हैदराबाद विश्वविद्यालय
University of Hyderabad

प्रतिष्ठित संस्थान
INSTITUTION OF EMINENCE
राष्ट्रीय अपेक्षाएँ, वैश्विक मानक
National Needs, Global Standards

PROSPECTUS 2020-21

Online Registration Fee

Category	Fee in INR
General	600
EWS	550
OBC	400
SC/ST/PWD	275

UNIVERSITY OF HYDERABAD

(A Central University established by an Act of Parliament)

Visitor
The President of India

Chief Rector
The Governor of Telangana

Chancellor
Justice L. Narasimha Reddy

Vice-Chancellor
Prof. Appa Rao Podile

Pro Vice-Chancellor- 1
Prof. Arun Agarwal

Pro Vice-Chancellor- 2
Prof. B. Raja Shekhar

University of Hyderabad
Prof. C. R. Rao Road,
P.O. Central University,
Gachibowli, Hyderabad 500 046,
Telangana, (India)

University's EPABX: 040-2313 0000

Our Motto

सा विद्या या विमुक्तये

forms part of a verse appearing in
Vishnu-Purana (1.19.41)

The whole verse reads as follows :

तत्कर्म यन्न बन्धाय
सा विद्या या विमुक्तये ।
आयासायापरं कर्म
विद्यान्या शिल्पनैपुणम् ।।

The verse also occurs in the anthology of subhasitas entitled "Sarangadharapaddhati" (No.4396). In this latter work, the source of the verse is given as Vasisthat. The verse obviously possesses an ethical-spiritual import and may be translated as follows:

"That is (right) action which does not conduce to bondage (Karmabandha in the Bhagavadgita sense); that is (true) knowledge which conduces to final liberation or spiritual emancipation; (any) other knowledge implies mere skill in craft

" बन्धन का कारण न हो, वही कर्म है और मोक्ष को सिद्ध करने वाली हो, वही विद्या है। इससे भिन्न कर्म व्यर्थ परिश्रम रूप और भिन्न विद्याएँ केवल कला–कौशल रूप ही हैं ।।"

WWW.UOHYD.AC.IN

Why University of Hyderabad?

Institution of Eminence

The Institution of Eminence status accorded by the Government of India to the University of Hyderabad in September 2019 is recognition of the university's standing, ability and potential to move into the league of the world's best institutions. With additional funding and autonomy, we are positioned to figure in the World's 500 Best Universities in the next few years.

Excellence in University System

The University was previously granted the status of University with Potential for Excellence (UPE) by the University Grants Commission (UGC). The University was sanctioned a grant of Rs.30 crore under UPE Phase-1 for Interfacial Studies & Research and Holistic Development for 5 years (2002-2007) and Rs.50 crore under the Phase-2 (2012-2016).

The Advanced Centre for Research in High Energy Materials (ACRHEM) on the University campus was supported by DRDO for Research on High Energy Materials to the tune of Rs.113 crore in the Phase-3.

Top Grades by various ranking agencies

The University underwent a rigorous evaluation by the National Assessment and Accreditation Council (NAAC) of the University Grants Commission. The Apex Council of NAAC awarded the top grade to the University. The University was re-accredited by NAAC, awarding us a Cumulative Grade Point Average (CGPA) of 3.72 on a 4.0 scale at 'A' grade for a period of 5 years up to 2019 in the third cycle.

The University has been ranked 4th among all universities in the country. The National Institute of Ranking Framework (NIRF) ranked it 11th over all for 2019.

The University has also been rated by the NISSAT (National Information System for Science and Technology) of the Department of Scientific and Industrial Research (DSIR), Government of India, as the only University under the '**High Output High Impact'** category among the top 50 institutions in India with publications in citation index journals.

DST support for augmenting research facilities

The Department of Science and Technology (DST) of the Government of India sanctioned over Rs. 11.96 crores under the FIST (Fund for Improvement of Science and Technology) to four Science Schools of the University to augment research facilities.

In addition to this, the DST has established a High-Performance Computing Facility, Centre for Nanotechnology, Centre for Modeling, Simulation and Design at the University of Hyderabad under the FIST Programme with the total financial support of Rs.24 crore.

Member of AIU and ACU

The University is a member of the Association of Indian Universities (AIU) and the Association of Commonwealth Universities (ACU).

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National Needs, Global Standards

ABOUT THE UNIVERSITY
&
ADMISSION NORMS

THE UNIVERSITY

The University of Hyderabad, a premier institution of postgraduate teaching and research in the country, was established by an Act of Parliament (Act No. 39 of 1974) on 2nd October 1974 as a Central University, wholly funded by the University Grants Commission, is a Unitary University situated at Gachibowli, Hyderabad. University doesn't have any Study Centres or branches or Campuses or Affiliated Colleges elsewhere.

The "objects of the University" as envisaged in the Act are: "to disseminate and advance knowledge by providing instructional and research facilities in such branches of learning as it may deem fit and by the example of its corporate life, and, in particular, to make special provisions for integrated courses in humanities and science in the educational programmes of the University and to take appropriate measures for promoting inter-disciplinary studies and research in the University."

The University's scenic and serene campus is spread over a vast stretch of land measuring about 2,000 acres, on the old Hyderabad-Bombay road. Amidst the picturesque environment of the campus, several buildings catering to the academic needs, support facilities and residential requirements of the campus community have been constructed over the years. The University also has a city campus 'The Golden Threshold,' the residence of the late Sarojini Naidu which was bequeathed to the University by her daughter, the late Padmaja Naidu.

Schools of Study

School of Mathematics and Statistics
School of Computer and Information Sciences
School of Physics
School of Chemistry
School of Life Sciences
School of Humanities
School of Social Sciences
School of Economics
Sarojini Naidu School of Arts and Communication
School of Management Studies
School of Medical Sciences
School of Engineering Sciences and Technology

The Schools of Mathematics and Statistics, Computer and Information Sciences, Chemistry, Economics, Management Studies, and Engineering Sciences & Technology are single discipline schools and the others are multi-department schools.

Departments / Centres of Study & Research

The School of Physics has the following Centres:
Centre for Advanced Studies in Electronics Science and Technology (CASEST)
Advanced Centre of Research in High Energy Materials (ACRHEM)
Centre for Earth, Ocean and Atmospheric Sciences (CEOAS)

The School of Life Sciences has the following Departments:
Department of Biochemistry
Department of Plant Sciences
Department of Animal Biology
Department of Biotechnology and Bioinformatics
Department of Systems and Computational Biology

The School of Medical Sciences has the following Centres:
Centre for Health Psychology
Centre for Neural and Cognitive Sciences

The School of Humanities has the following Departments and Centres:
Department of English
Department of Philosophy
Department of Hindi
Department of Telugu
Department of Urdu
Centre for Applied Linguistics & Translation Studies
Centre for Comparative Literature
Department of Sanskrit Studies
Centre for the Study of Foreign Languages
Centre for English Language Studies
Centre for Dalit and Adivasi Studies and Translation
Centre for Endangered Languages and Mother Tongue Studies
Centre for Buddhist Studies

The School of Social Sciences has the following Departments and Centres:
Department of History
Department of Political Science
Department of Sociology
Department of Anthropology
Department of Education and Education Technology
Centre for Regional Studies
Centre for Folk Culture Studies
Centre for the Study of Social Exclusion and Inclusive Policy
Centre for the Study of Indian Diaspora
Centre for Knowledge, Culture & Innovation Studies
Centre for Human Rights
Centre for Women's Studies
Centre for Ambedkar Studies

The S.N. School of Arts and Communication has the following Departments:
Department of Dance
Department of Theatre Arts
Department of Fine Arts
Department of Communication
Department of Music

College for Integrated Studies (CIS) also offers academic programmes.

All Schools of the University, Departments, and Centres are located on the main campus in Gachibowli. Several of the Schools and Departments of the University have obtained financial support from the University Grants Commission under the Special Assistance Programme and COSIST for excellence in teaching and research.

Over the years, the teaching and research programmes of the University have been firmly established. The students are selected through a nationwide entrance test. About a third of the students are Ph.D. scholars and about 40% are women. Till 21st Convocation held on 1st October, 2019, a total of 31,467 students of the University had been awarded various degrees, which consists of 3,303 Ph.Ds. 4,855 M.Phils., 2,594 M.Tech.'s and 20,715 Postgraduate Degrees and Diplomas. The Faculty of the University include: 189 Professors, 75 Associate Professors, and 149 Assistant Professors.

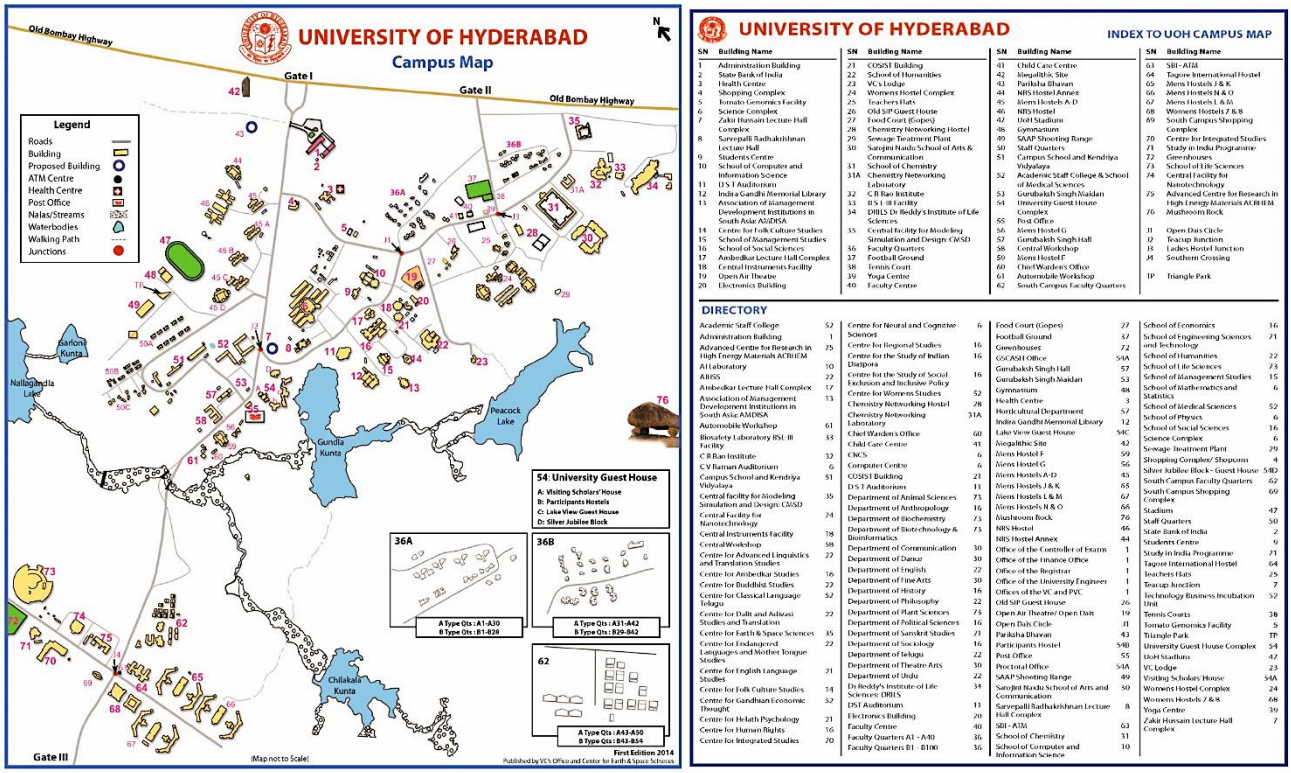
The Faculty of the University has been publishing widely and obtained research support from several funding agencies. Several faculty members have won national and international awards and honors in recognition of their outstanding work in their respective fields.

ABOUT HYDERABAD

Founded by Quli Qutub Shah in 1591, this large metropolis is unique in its rich architectural glory and blend of diverse linguistic, religious and ethnic groups and is an ideal place indeed to locate a Central University. The weather for most of the year is pleasant except for April and May when the temperature is likely to go up to 40°C. The intellectual climate is vibrant. Hyderabad is home to nine major Universities and several research institutions, laboratories, libraries, and IT companies.

UNIVERSITY OF HYDERABAD MAP

हैदराबाद विश्वविद्यालय ** హైదరాబాదు విశ్వవిద్యాలయము ** University of Hyderabad



PROGRAMMES, CRITERIA & ENTRANCE EXAMINATIONS

The medium of instruction for all the courses is English except the language courses for which the medium of instruction is the language concerned.

PROGRAMMES OF STUDY & DURATION

PROGRAMME	DURATION IN SEMESTERS
IMsc (5-year Integrated) IMSs Courses in Sciences Mathematical Sciences Physics Chemical Sciences Systems Biology Applied Geology Health Psychology	10
Master of Optometry (6-year Integrated)	12
IMA (5-year Integrated) **Humanities:** Hindi, Telugu, Language Sciences **Social Sciences:** Economics, History, Political Science, Sociology, Anthropology	10
Post-graduate **M.Sc:** Mathematics/ Applied Mathematics, Statistics-OR, Physics, Chemistry, Biochemistry, Biotechnology*, Plant Biology & Biotechnology, Molecular Microbiology, Animal Biology & Biotechnology, Ocean & Atmospheric Sciences, Health Psychology, Neural & Cognitive Sciences * Admissions for M.Sc Biotechnology will be through Combined Entrance Examinations for Biotechnology (CEEB), conducted by Department of Biotechnology, Govt. of India, New Delhi	4
MCA **NIMCET 2020 scores in order of merit, will be the only criteria for admission.**	4
MBA (Business Analytics)	4
MBA (Health Care & Hospital Management)	4
MBA* Admission to MBA for 2020-21 have been completed based on the scores of the applicants in CAT 2019 followed by GD/Interview	4
Executive MBA	4
MA English, Philosophy, Hindi, Telugu, Urdu, Applied Linguistics, Comparative Literature, English Language Studies, History, Political Science, Anthropology, Communication (Media Practice) and Communication (Media Studies) **M.Ed.**	4
MPA (Dance)	4
MPA (Theatre Arts)	6
MFA Painting, Print Making & Sculpture Art History & Visual Studies	4

Master of Public Health (MPH)	4
M.Tech Computer Science, Artificial Intelligence, Information Technology[@], Information Security, Bioinformatics[^#] Materials Engineering[#], Nanoscience & Technology[#], Manufacturing Science & Engineering[#] @: Offered in collaboration with IDRBT, an RBI institute ^: Offered in collaboration with Centre for DNA Fingerprinting & Diagnostics (CDFD), Hyderabad #: Admission for these courses is through CCMT	4
M.Tech Integrated Circuit Technology Admission through GATE score	
M.Tech Microelectronics & VLSI Design Admission through University Entrance Examination	
Integrated M.Tech (Computer Science) (5-yr Integrated) Admission through CSAB of JEE	10
M.Phil English, Philosophy, Hindi, Telugu, Urdu, Applied Linguistics, Translation Studies, Comparative Literature, History, Political Science, Sociology, Anthropology, Social Exclusion & Inclusive Policy, Economics	2
Ph.D Mathematics, Applied Mathematics, Statistics/ Operations Research (OR), Computer Science, Physics, Electronics Science & Engineering, Earth, Ocean and Atmospheric Sciences, Chemistry, Biochemistry, Plant Sciences, Microbiology, Animal Biology, Biotechnology, Systems & Computational Biology, English, Philosophy, Hindi, Telugu, Urdu, Applied Linguistics, Translation Studies, Comparative Literature, Sanskrit Studies, History, Political Science, Sociology, Anthoropology, Education, Regional Studies, Folk Culture Studies, Social Exclusion & Inclusive Policy, Economics, Dance, Theatre Arts, Communication, Management Studies, Health Sciences, Psychology, Materials Engineering Nanoscience & Technology	12
Integrated MSc/Ph.D Biochemistry & Molecular Biology, Animal Biology & Biotechnology, Biotechnology	4-16

NOTE

The University reserves the right to cancel/not to offer any of the programmes mentioned above. The University also reserves the right to increase or decrease the intake of any course due to administrative reasons.

The assigning of supervisors for candidates seeking admission to any of the Ph.D. programmes will be determined by the specific Department/Centre/School in adherence to the limits on numbers as prescribed by the UGC regulations 2016.

CRITERIA FOR ADMISSION

The University offers excellent facilities for Postgraduate, 5-Year Integrated Master's Degree Courses, and Research Studies in several major areas in the Sciences, (including Medical Sciences, Engineering Sciences & Technology), Humanities, Social Sciences, Performing Arts, Fine Arts, Communication, and Management Studies.

Admission to the University is open to all who fulfill the prescribed qualifications without any distinction of race, creed, language or gender. The selection is on the basis of the entrance examination. The candidate should produce all original certificates at the time of admission.

Any student to be eligible for admission to the Postgraduate Degree Courses must have completed a three-year Undergraduate Degree, through an examination conducted by a University/ Autonomous College. However, as a transitory measure, a candidate who has passed a two-year degree course may also be considered for admission, provided she/he has undergone a further one-year bridge course and passed the same.

The minimum eligibility requirements for admission to the above courses are given in a tabular form at the end of this chapter.

The eligibility of candidates passing their qualifying examinations from Universities following the letter grading system / CGPA will be determined based on percentage equivalent to the letter grade/CGPA obtained by the candidates according to the conversion formula adopted by the University concerned. **In the absence of any such formula, the decision of the University shall be final and binding on the candidates.**

Candidates who may be appearing for the qualifying degree examination and expecting their results and certificates before 31.7.2020 are welcome to apply for admission.

Candidates who have completed or will be completing all the formalities, viz., written the theory examinations, completed practical examinations, submitted Project reports, completed viva-voce exams, etc. before 31.7.2020 and are awaiting the results of the qualifying degree examination and those who are due to appear in the qualifying degree examination in the above-stated aspects and expecting their results to be declared and are getting their certificates before 31.7.2020 are allowed to appear for the entrance test.

CONDITION

The condition is that, in case of their selection to a course in the University, they should submit the certificates of the qualifying degree examination and other earlier examinations positively at the time of completion of the admission. However, the University may give an extension of time up to 31.8.2020 to submit the certificates of the qualifying degree examination. Such candidates will be given conditional admission up to 31.8.2020 only. However, this facility shall not be extended to those who are taking regular or supplementary or improvement examinations of the qualifying degree after 31.07.2020 and waiting for the results. In the event of the concerned students failing to (i) submit their certificates of the qualifying Degree examination by 31.8.2020, and (ii) not passing the qualifying degree examinations with the prescribed percentage of marks, they will not be allowed to attend classes any further and their Provisional admission stands cancelled

forthwith. No request will be entertained for extension of time to submit the certificates under any circumstances beyond 31.8.2020.

In case of non-submission of mandatory academic certificates and Transfer Certificate/ Migration Certificate up to 31.8.2020, the Provisional admission of such candidates stands cancelled forthwith.

In the case of candidates admitted into Ph.D. programmes under the result awaited category, those who have completed all the formalities including the viva voce of their M.Phil./M.Tech. Courses before the date of their admission or 31.8.2020 whichever is earlier and are awaiting their results may be allowed to submit their M.Phil or M.Tech results and certificates within a maximum period of one year from the date of their admission. During this period, they will not be paid any scholarship or fellowship. Once they submit the certificates, proving their eligibility for admission into the Ph.D., their scholarship/fellowship will be paid with retrospective effect from the date of their admission. If they fail to submit the results and the certificates within one year, their admission shall stand cancelled forthwith.

All courses at the Master's Degree level, 5-Year Integrated Master's Degree, M.Phil, M.Tech, 5-year Integrated M.Tech in Computer Science, and Integrated M.Sc./Ph.D. are full-time regular courses. For Ph.D. programmes, the candidates are encouraged to join as regular students. However, for those who are not in a position to research on a full time basis, a limited provision exists for part-time research. The facility is also available for external registration to Ph.D. regularly at the recognized Centres of the University. The details are given in the subsequent paragraphs of this chapter.

Students admitted to the regular courses are not allowed to pursue any other course except part-time evening Certificate/Diploma Course of a Professional nature with the prior permission of the School /Department/Centre concerned of the University. They are also not allowed to take up any employment during the period of their studies in the University. Those employed, if selected for admission, are required to submit at the time of completion of their admission, a "No Objection Certificate" besides orders from the competent authorities sanctioning leave covering the entire duration of the course, failing which, the provisional selection for admission for such candidates will be cancelled.

RESERVATION OF SEATS

Following the policy of the Government of India and the guidelines of the University Grants Commission, the University has reserved 15% of seats in each course for candidates belonging to the Scheduled Castes and 7.5% for those belonging to the Scheduled Tribes, with a provision for interchangeability between these categories, wherever necessary. **Candidates should submit a copy of the certificate of their caste/ tribe from a Revenue Officer not below the rank of Tahsildar / Mandal Revenue Officer at the time of the interview, admission/counselling.** Remedial courses in English and other subjects are conducted for such students depending upon the actual need.

For admission to all Postgraduate Courses, viz., M.A., M.Sc., M.C.A., M.F.A., M.P.A., M.B.A. Courses and 5-Year Integrated Master's Degree Courses, the minimum eligibility condition for SC/ST/PH candidates is **5% less** than the percentage for General/EWS & OBC category, however in order to ensure filling up of all seats for SC and ST, subject to availability of candidates the minimum requirement is "Pass" in the qualifying examination.

Reservation of seats for OBC candidates

Following the policy of the Govt. of India and the guidelines of the University Grants Commission, 27% of the seats are reserved for OBC (non-creamy layer category) candidates. For admission to M.Phil. and Ph.D., a relaxation of **only 5% marks in the minimum eligibility condition** is provided to **SC/ST/OBC and PH candidates as per the UGC Regulations, 2016**. Candidates claiming reservation under this category must enclose an attested copy of the **OBC (non-creamy layer)** certificate issued by a competent authority in the format **prescribed by GOI** without which their application will not be considered under OBC category.

Reservation of seats for Economically Weaker Sections (EWS) candidates

Following the policy of the Govt. of India and the guidelines of the University Grants Commission, **10% of the seats** are reserved for EWS candidates. Candidates claiming reservation under this category must enclose an attested copy of the certificate issued by a competent authority in the format prescribed by GOI without which their application will not be considered under the EWS category.

The University has decided to extend the reservation of EWS from the academic year 2019-20. The University has also increased the intake of seats in the PG and 5-Year Integrated PG courses of 2018-19 by 10% and extending reservation to EWS by 5% in all courses and proposed to increase intake of PG and 5-Year Integrated PG courses of 2018-19 by 25% and extending reservation to EWS by 10% from the academic year 2020-21.

Note: Every candidate who claims to belong to SC or ST or OBC (non-creamy layer) or EWS has to produce a certificate to the University **before her/his admission as sufficient proof in support of the claim, to make her/him eligible for various relaxations and concessions granted to such candidates.**

The certificate should **strictly be in prescribed format issued by one of the competent authorities empowered for the purpose. No other certificate will be accepted as sufficient proof of the claim belonging to any reserved category for availing the benefits of reservations.**

The admission granted to all such reserved candidates is provisional and subject to the certificates being verified through proper channels as per rules and if the verification reveals that the claim of a candidate who belongs to SC/ST/OBC/EWS as the case may be, is false the admission will be cancelled forthwith without assigning any further reasons without prejudice to such further action as may be taken under the provisions of the Indian Penal Code for production of false certificates.

Candidates producing SC/ST certificates issued by the competent authority of the respective State Governments should also produce a certificate of valid duration at the time of admission. The OBC (non-creamy layer) certificate should be issued in the GOI format by the competent authority on or after 1.4.2017. It may please be noted that state BC/OBC certificates will not be accepted as a claim for reservation under OBC.

If it is brought to the notice of the University at any stage i.e. while pursuing a course or after the degree is awarded that the candidate got admission based on false certificate and is proved, then University reserves the right to cancel the admission/degree awarded as the case may be and also take action as per the provisions of the Indian Penal Code for production of a false certificate. The university also reserves the right to send any or all caste certificates for verification as per the Government of India rules.

Reservation of seats for the Persons With Disability (PWD) (Persons with Disability) candidates

5% of seats on approved intake in each for all 5-Year Integrated PG and PG courses are provided as supernumerary seats. But in M.Tech, M.Phil. and Ph.D. courses PH seats are not supernumerary seats but it is within the intake notified in the Prospectus.

The minimum degree of disability for being eligible to apply under this category is **40%**, provided that their physical disability does not come in the way of pursuing the course. This includes Visually Challenged (VH), Hearing Impaired (HI), Orthopedically Handicapped (OH) and Other (OT) candidates etc with a provision of interchangeability. The candidates under this category should take the entrance examination for admission. Persons with Disability candidates are required to submit a certificate from a Medical Board/Civil Surgeon of a Govt. Hospital indicating the extent of visual/physical disability and also the extent to which the disability hampers the candidate in pursuing her/his studies. The candidates under this category are exempted from the payment of tuition and other fees to the University.

The candidates under this category may have to undergo a fresh medical examination, if so prescribed by the University, before being admitted.

Visually challenged candidates appearing for the entrance examinations will be given a compassionate time of 20 minutes per hour. The University will provide scribes for such candidates if requested for it.

Reservation of seats to the wards/dependents of Defence Personnel (DP)

Up to 5% of seats on the approved intake in each for all 5-Year Integrated PG and PG courses are provided as supernumerary seats for the wards of Defence Personnel (serving or retired) i.e the forces coming under Ministry of Defence. (Army, Airforce, Navy and Coast guard). The candidates should enclose a copy of the certificate issued by a competent authority in support of their claim without which their claim will not be considered. The candidates under this category should take the entrance examination for admission and also fulfill all other requirements of admission as mentioned in the Prospectus. Wards of Paramilitary personnel working under the Ministry of Home etc are not eligible under this category.

Note

Seats are not reserved for DP category candidates in the M.Tech./ 5 Year Integrated M.Tech. programmes as per the norms of CCMT and CSAB of JEE. Besides, the seats are not reserved in M.Phil., Ph.D., and Int. M.Sc. Ph.D. programmes as there will be no supernumerary seats in these programmes as per UGC Regulations 2016.

Reservation of seats for Kashmiri Migrants

Interested Kashmiri Migrant candidates will be required to apply online for Integrated and PG courses only between 03.04.2020 to 03.05.2020 and pay the prescribed fee through online link only (http://.acad.uohyd.ac.in). The Hard copy of online application along with the certificate of being Kashmiri Migrant be forwarded to Section Officer (Acad), University of Hyderabad, P.O. Central University, Gachibowli, Hyderabad –500046 latest by 20.5.2020.

Note

1) No other mode of submission of application will be accepted or entertained except the procedure as laid down above.
2) If Kashmiri migrant candidates wish to appear for the Entrance Examination then they should apply separately.

Reservation of seats for candidates coming from Jammu & Kashmir under special scholarship scheme

As proposed by the UGC, two supernumerary seats have been created for admitting the students coming from the state of Jammu & Kashmir under MHRDs special scholarship scheme. As per the AICTE guidelines, this is only for those candidates who have passed 10+2 exam from the state of Jammu & Kashmir and would like to join undergraduate programmes in general degree, Medical, Architecture, Pharmacy, Law, Nursing, Agriculture, Fisheries, Horticulture, Veterinary science, etc. The candidates need to apply through the dedicated website of AICTE for joining any of the above courses in the universities/colleges allotted to them through AICTE counselling. The details of the guidelines of the special scholarship scheme for J&K may be seen at http://aicte-jk-scholarship.in

The University reserves the right to verify the caste certificate used for the claim of a seat in reserved category i.e. SC/ST/OBC/EWS/PH/DP/Kashmiri Migrant at any point of time or any stage including after awarding of the degree. If the certificate is found to be false/fake/incorrect, the admission or degree will be cancelled.

ADMISSION OF FOREIGN NATIONALS

Definition:

For admission to the UoH, the term "Foreign National" implies any candidate holding a passport of a foreign country. This category would include any Person of Indian Origin (PIO) or, Overseas Citizen of India (OCI) cardholder who has a foreign country's passport.

Number of seats:

As per UGC guidelines, Foreign Nationals will be admitted over and above the approved intake in a course up to a maximum of 15% of the approved intake in the eligible courses, depending upon the availability of adequate infrastructure. All the available seats may not be filled in a particular year if a subject's Admission Committee does not recommend anyone or if a program has inadequate infrastructure. Foreign nationals seeking admission through ICCR or other governmental agencies may apply to the University in the prescribed form through the respective bodies.

The University may consider the admission of foreign nationals, "in absentia", based on their desire "to be considered in absentia". Their admission under the 15% bracket for International students, to any programme is subject to the condition that they are found suitable for admission by the Admissions Committee of the Centre/Department/School.

Academic qualification:

A prospective Foreign National has to fulfill the eligibility conditions, including the required qualifying degree and marks/grades, as prescribed for Indian students. These conditions can be found in the prospectus which is available on the University website (www.uohyd.ac.in or http://acad.uohyd.ac.in). In case a student's parent University does not have a program that is prescribed as minimum eligibility condition, the equivalent program may be considered. In this respect the Admission Committee's decision is final.

NRI's with Indian Passport are Indian Nationals and therefore, cannot be considered as International Students.

Foreign Nationals whose qualifying degree is from India and who are resident in India at the time of application, to be considered for admission into any program/course should take some part of the entrance examination in the form of Interviews in the University as prescribed by the Centre/Department/School. See additional requirements for School of Computer and Information Sciences, Department of Bioinformatics and Biotechnology, check weblink:
http://moodle.uohyd.ac.in/index.php/component/contentofEnglish0-admissions/internationa-students/339

English proficiency:

Proof of English Proficiency is necessary only for those candidates whose education at the qualifying examination level was not in the English medium. Those who did not study in the English medium may provide one of the following scores TOEFL/IELTS score. The validity of the test should be two years from the date of the examination.

i. International English Language Testing System (IELTS)-Academic version-minimum score of 6.5 is required.

ii. Test of English as Foreign Language (TOEFL)
Paper-based TOEFL: a minimum score of 560 is required
Computer-based TOEFL: a minimum score of 220 is required

Internet-based TOEFL: a minimum score of 80 is required.

Admission committee can decide on the requirement of TOEFL/IELTS.
Printout of online application form available at http://acad.uohyd.ac.in/ should be accompanied by copies of relevant certificates, marks sheets together with the English version of such copies duly attested, if they are in a different language. All foreign nationals seeking admission to the University will be required to pay the fees of Rs 600/- and produce a medical certificate of fitness from a recognized hospital in their country. Those offered admissions may also be required to undergo a comprehensive medical examination as prescribed by the University. The University has hostel accommodation separately for girls and boys on campus.

Deadline for receiving applications

Foreign Nationals may apply for admission at **any time during the year**. However, the deadline for being considered for any academic year (which generally begins in mid-July) is to apply online and send the scanned copy of the application **by email or post the latest by May 10 of that year**.

The decision of the Admissions Committee will be notified to the selected candidates tentatively by 31st May and will be displayed on the notice board of Office of International Affairs. For all other details of application form and admission, please visit : http://acad.uohyd.ac.in/downloads/FN_APPLICATION.PDF

All completed application forms with relevant documents and enclosures should be sent by e-mail to acadinfo@uohyd.ernet.in or ar_acad@uohyd.ernet.in with a cc to internationaluoh@gmail.com or by post to the Section officer (Academic Section), Office of Controller of Examinations, University of Hyderabad, P.O. Central University, Gachibowli, Hyderabad – 500 046, Telangana.

ANSWERING THE QUESTION PAPER IN ENTRANCE EXAMINATIONS

The question paper **should be answered only in English except in the case of admission to language courses for which the question paper should be answered in the language concerned.**

The performance of the candidates in the test consisting of Objective or Multiple Choice Questions will be evaluated using the OMR technology as listed below. The candidates will be required to mark the answers in the OMR Sheet with a blue or black ball-point or sketch pen during the test. Necessary instructions will be given in the relevant question papers.

The question paper for the following subjects shall be answered on OMR sheet:

I.M.Sc. and I.M.A. (5-year Integrated) in different disciplines; M.Sc. - Mathematics/Applied Mathematics, Statistics-OR, Physics, Chemistry, Biochemistry, Plant Biology & Biotechnology, Molecular Microbiology, Animal Biology & Biotechnology, Ocean and Atmospheric Sciences, Health Psychology; Master of Public Health (MPH); M.A. - English, Philosophy, Hindi, Telugu, Applied Linguistics, Comparative Literature, Sanskrit Studies, History, Political Science, Sociology, Anthropology, Gender Studies, Economics, Communication, MPA Theatre Arts, MFA Painting, Print Making, Sculpture, Art History, and Visual Studies, MBA Health Care and Hospital Management, MBA Business Analytics, Executive MBA, M.Phil. Hindi, Telugu, Applied Linguistics, Translation Studies, Political Science, Economics, Anthropology, Ph.D. in Mathematics/Applied Mathematics, Statistics, Computer Science, Physics, Electronics Science & Engineering, Earth, Ocean, and Atmospheric Science, Chemistry, Biochemistry, Plant Sciences, Microbiology, Animal

Biology, Biotechnology, Hindi, Telugu, Applied Linguistics, Translation Studies, Political Science, Anthropology, Economics, Management Studies, Materials Engineering, Nanoscience and Technology and Integrated M.Sc./Ph.D. Biochemistry and Molecular Biology, Animal Biology & Biotechnology and Biotechnology.
The question paper of some more subjects viz., M.Phil. English, Philosophy, Urdu, Sociology, Anthropology, Regional Studies, Ph.D. in English, Philosophy, Urdu, Sociology, Anthropology, Regional Studies, Sanskrit Studies need to be answered partly in OMR sheet and partly in a separate answer book as per the instructions provided in the question paper.

There is a possibility for some more subjects to be added in the above list. Therefore, the instructions on the question paper concerned shall be final. The duration of the written test for all courses will be for two hours. Late coming is allowed up to 15 minutes from the commencement of Exam and candidates will be allowed to leave the examination hall after completion of the exam only.

Applying to more than one programme

A candidate is free to apply for admission to as many courses as she/he wishes **after ensuring from the schedule for the Entrance Examination that there is no clash in the subjects of his/her choice.** The University has made the best possible efforts to avoid overlap in the schedule of examinations of related subjects to the extent possible. The candidates are advised to study the examination schedule carefully before deciding on their choice of subjects.

VERY IMPORTANT

Please read the following carefully:
The question paper for the entrance test for all courses shall consist of two parts - Part-'A' and Part- 'B'.

All candidates applying for M.Phil. and Ph.D. courses may refer to UGC Regulations 2016 for details at http://www.ugc.ac.in/pdfnews/3375714_API-4th-Amendment-Regulations-2016.pdf

For M.Phil. and Ph.D. courses - please see the Chapter on 'Schools of Study' for further details. The Question paper of M.Phil. and Ph.D. courses shall consist of 70 marks in two sections, as per the UGC Regulations 2016.

Part A- 35 marks, will be on Research Methodology
Research Methodology: "The process used to collect information and data to make decisions. The methodology may include publication research, interviews, surveys, and other research techniques, and could include both present and historical information". Questions may also include those on Quantitative methods, Data interpretation, Aptitude, and Logical Reasoning.

Part B: 35 marks, will be on the subject concerned.
Negative marking in the whole Question paper or for any Part shall be the choice of the School/Department/Centre.

The Entrance Exam marks shall be used for shortlisting candidates to be called for interview. The Interview will be conducted for 30 marks.

The basis of final shortlisting of candidates for admission will be on the merit of marks obtained in written test and Interview put together.

The Admission Committees of various Schools will determine the due weightage to the following components like:

- Research Proposal and its defense
- Academic Record/Performance in PG/Gold Medal/Performance in the Written Test
- Having fellowship/M.Phil./NET/SET
- Publications
- Research Experience, etc.

The details of the exact breakup for each subject are available at the end of the Prospectus.

IN CASE OF A TIE

The following criteria shall be followed, in sequence to resolve ties, where candidates secure the same marks in the written test:

First criterion: Marks obtained in Part - A of the written test.

Second criterion: Marks obtained by the candidates in the qualifying degree/other examination. If the final result is not available, then the marks up to the 2nd year will be taken into account.

Third criterion: Marks obtained in the degree examination immediately preceding the qualifying degree examination.

Fourth criterion: Marks obtained in the next lower public examination.

Interviews for candidates short-listed for admission to M.Phil, Ph.D. based on the written test will be held **from 9th July to 14th July 2020.**

Interviews for candidates shortlisted for admission to the courses offered by the S.N. School, M.Sc. Ocean and Atmospheric Sciences, MBA Health Care and Hospital Management, MBA Business Analytics, Executive MBA, M.Tech. Microelectronics & VLSI Design and Int.M.Sc./Ph.D courses to be **held between 3rd – 5th July 2020** in the respective Schools/ Departments/ Centres. However, the exact dates of the interview/practical test will be notified and made available on the University website for the information of the shortlisted candidates.

QUALIFYING MARKS FOR M.PHIL, PHD & INT. MSC/PHD

For M.Phil./Int. MSc/PhD./ Ph.D. According to the regulations, the qualifying marks in the Entrance Exam will be 50% for General category/ EWS and 45% for SC/ST/OBC/PWD category. The syllabus of the Entrance Test shall consist of 50% of research methodology and 50% shall be subject-specific. The merit list for admission will be prepared based on the performance in the written test and interview put together.

No cut off marks

The University has decided not to have any cut-off marks in the entrance examination i.e., in the written test or interview or written test plus interview put together for admission to any Postgraduate course for any category during the year 2020-21.

Wherever the admission is based on written test and interview, the candidates to be called for interview in ratio as recommended by the Admission Committee, of the approved intake for the Postgraduate courses. In M.Phil and Ph.D. courses, the Admission Committee may recommend candidates based on their performance in the interview and aptitude towards research.

Previous Question Papers

All previous years question papers are available at the link given below:

http://igmlnet.uohyd.ac.in:8000//question-papers.html

SCHEDULE FOR NOTIFICATION OF THE ENTRANCE EXAMINATION RESULTS ETC. AND MAKING THEM AVAILABLE ON THE UNIVERSITY WEBSITE

Programmes	**Tentative dates of Results announcements**		
	Notification of shortlisted candidates for interviews/ practical tests	Notification of shortlisted candidates for Admission counselling	Notification of list of selected candidates s (Main & waiting lists)/Admission counselling
All PG Degree Courses s and 5-Year Integrated M.A./M.Sc. courses	---	---	8.7.2020
All M.Phil, Ph.D., courses	2.7.2020	---	25.7.2020
M.Sc. Ocean & Atmospheric Sciences, P.G. courses of S.N. School, MBA in Health Care and Hospital Management, MBA Business Analytics, Executive MBA, M.Tech. Microelectronics & VLSI Design, and Int. M.Sc./Ph.D. programmes	26.6.2020		8.7.2020
These are tentative dates, the exact dates shall be notified on our website.			

IMPORTANT

(i) The Entrance results will be made available only on the website: http://acad.uohyd.ac.in;
(ii) No request for extension of time for interview/practical test or completion of admission will be entertained on account of any reason/s whatsoever.

The University will not communicate any of the above information to the candidates concerned by post. Therefore, it is the responsibility of the candidates to obtain the information on their selection by visiting the University website.

COMMENCEMENT OF CLASSES (Tentative)

All PG courses/5-year Integrated/M.Tech. /Int.M.Sc.-Ph.D. courses **13.7.2020**
All M.Phil. & Ph.D. programmes **12-8-2020**

1) Wherever the interview is an essential component of the entrance examination for admission, though a candidate may have secured more in the written test, than the marks secured by the last candidate under the selected list, if that candidate has not appeared for the interview she shall not be entitled to admission.

2) **Part-time registration to Ph.D.:** Facility exists to 1/8th of the total strength for all Schools/ Departments/Centres except the School of Computer Information Sciences (SCIS) and School of Engineering Sciences and Technology (SEST) which can have up to 25% for part-time registration for Ph.D. Programmes. Persons engaged in teaching and research in reputed institutions are eligible for admission under this category, provided they fulfill the minimum eligibility

requirements and are found successful in the entrance examination as prescribed. This facility is limited to those working in the twin cities (Hyderabad and Secunderabad) in respect of Science Schools (except Mathematics and Statistics) and anywhere in Telangana and Andhra Pradesh for the remaining Schools. However, the conversion of part-time Ph.D. to full-time Ph.D. is not permissible.

3) **External Registration to Ph.D.:** The University also provides facilities for admission to the Ph.D. under the External Registration category. The external candidate shall work at the recognized institution. The admission procedure is the same as in the case of regular admissions to Ph.D. Candidates will be under joint supervision viz., one from the University and the other from the recognized institution.

In the case of External Registration to Ph.D. in Computer Science, the candidates who are working in the following Institutes given below in the twin cities alone are allowed to register under this category. Candidates who register under external registration should have a recognized co-guide/ Co-supervisor (recognized by the University) from the parent organization (listed below), and also a guide/ Supervisor from the School/ Department.

S.No.	Name of the Institution	Subject/s of Research
1	National Remote Sensing Centre	Physics, and Earth Ocean and Atmospheric Sciences
2	National Geophysical Research Institute (NGRI)	
3	Defence Metallurgical Research Laboratory	Physics, Engineering Sciences & Technology
4	National Institute of Rural Development (NIRD)	Economics and Anthropology
5	Centre for Economic and Social Studies	
6	National Institute of Small Industry Extension Training	Economics
7	Institute of Public Enterprise	
8	Advanced-Data Processing Research Institute	Computer Science
9	Advanced Numerical Research and Analysis Group (ANURAG)	
10	Research Centre Imarat (RCI)	
11	Institute for Development and Research in Banking Technology (IDRBT)	
12	ICAR - Indian Institute of Rice Research	Life Sciences
13	ICAR - Indian Institute of Oil Seeds Research	

14	International Crops Research Institute for Semi-Arid Tropics (ICRISAT)	
15	Centre for DNA Fingerprinting and Diagnostics (CDFD)	
16	Institute of Life Sciences (ILS)	
17	Bharat Biotech Foundation	
18	L V Prasad Eye Institute	Biochemistry, Animal Science and Medical Sciences
19	Shantha Biotechnics	Animal Sciences
20	Indian Immunologicals Ltd.	
21	National Institute of Nutrition (NIN)	Biochemistry
22	National Institute of Animal Biotechnology	Animal Sciences, Biochemistry, Biotechnology and Bioinformatics
23	International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI)	Engineering Sciences & Technology
24	Non-ferrous Materials Technology Development Centre (NFTDC)	
25	Asian Health Care Foundation	Medical Sciences
26	Indian National Centre for Ocean Information Sciences (INCOIS)	Earth Ocean and Atmospheric Sciences
27	Prof. C.R. Rao Advanced Institute of Mathematics, Statistics and Computer Science	Computer Science, Mathematics & Statistics, Biotechnology, and Bioinformatics
28	M/s Zen Technologies Pvt Ltd	Computer Science

Ph.D. admissions for January 2021 Session:

Release of admission announcement	7.10.2020
Commencement of online submission	8.10.2020
Last date for submitting online application	30.10.2020
Downloading of Hall tickets for written test	7.11.2020
Entrance Examinations (written test)	14.11.2020
Sorting and handing over of the descriptive answer books to the Schools/ Departments/Centres	16.11.2020
OMR Evaluation	13.11.2020
Submission of written test (descriptive) results to CE's office	18.11.2020
Notification of list of selected candidates for interview	23.11.2020
Interviews for the Ph.D. programmes	1.12.2020 2.12.2020
Submission of the final results for the above courses	5.12.2020
Notification of the list of selected/Waitlisted candidates available on the website	11.12.2020
Admissions for Ph.D. programmes	4.1.2020 & 5.1.2020
Commencement of classes	4.1.2020

After completion of the regular admissions in June/July 2020, vacant seats if any, in the Ph.D. programmes may be filled, for which the candidates have to apply in the prescribed application form. The written test will be conducted at Hyderabad centre only. Based on the written test performance, candidates will be shortlisted for Interview. Selections for admission will be made based on the performance of the candidates in the written test and interview.
For the courses of School of Life Sciences, the admission for January-2021 session with be based on fellowships only and there will not be any Entrance Exam.

Schedule for Ph.D. January 2021 session

The University will not issue any press notification in this regard. However, information indicating the likely number of seats to be filled in each School/Department/Centre, will be available at the University's website: www.uohyd.ac.in and http://acad.uohyd.ac.in/

Note

Candidates for admission to Ph.D. during the above session should possess the certificates of their qualifying degree examination **by the date of their interview**. **Selected candidates must submit all their qualifying degree certificates, TC/MC and other certificates required at the time of admission. Extension of time will not be granted for submission of any of the certificates during this session and the provisional selection for admission will automatically stand cancelled in the case of those who are unable to submit the certificates required for admission on the date of completion of the admission formalities.**

Semester-wise Registration System

To maintain an effective enrolment of students and their progress in their studies/research, the University has introduced a system of student registration at the beginning of each semester for all the courses offered on regular basis including part-time/external registration for Ph.D. A schedule for semester-wise registration is given in the Academic Calendar in the Prospectus. However, a schedule for semester wise registration will be notified by the Academic Section from time to time. Students of all the courses (P.G./ I.M.A./I.M.Sc. (5-Year Integrated) / M.Phil./

M.Tech./ Ph.D./Integrated M.Sc./Ph.D.) are required to clear their dues of the earlier semester/s in all respects to be eligible for the registration to the following semester.

Every Ph.D. student (regular/part-time/external) should enclose a copy of the report of the doctoral committee of the previous semester to the requisition form of the semester registration, without which ongoing semester registration will not be done.

Implementation of Credit System for all the courses

The credit system has been implemented for all the courses/programmes offered by the University. The guidelines for the evaluation of students under this system are available in Chapter 6 of this brochure.

General Instructions for applying to the Entrance Examination:

Age limit for 5-Year Integrated Courses: Candidates within Four (4) years from the date of completion of +2 (Intermediate/Higher Secondary/etc.) will be eligible.

Read instructions carefully

Before filling the Online Application Form, candidates are advised to read the instructions carefully and complete the form accordingly, particularly about their performance in the qualifying degree or earlier examinations. This is necessary since the performance of the candidates in the qualifying degree and earlier examinations shall be used in determining relative positions in the merit list for those candidates who secure the same marks in the written test (tie cases). The entrance examination fees once paid will not be refunded.

If a candidate applies in a particular category, she/he will be considered only for that category. For example, if a candidate applies under OBC/EWS/PH/DP and pays the fees accordingly (ie. less than the General Category) and could not produce the certificate then he/she will not be considered as General Candidate, as he has not paid the required application fees.

The tentative last date for submitting the online applications for admissions for the July session is May 3rd, 2020. For further details, please refer to the "Instructions to the Candidates for filling the application form".

All disputes are subject to Hyderabad jurisdiction.

While giving information under the RTI Act 2005, the personal information like mobile no., address of the applicant will not be disclosed.

Hall Tickets for the Entrance Examinations:

- The Hall Tickets will be made available for download on the **University website by 27th May 2020.**
- **The university will not send the hall tickets by post.**
- The candidates are required to download the hall tickets and appear for the examination at the Centre allotted. Candidates will not be permitted to write the entrance exam at any other Centre except the Centre mentioned in the hall tickets downloaded.

IMPORTANT

It may be noted that all those who apply may be issued Hall Tickets without verifying whether or not they fulfill the eligibility criterion for admission to a course. This will be examined at the time

when final admission is granted. The candidates are therefore advised to go through the Prospectus-cum-application 2020-21 carefully and judge their eligibility before submitting their application forms. Despite this caution, in case the candidates do not meet the minimum eligibility criteria and still apply for the entrance examination, they will do so at their own risk and cost. **Mere issue of Hall Ticket and allowing a candidate for entrance examination including interview/practical test and allowing a candidate to complete the provisional admission will not entitle a candidate for any claim on the provisional admission if she/he does not fulfill the required eligibility conditions for admission as prescribed in the Prospectus-cum-application form 2020-21 which will be verified at the time of admission. At any stage (during the pursuance of the course/programme if it is found that any candidate does not fulfill the minimum eligibility requirements or had submitted a fake educational or caste certificate, the provisional admission that was granted, shall be cancelled forthwith.**

Bringing in political pressure/ influence in any manner at any stage i.e. entrance examination, admission or while pursuing the course will lead to cancellation of admission.

Use of cell/mobile phones in the Examination Hall is strictly prohibited.

Candidates will be required to produce the Hall Ticket at the time of the entrance examination/ interview/ practical test and completion of admission, if granted.

LIST OF ENTRANCE EXAMINATION CENTRES

CENTRE
Ahmedabad
Aizawl
Anantapuramu
Bengaluru
Bhopal
Bhubaneswar
Kozhikode
Chennai
Coimbatore
New Delhi
Dimapur
Guwahati
Hyderabad
Imphal
Jaipur
Jammu
Kadapa
Karimnagar
Kochi
Kolkata
Lucknow
Mahabubnagar
Mumbai
Nagpur
Nalgonda
Nizamabad

Patna
Pune
Raipur
Ranchi
Shillong
Srinagar
Tirupati
Vijayawada
Varanasi
Visakhapatnam
Vizianagaram
Warangal

IMPORTANT

1. The University reserves the right to cancel any of the above centres and allot another nearby centre to the applicants of the Centre cancelled.
2. University reserves the right to not operate a centre if the number of applications received is less than 300 or for any administrative reasons. **The candidates are therefore advised to give 3 choices of Centres in the online application form.**
3. If any of the examination/s could not be held in any of the session/s due to sudden declaration of bandhs, hartals, etc. at any of the above centres, the University shall not be held responsible for the same and fresh examination /s at such centres for the year will not be held again under any circumstances.
4. The venue of the Examination Centre will be mentioned in the hall ticket.
5. Based on the number of candidates, the venues at the centres may be increased.

FEE STRUCTURE FOR THE ACADEMIC YEAR 2020-21 (IN INR)

(1) Course	(5) Students Welfare fund (Per Annum)
(2) Other Fee (Per Sem)	(6) Medical Insurance Fee (Per Annum) *
(3) Tuition Fee (Per Sem)	(7) Security Deposits (Refundable)
(4) Student Union Fund (Per Annum)	(8) Grand Total

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
M.A. (5-year Integrated) & M.A. Courses in Humanities/ Social Sciences**(including M.A. Gender Studies)** / Economics	0	1980	440	200	1000	1620	**5240**
6 – Year Int. **M. Optom.** (M.Optometry)	6600	13070	440	200	1000	2910	**24220**
M.Sc. Maths/Statistics/ Physics	0	2940	440	200	1000	1930	**6510**
M.Sc. Chemistry/ Plant Biology & Biotechnology/ Molecular Microbiology/ Ocean and Atmospheric Science/ Neural & Cognitive Science & M.Sc. (5-year Integrated) Sciences /Applied Geology / Health Psychology **	0	3080	440	200	1000	2910	**7630**
M.Sc. Biochemistry/ M.Ed.	915	3080	440	200	1000	2910	**8545**
M.Sc. Animal Biology & Biotechnology	3000	3080	440	200	1000	2910	**10630**
M.Sc. Biotechnology	0	7270	440	200	1000	2910	**11820**
M.Sc. Health Psychology	3300	7350	440	200	1000	2910	**15200**
M.P.A. Dance/ Theatre Arts	0	2940	440	200	1000	1930	**6510**
M.F.A. Painting/ Print Making/ Sculpture/ Art History	1340	2940	440	200	1000	1930	**7850**
M.A. Communication (Media Practice)	8000	4660	440	200	1000	1930	**16230**
M.A. Communication (Media Studies)	6000	4660	440	200	1000	1930	**14230**
M.C.A.	3230	16290	440	200	1000	1930	**23090**
M.B.A. General	5590	34740	440	200	1000	4120	**46090**
M.B.A. Business Analytics	12590	104540	440	200	1000	4120	**122890**
Executive M.B.A.	100000	93490	440	200	1000	4120	**199250**
M.B.A. Health Care	5950	44760	440	200	1000	4120	**56470**
M.P.H. - Master of Public Health	3965	44760	440	200	1000	4120	**54485**
5-year Integrated M.Tech (CS)	1940	16310	440	200	1000	1930	**21820**
M.Tech. (CS / AI / IT) / M.Tech. (IC Technology & Bioinformatics) / M.Tech. – Materials Engineering/ Manufacturing Science & Engineering.	4840	16310	440	200	1000	1930	**24720**

M.Tech – Nanoscience & Technology	6340	16310	440	200	1000	1930	**26220**
M.Tech. – Microelectronics & VLSI Design	12590	16310	440	200	1000	1930	**32470**
M.Tech – Information Security	7590	34980	440	200	1000	1930	**46140**
M.Phil. Courses in Humanities / Social Sciences and Economics	0	2550	440	200	1000	1930	**6120**
Ph.D. (Full – time) Humanities /Social Sciences and Economics	0	2860	440	200	1000	1620	**6120**
Mathematics / Statistics-OR/ Computer Science/ Physics/ Electronics Science and Engineering, Management Studies, S. N. School, & Psychology	0	3820	440	200	1000	1930	**7390**
Chemistry / Life Sciences/ Earth, Ocean and Atmospheric Sciences/ Health Sciences, Cognitive Science	0	3820	440	200	1000	2910	**8370**
Int. M.Sc./ Ph.D. Biotechnology	0	3820	440	200	1000	2910	**8370**
Int. M.Sc./Ph.D. Biochemistry & Molecular Biology / Int. M.Sc./Ph.D. Animal Biology & Biotechnology	915	3180	440	200	1000	2910	**8645**
Ph.D. Materials Engineering, Nano Science & Technology (including part time/ External)	0	9860	440	200	1000	2910	**14410**
Ph.D. Part –Time / External Registration \ Humanities /Social Sciences and Economics	0	3430	440	200	1000	1620	**6690**
Ph.D. Part –Time / External Mathematics / Statistics-OR/ Computer Science/ Physics/ Electronics Science and Engineering, Management Studies, S. N. School & Psychology	0	4470	440	200	1000	1930	**8040**
Ph.D. Part –Time / External Chemistry / Life Sciences/ Earth, Ocean and Atmospheric Science/ Medical Sciences	0	4470	440	200	1000	2910	**9020**
M.Tech. – Microelectronics & VLSI Design (slow pace)	12500@	16360#	440	200	1000	1930	**32470**

IMPORTANT

* Medical Insurance fee will be as per actuals.

** I.M.Sc. Health Psychology Students should pay an additional amount (as Other Fee) of Rs.3300/- per semester from their 7th Semester to 10th Semester.

- Social Welfare Scholarship holders of the State of Telangana are exempted from paying the fees shown in Sl. No: 2 & 3 only. They will, however, be required to pay the other fees shown in Sl. No: 4 to 7.
- Physically Challenged students are exempted from paying the fee shown in Sl. No: 2 & 3. They will, however, be required to pay the other fees shown in Sl. No: 4 to 7.

FEES PAYABLE BY FOREIGN STUDENTS

Sl. No.	Programme	Foreign and NRI students fees per semester (in US $)#	SAARC & Korean students fees per semester (In US$)##
1.	MCA, M.Tech. and M.A. Communication	1550	750
2.	MBA	7250	3600
3.	MPH, PG Courses in Sciences & 5-Year Integrated Master's Degree courses in Sciences	1550	750
4.	PG Courses other than Sciences and 5-year Integrated M.A. Courses in Humanities, Social Sciences and S.N. School (except Communication)	900	450
5.	M.A. Communication (Media Practice)	2000	1200
6.	M.A. Communication (Media Studies)	1800	1000
7.	M.Phil & Ph.D Programmes in Humanities, Social Sciences and Economics	1200	600
8.	Ph.D. Programmes (Sciences, Computer Science, Management Studies and SN School)	1550	750

IMPORTANT

- Foreign Nationals/ NRIs are required to pay the above specified semester fees and Rs. 360 towards the Alumni fund in Indian Rupees.
- #Candidates who are granted admission in MBA, MCA and M.Tech (CS/AI/IT), M.Tech Bioinformatics, M.Sc. Animal Biotechnology, Health Psychology, 5-year Integrated M.Sc. in Optometry & Vision Sciences, MBA in Health Care and Hospital Management and M.A. Communication (Media Practice) and M.A. Communication (Media Studies) and are also required to pay in Indian Rupees an amount equivalent to US $ 1000 as one-time payment towards Development Fee at the time of admission & ##US$ 500 for SAARC countries & Korea.

Minimum qualifications and Intake for admission to various courses for the academic year 2020-21 (July 2020 Session)

Integrated Master's degree Programmes (5-years)

Course	Subject	Intake	Minimum Qualifications for admission	Date and time of the written test	Date and time of Interview
M.Sc. (5-Year Integrated) in Sciences	Mathematical Sciences Physics Chemical Sciences Systems Biology Applied Geology	20 20 20 20 10	With a minimum of 60% marks at +2 level of education with Science subjects only. **NOTE:** For admission to Mathematical Sciences and Physics stream, it is essential to have **Mathematics** as one of the subjects at **+2 level.**		---
M.Sc. (5-Year Integrated)	Health Psychology	20	With a minimum of 60% marks at +2 or equivalent in Arts or Sciences.		--
M.A. (5-Year Integrated) in Humanities	Telugu Language Sciences Hindi	19 19 10	With a minimum of 60% marks at +2 level of education with Telugu/English/ Hindi as one of the subjects. (**Note**: The students who are applying for Telugu/English/Hindi should have studied respective subjects at +2 level.) In case a student has not studied Telugu / Hindi as one of the subjects, he/she should have passed an oriental title examination equivalent to Intermediate (i.e. + 2 level) in Telugu / Hindi by Government of India or any State Government thereof along with + 2 level.		---
M.A. (5-Year Integrated) in Social Sciences	Economics History Political Science Sociology Anthropology	14 13 13 14 13	With a minimum of 60% marks at +2 level of education		--

Note: The running of any programme/course is subject to a minimum of five students taking admission.

Integrated Master in Optometry (6-Years)

Integrated Master of Optometry (M.OPT)	Optometry	28	With a minimum of 60% marks in +2 or Equivalent in Science with Physics, Chemistry, Biology, Mathematics and English as one of the subjects.		--

Note: Candidates those who have passed the qualifying examination (Intermediate / Higher Secondary / etc) within the last Four (4) years will only be eligible to apply.

Post-graduate Programmes (2/3 years)

Course	Subject	Intake	Minimum Qualifications for admission	Date and time of the written test	Date and time of Interview
M.Sc.	**Mathematics/ Applied Mathematics**	50	Bachelor's degree with a minimum of 60% marks in the aggregate of optional subjects with Mathematics/ Statistics as one of the subjects; OR with at least 55% of marks for those students who have done B.A. /B.Sc. (Hons) course in Maths / Statistics.		--
M.Sc.	**Statistics-Operations Research**	25	Same as above		---
M.Sc.	**Physics**	56	B.Sc. with a minimum of 60% marks in the aggregate of subjects with Physics as one of the main subjects in combination with Mathematics OR with at least 55% marks in degree with a minimum of 60% in the aggregate of science subjects: Physics, Mathematics, and Electronics.		---
M. Sc.	**Chemistry**	56	B.Sc. with a minimum of 60% marks in the aggregate of Science subjects with Chemistry as one of the subjects, preferably in combination with Physics and Mathematics.		---
M.Sc.	**Biochemistry**	26	B. Sc. with a minimum of 60% marks in the aggregate of Science subjects with Chemistry or Biochemistry as one of the subjects.		---
M.Sc.	**Plant Biology & Biotechnology**	23	B. Sc. with a minimum of 60% marks in the aggregate of Science subjects with at least one of the following subjects: Chemistry, Botany, Genetics, Microbiology, Biochemistry, Biotechnology.		---
M.Sc.	**Molecular Microbiology**	15	B. Sc. with a minimum of 60% marks in the aggregate of Science subjects with at least one of the following subjects: Zoology, Genetics, Biotechnology, Biochemistry, Botany, Microbiology, Life Sciences.		---
M.Sc.	**Animal Biology and Biotechnology**	23	B. Sc. with a minimum of 60% marks in the Science subjects.		---
MPH	**Public Health**	38	Bachelor's degree in Medicine, Dentistry, AYUSH, Physiotherapy, Occupational therapy, Nursing, Nutrition, Pharmacology, Veterinary Sciences, Agricultural Sciences, Social sciences or any other science degree. Degree holders in arts and humanities with an interest in public health are also encouraged to apply.		
M.Sc.	**Ocean & Atmospheric Sciences**	13+5*	With at least 55% marks in the Bachelor's degree in any branch of Science with Mathematics and Physics as compulsory subjects at the B.Sc. level, OR B. Tech. in Civil / Mechanical / Electrical. * Sponsored		
M.Sc.	**Health Psychology**	15	With a minimum of 60% marks at the Graduate level with Psychology as one of the subjects for 3 years.		

M.Sc.	**Neural and Cognitive Sciences.**	20	Bachelor's degree with a minimum of 55% marks in any branch of Natural Sciences, Mathematics, Engineering, and Computer Science, Social Sciences and Humanities; MBBS.		

Note: 1. For calculating the prescribed percentage of marks for admission to M.Sc./MCA courses the marks obtained in the language papers of the qualifying degree will be excluded.

2. The marks in Hons/Core subjects of B.A. (Hons), B.Sc. (Hons) degrees will only be taken into account for calculating the prescribed percentage of marks.

Course	Subject	Intake	Minimum Qualifications for admission	Date and time of the written test	Date and time of Interview
M.A.	**English**	56	At least 50% marks in the Bachelor's degree with at least 50% marks in English as optional subject; OR at least 50% marks in the Bachelor's degree with at least 55% marks in English as a compulsory subject.		---
M.A.	**Philosophy**	28	Bachelor's degree in any subject(s) with at least 50% marks in aggregate.		---
M.A.	**Hindi**	47	1. A Bachelor's degree with 40% marks in any subject with Hindi as one of the optional subjects/compulsory subjects/or second language. 2. A Bachelor's degree with 40% marks in any subject with a Post Graduate Diploma in Hindi or Translation studies in Hindi (PGDTS)/Functional Hindi. 3. A Bachelor's degree with 40% marks in any subject with an oriental title examination of B.A. standard approved by the Government of India or any State Government, like 'Praveen' and 'Sahitya Ratna' or any other title recognized thereof.		--
M.A.	**Telugu**	56	With at least 50% marks in the Bachelor's degree with at least 50% marks in Telugu as an optional subject; OR with at least 50% marks in the Bachelor's degree with at least 55% marks in Telugu as the compulsory subject.		--
M.A.	**Urdu**	25	With at least 50% marks in the Bachelor's degree or equivalent with at least 50% marks in Urdu, Persian or Arabic as optional papers; OR Bachelor's degree or equivalent with at least 55% marks in Urdu, Persian or Arabic as a compulsory subject i.e. as a second language.		---
M.A.	**Applied Linguistics**	28	At least 50% marks or an equivalent grade in any Bachelor's degree (10 + 2 + 3 patterns) in aggregate with 50% marks in English as a compulsory or optional subject.		---
M.A.	**Comparative Literature**	25	At least 50% marks or an equivalent grade in any Bachelor's degree with 50% marks or an equivalent grade in English as a compulsory or optional subject.		---
M.A.	**Sanskrit Studies**	15	B.A. in Sanskrit/Shastri/Vidwanmadhyama/Acharya OR Graduate from any discipline with Sanskrit as one subject at School/Higher Secondary/College level OR Graduate from any discipline with a certificate or PG Diploma in Sanskrit.		

Course	Subject	Intake	Minimum Qualifications for admission	Date and time of the written test	Date and time of Interview
M.A.	**English Language Studies**	23	Graduates from any discipline with at least 50% marks (with English as a subject in High School, Intermediate and at least one year in the graduate programme, with at least 55% marks in English).		
M.A.	**History**	65	With at least 50% marks in the Bachelor's degree and at least 50% marks in History; OR with at least 50% marks in the Bachelor's degree and at least 55% marks in aggregate in the allied subjects viz. Political Science, Public Administration, Economics, Sociology, Anthropology, Indology, Archaeology, Ancient Indian History and Culture OR Bachelor's degree in any subject(s) with at least 60% marks in aggregate.		---
M.A.	**Political Science**	65	Bachelor's degree with at least 50% marks or Equivalent Grade in Social Sciences or Humanities subjects OR 55% marks in any other subject.		--
M.A.	**Sociology**	65	With at least 50% marks in the Bachelor's degree and at least 50% marks in the subject concerned OR with at least 50% marks in aggregate in the allied subjects viz., all Social science subjects, Philosophy, Communication, Linguistics; OR Bachelor's degree in any subject (s) with 60% marks in aggregate.		---
M.A.	**Anthropology**	38	least 50% marks in the Bachelor's degree.		---
M.Ed.	**Education**	50	Minimum qualifications as per NCTE norms (should have obtained at least 50% Mark's or an equivalent grade in the following programs) **1.** B.Ed.; **2.** B.A. B.Ed./ B.Sc. B.Ed.; **3.** B.El. Ed. **4.** D.El. Ed. with an undergraduate degree with 50% marks in each		
M.A.	**Gender Studies**	20	With at least 50% marks in the Bachelor's degree in any stream from Social Sciences or Humanities or Sciences with a minimum of 50%.		
M. A.	**Economics**	75	A Bachelor's degree in Economics with at least 50% marks in aggregate and at least 50% marks in Economics; OR Bachelor's degree with at least 60% marks in any of the allied subjects viz. Commerce, Statistics, Mathematics, Engineering or any of the Social Sciences subjects.		--
M. A.	**Financial Economics**	37	A Bachelor's degree in Economics with at least 50% marks in aggregate and at least 50% marks in Economics; OR Bachelor's degree with at least 60% marks in any of the allied subjects viz. Commerce, Statistics, Mathematics, Engineering or any of the Social Sciences subjects like History, Political Science, Sociology, Anthropology. **AND** **Mathematics at +2 Level**		--

Note: 1. For calculating the prescribed percentage of marks for admission to M.A. Courses in History, Political Science, Sociology, Anthropology and Economics marks obtained in the language papers of the qualifying degree will be excluded.

1. ***The marks in Hons/Core subjects of B.A. (Hons), B.Sc. (Hons) degrees will only be taken into account for calculating the prescribed percentage.***

PG Programmes offered by the Sarojini Naidu School of Arts and Communication

Course	Subject	take	Minimum Qualifications for admission	Date and time of the written test	Date and time of Interview
M.P.A.	**Dance** **Kuchipudi** **&** **Bharatanatyam**	10 10	Bachelor's degree in dance; OR Bachelor's degree in any subject with a professional diploma or certificate in dance recognized by the University; OR Bachelor's degree in any subject with a certificate from a reputed Guru recognized by the University to the effect that the candidate has undergone training in dance under him/her for a period not less than five years. *(The experience/training certificate should be furnished during the practical test.*) OR A candidate with 10+ 4 years fulltime diploma from Kalakshetra Foundation, Chennai with one-year practical work experience in an institution; OR A candidate with 10 + 2 + 4 years full-time diploma from Kalakshetra Foundation, Chennai.		
M.P.A.	**Theatre Arts**	19	Any graduate with an aptitude for Theatre. Experience in Theatre or any Performing Art will be an added advantage.		
M.F.A.	**Painting** **Printmaking** **Sculpture**	17 10 10	Bachelor's Degree in Fine Arts BFA/BVA or BA (Fine Arts). <u>Essential requirements at the time of application:</u> i) Applicant must specify the stream (Painting/Print Making/Sculpture) on priority basis on which they wish to apply to the Department of Fine Arts. Painting/Print Making/Sculpture 1…….. 2…….. 3…….. NOTE: In addition to the online application form submitted to the University of Hyderabad, each applicant must also send a soft copy of the online application along with15 properly labeled digital images of recent works to **snfa.entranceimages@uohyd.ac.in**		
M.F.A.	**Art History & Visual Studies**	10	Bachelor's Degree in Fine Arts: BFA/BVA/BA (Fine Arts). Candidates with degrees from related disciplines like History, Sociology, Literature, and Anthropology may also be considered, provided they demonstrate evidence of aptitude in Art History, capacity to read visual images, and demonstrate adequate knowledge of contemporary artistic practices. Students must provide evidence of training or practice in visual arts at the time of the oral interview by bringing sketchbooks, artworks or photographs of their original artworks.		
M.A.	**Communication (Media Studies)**	25	Graduate in any degree with a minimum of 55% marks		
M.A.	**Communication (Media Practice)**	25	Graduate in any degree with a minimum of 55% marks		

Management Studies Programmes

MBA	**Health Care & Hospital Management**	37+5*	A Bachelor's Degree from a recognized University with a minimum of 60% marks in Ayurvedic, Homeo, Unani, Dental, Physio Therapy, Nursing, Pharmacy, Pharm. D, Medical Lab Technology, Biomedical, and Biotechnology. Candidates with MBBS background with 55% marks are eligible to apply. Work experience in the Medical/Health Care sector is highly desirable. ***Industry sponsored candidates**		
MBA	**Business Analytics**	37+5*	Bachelor's degree or it's equivalent with a minimum of 60% marks or equivalent grade of any recognized University. Preference will be given to those who have an academic background/experience in Engineering/ Mathematics / Statistics ***Industry sponsored candidates**		
Executive MBA (Weekend)		40	Bachelor's degree or it's equivalent with a minimum of 55% marks or equivalent grade of any recognized University. Applicants should also have a minimum of THREE years of work experience.		

M.Tech. Programmes

M.Tech.	**Microelectronics & VLSI Design**	12 (regular)	**60 % or equivalent aggregate marks in** B.E/B.Tech in Electronics and Communication Engineering/ Electrical and Electronics Engineering/Electronics and Instrumentation Engineering/Electronics Engineering. **The admission is through the written test and interview.** **It is a Non-GATE and Non-Scholarship program. The students admitted to this program will not get any fellowship even if they have a valid GATE score.**		
M.Tech.	**Microelectronics & VLSI Design**	6 (slow pace)	a. An employee in either listed company in any stock exchanges in India or Corporate Social Responsibility (CSR) company or National Research Laboratory. b. At least **60 % or equivalent aggregate marks in** B.E/B.Tech in Electronics and Communication Engineering/ Electrical and Electronics Engineering/Electronics and Instrumentation Engineering/Electronics Engineering Shortlisted candidates based on marks in the qualifying degree in the order of merit will be called for an interview and the admission will be based on the performance in the interview only, according to merit. The candidates admitted to this program are not entitled to any fellowship from AICTE/University even if they have a valid GATE score.		

M.Phil. Programmes

Course	Subject		Minimum Qualifications for admission	Date and time of the written test	Date and time of Interview
M.Phil.	**English**	04	Master's degree in English with at least 55% marks.		
M.Phil.	**Philosophy**	07	Master's degree in Philosophy with at least 55% marks.		
M.Phil.	**Hindi**	21	Master's degree in Hindi with at least 55% marks.		
M.Phil.	**Telugu**	15	Master's degree in Telugu with at least 55% marks.		
M.Phil.	**Urdu**	15	Master's degree in Urdu with at least 55% marks.		
M.Phil.	**Appl. Linguistics.**	04	A Master's degree in Linguistics / Applied Linguistics with at least 55% marks or an equivalent grade. **Note: Candidates should have acquired their PG degree in English medium only.**		
M.Phil.	**Trans. Studies.**	03	A Master's degree in Translation Studies / Linguistics / Applied Linguistics /Literature with a minimum of 55% marks or an equivalent grade OR Master's degree in any other discipline with a minimum of 60% marks or an equivalent grade. **Note: The candidates who passed their qualifying examination in a non-English medium should have a minimum of 60% marks in English as one of the subjects at their graduate examination.**		
M.Phil.	**Comparative Literature**	08	Master's degree in Comparative Literature or any language/literature or allied/relevant discipline with at least 55% marks or an equivalent grade. The candidate must have adequate knowledge of at least two languages/literatures (one of which may be English).		
M.Phil.	**History**	08	Master's degree in History with at least 55% marks or equivalent grade; OR Master's degree in allied subjects with at least 60% marks or Equivalent Grade (Allied subjects: Political Science, Public Administration, Economics, Sociology, Anthropology, Indology, Archaeology, Ancient Indian History and Culture, Literature, Religious Studies, Environmental Studies, and Science Policy). **[The medium of M.Phil. Programme is English. All the students applying for the Programme are required to have adequate English language skills.]**		

M.Phil.	**Political Science**	12	Master's degree in Political Science/any Social Sciences /Humanities subjects with at least 55% marks or Equivalent Grade.		
M.Phil.	**Sociology**	13	Master's degree in Sociology or other Social Sciences including Cultural Studies with at least 55% marks.		
M.Phil.	**Anthropology**	03	Master's degree in Anthropology with at least 55% marks; OR Master's degree in an allied subject with at least 60% marks (Allied subjects: Sociology, Social Work, Social & Preventive Medicine, Public Health, History, Political Science, Economics, Archaeology, Linguistics, Environmental Sciences and Developmental Studies including Rural and Regional Development) **Note: Candidates should have PG degree in English medium only.**		
M.Phil.	**Regional Studies**	04	Master degree in any Social Science discipline OR M.Sc. in Geography/Disaster Management/ Environment Studies with at least 55% marks or equivalent grade in the subject. Eligible candidates with a willingness to work in the identified thrust areas of research at the Centre which include – Development, Urban & Regional issues, Environment, Disasters, Tribal Studies, Violence and collective identities will be preferred. **Course work is compulsory for all students in M.Phil. in the Centre.** **Candidates should have an M.A. degree in English Medium only.**		
M.Phil.	**Social Exclusion and Inclusive Policy**	04	A Master's degree in any of the following subjects with at least 55% marks or equivalent grade is compulsory. ***Anthropology, Economics, Education, History, Human Rights, Political Science, Public Administration, Public Policy, Social Exclusion and Inclusive Policy, Social Work, Sociology, Social Geography, Women/Gender Studies, Rural Development.***		
M.Phil.	**Economics**	13	Master's degree in Economics, OR any of the allied subjects with at least 55% of marks. (Allied subjects: Commerce, Statistics, Mathematics, Engineering, Management or any of the Social Science subjects)		

Int. M.Sc.-Ph.D. /Ph.D. Programmes

Course	Subject		Minimum Qualifications for admission	Date and time of the written test	Date and time of Interview
Int. M.Sc.-Ph.D.	**Biochemistry and Molecular Biology**	06	B. Sc. With a minimum of 60% marks in the aggregate of Science subjects with Chemistry or Biochemistry as one of the subjects.		
Int. M.Sc.-Ph.D.	**Animal Biology & Biotechnology**	06	B. Sc. With a minimum of 60% marks in the aggregate of Science subjects.		
Int. M.Sc.-Ph.D.	**Biotechnology**	06	Bachelor's degree under 10+2+3 pattern of education in Physical, Biological, Agricultural, Veterinary and Fishery Sciences, Pharmacy, 4 Year Engineering / Technology, B.Sc. (Physician Assistant Course) or Medicine (MBBS) or BDS with at least 55% marks. Qualifying degree should have been awarded within 2 years preceding the year of the entrance examination.		
Ph. D.	**Mathematics / Applied Maths**	05 05	Master's degree in Mathematics/Applied Mathematics with at least 55% marks or equivalent grade		
Ph.D.	**Statistics-OR (Operations Research)**	03	Master's degree in concerned or related subjects (Mathematics/ Applied Mathematics/Statistics/ Economics/Computational Sciences) with at least 55% marks or equivalent grade		
Ph. D.	**Computer Science**	15	55% marks in Master's Degree in any Engineering/Technology/ Computer Applications / Computer Science / Mathematics / Statistics / Electronics / Information Systems / Internet Technology / Geo-informatics / Bioinformatics OR with 55% marks in B.E./B.Tech.; OR M.Phil. in Mathematics or Statistics or Electronics.		
Ph.D.	**Physics**	16	M.Sc. degree in Physics or closely related subject/Master's degree in Technology with sufficient Physics background with at least 55% marks.		

Course	Subject		Minimum Qualifications for admission	Date and time of the written test	Date and time of Interview
Ph.D.	**Electronics Science and Engineering**	02	(a)At least 60% aggregate marks in the Master's degree in Electronics Science /Electronics/Applied Electronics/ Electronics and Communication**/** Engineering Physics & Instrumentation/ Physics(with Electronics as one of the Subjects)/ Radio physics**/** Radio Physics & Electronics **OR** (b) with at least 60% aggregate marks in the B.E./ B.Tech., in Electronics, Instrumentation and Control Engineering/ Electronics and Communication Engineering/ Electronics and Control systems/ Electronics and Information Systems**/** Electronics and Instrumentation/ Electronics Engineering/ Electronics Science and Engineering/ Electronics Technology/ Instrumentation**/**Instrumentation & Electronics Engineering./ Instrumentation & Control Systems/ Instrumentation Technology		
Ph.D.	**Earth, Ocean and Atmospheric Sciences**	03	Master's degree in Geology/Applied Geology/ Geophysics/ Applied Geophysics/ Ocean Sciences/ Atmospheric Sciences/ Meteorology or a closely related area with at least 55% marks		
Ph. D.	**Chemistry**	24	M.Sc. OR equivalent degree in Chemistry or allied subjects with at least 55% marks. (Note: B.Tech. in Chemical Engineering, B.Pharm., M.Sc., in Physics or Life Sciences, etc., are treated as allied subjects for this purpose)		
Ph.D.	**Biochemistry**	16	M.Sc. in Biochemistry or a closely related area or M.Sc. / M.Tech. in Bioinformatics or MBBS with at least 55% marks.		
Ph.D.	**Plant Sciences**	13	M.Sc. in any branch of Life Sciences or M.Tech. in Bioinformatics/Biotechnology with at least 55% marks.		
Ph.D	**Microbiology**	04	M.Sc. in any branch of Life Sciences or M.Tech. in Bioinformatics/Biotechnology with at least 55% marks.		
Ph. D.	**Animal Biology**	17	Master's degree in Animal Biology or any area of Life Sciences/M.Tech. in Bioinformatics or Biotechnology, M.Pharm, or M.V.Sc. with at least 55% marks.		

Course	Subject		Minimum Qualifications for admission	Date and time of the written test	Date and time of Interview
Ph.D.	**Biotechnology**	10	Master's degree with 55% marks in Biotechnology/Biology or a closely related area/ Medical Biotechnology/ Biomedical Science/ MSc Systems Biology/5-year Integrated MSc in Systems Biology/Biology or related areas OR an MBBS/ M. Tech. Biotechnology/ M.Sc./M.Tech Bioinformatics/, M. Pharm, MVSc with a minimum of 55% marks.		
Ph.D.	**Systems and Computational Biology**	02	Master's degree with 55% marks in Biotechnology/Physics/Chemistry/Mathematics/any branch of life sciences (Zoology, Botany, Microbiology, Biochemistry, etc.) or M.Sc. in Systems Biology/ Computational Biology/ Bioinformatics with minimum 55% marks or 5-year Integrated MSc in Systems Biology with minimum 55% marks or MBBS/MVSc/ M.Tech. (Biotechnology/Bioinformatics)/M.Pharma with a minimum of 55% marks.		
Ph. D.	**English**	04	Master's degree in English with at least 55% marks.		
Ph. D.	**Philosophy**	07	Master's degree in the subject concerned with at least 55% marks		
Ph.D.	**Hindi**	14	Master's degree in Hindi with at least 55% marks		
Ph.D.	**Telugu**	11	M.Phil. degree in the subject concerned and Master's degree in the subject concerned with at least 55% marks OR Master's degree in the subject concerned with at least 55% marks		
Ph. D.	**Urdu**	09	Master's degree in the subject concerned with at least 55% marks		
Ph. D.	**Applied Linguistics**	08	a)M.A. in Linguistics / Applied Linguistics with at least 55% marks or an equivalent grade. OR (b) MA in allied subjects with a minimum of 60% marks/equivalent grade plus a PG Diploma in Linguistics/Applied Linguistics (Allied subjects include Language & Literature, Philosophy, Anthropology, Sociology, Psychology, Computer Science, Mathematics, Statistics, Communication Studies, Cognitive Science) **Note: Candidates should have acquired their PG degree in English medium only.**		

Course	Subject		Minimum Qualifications for admission	Date and time of the written test	Date and time of Interview
Ph.D.	**Translation Studies**	02	a)M.A. in Linguistics/Applied Linguistics/ Translation Studies/Literature with a minimum of 55% marks. OR (b) M.A. in any other discipline with a minimum of 60% marks/equivalent grade. Note: The candidates who passed their qualifying examination in a non-English medium should have a minimum of 60% marks in English as one of the subjects at their graduate examination.		
Ph.D.	**Comparative Literature**	04	Master's degree in Comparative Literature or any language/literature or allied/relevant discipline with at least 55% marks or an equivalent grade. The candidate must have adequate knowledge of at least two languages/literatures (one of which may be English).		
Ph.D.	**Sanskrit Studies**	04	a) Master's Degree in Sanskrit or equivalent / Natural Language Processing with at least 55% marks OR b) B.A.M.S. with at least 55% marks		
Ph.D.	**English Language Studies**	04	Master's degree in English or Linguistics/Applied Linguistics (with English as then medium of instruction) with at least 55% marks		
Ph. D.	**History**	08	M.A. in the subject concerned (with at least 55% marks) or Equivalent Grade OR Master's degree in any subject with at least 60% marks OR Equivalent Grade in any subject. **The Medium of the Ph.D. Programme is English.** **All the students applying for the Programme are required to have adequate English language skills.**		
Ph. D.	**Political Science**	10	Master's degree in Political Science/any Social Sciences /Humanities subjects with at least 55% marks or Equivalent Grade.		
Ph. D.	**Sociology**	10	Master's degree in Sociology or other Social Sciences including Cultural Studies with at least 55% marks;		
Ph. D.	**Anthropology**	01	M.A. /M.Sc. in Anthropology with a minimum 55% marks OR M.A. in any allied subject with at least 60% marks		
Ph.D.	**Education**	05	Master's in Education/Psychology/Philosophy/ Sociology/Social Anthropology/Adult and Continuing Education/ Population Studies/Social Work/Women Studies/ English with at least 55% marks or equivalent grade		

Course	Subject		Minimum Qualifications for admission	Date and time of the written test	Date and time of Interview
Ph.D.	**Regional Studies**	02	M.A. in any Social Science discipline OR M.Sc. in Geography / Disaster Management/ Environment Studies with at least 55% marks or equivalent grade in the subject. Eligible candidates with a willingness to work in the identified thrust areas of research at the Centre which include – Development, Urban & Regional issues, Environment, Disasters, Tribal Studies, Violence, and collective identities will be preferred. **Course work is compulsory for all students in Ph.D. in the Centre.** **Note: Candidates should have an M.A. degree in English medium only.**		
Ph.D.	**Folk culture Studies**	01	Master's degree with at least 55% marks in any of the subjects in Social Sciences, Humanities, Fine Arts, Performing Arts, and Communication. **Note: The medium of instruction and submission of the thesis shall be in English only.**		
Ph.D.	**Social Exclusion and Inclusive Policy**	03	A Master's degree with any one of the following mentioned subjects with at least 55% marks or equivalent grade. ***Anthropology, Economics, Education, History, Human Rights, Political Science, Public Administration, Public Policy, Social Exclusion and Inclusive Policy, Social Work, Sociology, Social Geography, Women/Gender Studies, Rural Development.***		
Ph.D.	**Economics**	08	M.A. in Economics (with at least 55% marks or Equivalent Grade) OR Master's degree in the allied subjects(Commerce, Statistics, Mathematics, Engineering, and Management or any of the Social Science subjects) with at least 60% marks or Equivalent Grade).		
Ph.D.	**Dance**	02	Master's degree with 55% marks in the concerned subject. OR Master's degree with at least 60% marks in any subject.		
Ph.D.	**Theatre Arts**	04	Masters' degree in Theatre Arts/Drama/Performance studies with at least 55% marks.		
Ph.D.	**Communi-cation**	05	Master's degree in the subject concerned with at least 55% marks; OR Master's degree with at least 60% marks in any subject		

Course	Subject		Minimum Qualifications for admission	Date and time of the written test	Date and time of Interview
Ph.D.	**Management Studies**	12	With at least 55% marks in Master's degree or its equivalent in Management or Commerce or Accounting (MBA, M.Com, C.A, ICWA, etc.)		
Ph.D.	**Health Sciences**				
	Public Health	04	a. Master's Degree in Public Health with at least 55% marks in aggregate in qualifying examination. b. Master's degree in any stream of Health Science including Indian Systems of Medicine, Applied sciences, Allied Health Sciences, Nursing with at least 55% marks in aggregate in qualifying examination. c. Master degree holders in Life sciences, Social sciences, Medical Social Work, Behavioural sciences, Health Management and Health Administration with at least 55% marks in aggregate in qualifying examination. **Applicants of b. and c. categories above should have demonstrable <u>Public Health Experience</u> in addition to the minimum qualifications criteria which will be assessed during the time of interview.** **Note: JRF in Social Medicine & Community Health of UGC-NET with eligibility are also eligible to appear for interview without appearing for University Entrance Examination.**		
	Biomedical Sciences	03	Master's degree in Biochemistry/Animal Sciences/Biotechnology/Biosciences/ Toxicology/ Pharmacology /Microbiology from a corresponding statutory body with at least 55% marks in aggregate or its equivalent grade. **Note: For JRF Qualified candidates only.**	**No written test will be conducted**	
Ph.D.	**Psychology**	9	Master's Degree in Psychology with at least 55% marks.		
Ph.D.	**Cognitive Science**	02 + 01	Master's degree with a minimum of 55% in Neural and Cognitive Science, Converging Technologies, Cognitive Science or any branch of biological science like Zoology, Neuroscience, Biotechnology, Biochemistry, Genetics, etc. Candidates having an interest in the areas of Neurobiology research especially Biochemistry and Molecular biology are encouraged to apply. Master's degree with a minimum of 55% in neural and cognitive science, cognitive science, any basic science, B Tech in any branch of engineering. The selected candidate will work in the area of visual cognition and attention.		

Course	Subject		Minimum Qualifications for admission	Date and time of the written test	Date and time of Interview
Ph.D.	**Materials Engineering**	12	M.E./M.Tech. or equivalent Master's degree in Metallurgy; Mechanical (Production/Manufacturing Engineering); Materials Engineering; Ceramic Engineering/ Technology or Engineering Physics, Chemical Engineering; Nanoscience and technology. OR Bachelor's degree in Engineering/Technology in any of the above disciplines. OR Master of Science degree in Physics/Chemistry/ Materials Science/Nano Science and Technology. **Candidates should have at least 55% marks in the respective qualifying exam.**		
Ph.D.	**Nano Science and Technology.**	06	M.E./M.Tech. or equivalent Master's degree in Metallurgy; Mechanical (Production/Manufacturing Engineering); Materials Engineering; Ceramic Engineering/ Technology or Engineering Physics, Chemical Engineering; Nanoscience and technology OR Bachelor's degree in Engineering/Technology in any of the above disciplines. OR Master of Science degree in Physics/Chemistry/ Materials Science/Nano Science and Technology **Candidates should have at least 55% marks in the respective qualifying exam.**		

NOTE: 1. For Integrated PG, PG and M.Tech courses the minimum eligibility of marks in the qualifying exam is relaxed by 5% for SC and ST candidates.

2. As per UGC Regulations, 2016, the minimum eligibility for applying for admission to M.Phil/ Ph.D. for General & EWS category is 55% marks or equivalent in PG and for SC/ST/OBC/ PwD the minimum eligibility is 50%.

List of Programmes for which admission is through other modes/examinations				
Course	**Subject**	**Intake**	**Minimum Qualifications for admission**	
M.Sc.	**Biotechnology**	25**	Bachelor/s degree under 10+2+3 pattern of education in Physical, Biological, Agricultural, Veterinary and Fishery Sciences, Pharmacy, 4 years Engineering / Technology, B.Sc. (Physician Assistant Course) or Medicine (MBBS) or BDS with at least 55% marks. Selection is based on a national level common entrance examination for admission to PG programs in biotechnology like CEEB sponsored by the Department of Biotechnology, Government of India, New Delhi **(**Intake of students is as per the announcement from the DBT, Govt of India).**	**Through CEEB sponsored by DBT, Govt of India, New Delhi.**
M.C.A.	**Computer Applications**	40	Mathematics as the main subject and studied as full papers in Higher Secondary (10 + 2) level is a mandatory prerequisite. First Class Bachelor's degree with at least 60% marks in aggregate, in any discipline. **NIMCET 2020 scores** in order of merit, will be the only criteria for admission.	**Through counselling at UoH**
MBA	**Business Management**	75	Bachelor's degree or it's equivalent with a minimum of 60% marks or equivalent grade of any recognized University. Note: The admissions for the academic year 2020-22 have been completed based on the percentile scores of the applicants in CAT 2020 followed by Group Discussion/Interview.	**Through CAT Scores**

M.Tech	**IC Technology**	18+12*	Valid GATE Score in Electronics & Communication Engineering/ Instrumentation Engineering / Physics. with Either (a) at least 60% aggregate marks in the Master's degree in Electronics Science /Electronics/Applied Eectronics/ Electronics and Communication/ Engineering Physics & Instrumentation/ Physics(with Electronics as one of the Subjects) / Radio physics/Radio Physics & Electronics. OR (b) at least 60% aggregate marks in the B.E./ B.Tech., in Electronics, Instrumentation and Control Engg/ Electronics and Communication Engg/ Electronics and Control systems/ Electronics and Information Systems/ Electronics and Instrumentation/ Electronics Engineering/ Electronics Science and Engineering/ Electronics Technology/ Instrumentation/Instrumentation & Electronics Engg./ Instrumentation & Control Systems/ Instrumentation Technology **Note: Valid GATE scores in the order of merit, in one of the following subjects, will be the criterion for admission. (1)Electronics and Communication Engineering (2) Instrumentation Engineering (3) Physics. No other written test or interview will be conducted.** GATE Fellowship is extended to all candidates admitted to M.Tech (I.C technology) in regular mode. * Sponsored seats Candidate with the above-mentioned minimum qualification and with three years of experience from any Government R&D Labs/Public sector Units/Publicly listed Companies are eligible to apply under the sponsored mode. **Shortlisted candidates will be called for the interview and the admission will be based on the performance in the interview according to merit. The eligibility criteria are the same as regular mode except for the GATE score.** **The students admitted in sponsored mode will not get any fellowship.**	**Admissions based on GATE scores only**
M.Tech.	**Computer Science** **Artificial Intelligence** **Information Technology** **Information Security**	45+5* 30+5* 30+5* 18+5*	First class with minimum of 60% marks in Bachelor's degree in Engineering/Technology (B.E/B.Tech)/ MCA/M.Sc. in (Computer Science/ Information Science/ Electronics) and valid GATE score in **Computer Science & Information Technology** * **Sponsored**	**Admissions through CCMT**

M.Tech.	**Bioinformatics**	25	The qualifying degree for this program includes B.Tech./B.E./M.Sc. in Bioinformatics, Biochemistry, Biotechnology, Applied Microbiology, Biology, Biomedical Genetics, Bio-Sciences, Life Science, Life Sciences (Botany), Life Sciences (Zoology), Microbiology, Agricultural Science, Biochemical Engineering, Biomedical Engineering, Biotech Engineering, Bioengineering, Biological Sciences and Bioengineering, Biomedical Instrumentation, Biosciences, and B.Pharm. GATE qualification with the subjects, Biotechnology-BT, Chemistry-CY, Chemical Engineering-CH, Biomedical engineering - BM, Life sciences – XL, and Ecology and Evolution - EY will only be considered for admission.	**Admissions through CCMT**
M.Tech.	**Materials Engineering**	18	Bachelor degree in Engineering/Technology (B.E/B.Tech) in (Aerospace Engineering, Ceramic Engineering/ Technology, Chemical Engineering, Industrial and Production Engineering, Manufacturing Engineering, Materials Engineering, Mechanical Engineering, Metallurgical Engineering), Master's degree in Chemistry, Materials Science, Nano-science & Technology, Physics with a Valid Gate Score in any of the following: Aerospace Engineering, Ceramic Engineering/ Technology, Chemical Engineering, Industrial and Production Engineering, Manufacturing Engineering, Mechanical Engineering, Metallurgical Engineering, Chemistry, Physics, Engineering Sciences The admission is through centralized counselling for M.Tech, i.e., CCMT. ***Candidates should have at least 55% marks in the respective qualifying exam***.	**Admissions through CCMT**
M.Tech.	**Nanoscience and Technology**	18	Bachelor degree in Engineering/Technology (B.E/B.Tech) in (Ceramic Engineering/ Technology, Chemical Engineering, Industrial and Production Engineering, Manufacturing Engineering, Materials Engineering, Mechanical Engineering, Metallurgical Engineering, Nanoscience, and Technology), Master's degree in Chemistry, Materials Science, Nano-science & Technology, Physics with a Valid Gate Score in any of the following: Ceramic Engineering/ Technology, Chemical Engineering, Industrial and Production Engineering, Manufacturing Engineering, Mechanical Engineering, Metallurgical Engineering, Chemistry, Physics, Engineering Sciences The admission is through centralized counselling for M.Tech, i.e., CCMT. ***Candidates should have at least 55% marks in the respective qualifying exam***.	**Admissions through CCMT**

M.Tech	**Manufacturing Science and Engineering**	18	Bachelor degree in Engineering/Technology (B.E/B.Tech) in (Mechanical Engineering, Industrial Engineering, Production Engineering, Manufacturing Engineering, Materials Engineering, Metallurgy Aerospace Engineering), with a Valid Gate Score in any of the following: Industrial and Production Engineering, Manufacturing Engineering, Mechanical Engineering, Metallurgical Engineering. The admission is through centralized counselling for M.Tech, i.e., CCMT. Candidates should have at least 55% marks in the respective qualifying exam.	**Admissions through CCMT**

5-year Integrated M.Tech.	**Computer Science**	30	As per JOSAA/CSAB guidelines. One of the criteria for admission is that the candidate should satisfy at least one of these two criteria: (i) The candidate is within the category-wise top 20 percentile of successful candidates in their respective Class XII (or equivalent) examination of the respective stream and Board. (ii) The candidate has secured minimum 75% (for GEN or OBC-NCL) or minimum 65 % (for SC, ST or PWD) of aggregate marks in Class XII (or equivalent) examination of the respective stream and Board	**Seats will be allocated as per Centralized Counselling of JOSAA/ CSAB**

हैदराबाद विश्वविद्यालय
University of Hyderabad

प्रतिष्ठित संस्थान
INSTITUTION OF EMINENCE
राष्ट्रीय अपेक्षाएँ, वैश्विक मानक
National Needs, Global Standards

SCHOOLS OF STUDY & RESEARCH

SCHOOLS OF STUDY

SCHOOL OF MATHEMATICS & STATISTICS

The School offers facilities for intensive training and research in the basic areas of Mathematics, Statistics and Operations Research.

Prof. C. Raghavendra Rao is the Dean I/c of the School.

The School aims to train people who are oriented towards research and teaching in advanced areas of Mathematics, Statistics and Operations Research. Special attention is given to foundational topics.

The School offers research facilities in the following areas:
Algebraic Groups, Hopf Algebras, Lie Algebras, Algebraic Geometry, Combinatorial Number Theory, Analytic Number Theory, Dynamical Systems, Topological Dynamics, Many valued logic.
Fluid Dynamics, Ordinary Differential Equations, Partial Differential Equations, Numerical PDE.
Modelling and Analysis of large data, Bayesian Modelling, Modelling of Spatio-Temporal data, Bioinformatics/Genomics, Reliability, Survival Analysis, Statistical Inference, Extreme Value Theory.

The School has good computing facilities. There are three labs. A Statistics lab with 25 PCs and 2 UGC (SAP) labs with 25 and 15 PCs respectively. The University Library has been recognized as a Regional Library by the National Board for Higher Mathematics (NBHM).

Programmes of study

The School offers **I.M.Sc.**, **M.Sc.** and **Ph.D.** Programmes.

The M.Sc. Programme is offered in three streams namely, Mathematics, Applied Mathematics and Statistics-Operations Research. This programme is spread over a period of four semesters. For each stream, there are separate core courses and electives.

The School offers Ph.D. programmes in Mathematics, Applied Mathematics and Statistics. Students admitted to this programme are required to satisfactorily complete their course work prescribed by the School in the first two semesters in order to continue their Ph.D. They are also expected to take part in the weekly Colloquium / Seminar of the School.

The School also participates in the 5-Year Integrated M.Sc. Programme in Mathematical Sciences, which is administered through College for Integrated Studies.

Entrance Examination

MSc in Mathematics/Applied Mathematics/Statistics-OR
The written test in objective type will have questions on Sets, Sequences, Series, Limits, Continuity, Differentiation, Integration, Graphs of Functions, Coordinate Geometry of two and three dimensions, Group Theory, Ring Theory, Vector Spaces, Matrices, Determinants, Linear Transformations, Rank, Nullity, Eigenvalues, System of Linear Equations, Elementary Probability and Logical reasoning.

M.Sc. in Statistics-OR

The written test in objective type will have questions on Sets, Sequences, Series, Limits, Continuity, Differentiation, Integration, Graphs of Functions, Vector Spaces, Matrices, Determinants, Linear Transformations. Elementary Probability - Events, Independent Events, Conditional Events, Bayes' Theorem, Chebyshev's Inequality. Random Variables and their Distributions – Binomial, Poisson, Geometric, Negative Binomial, Uniform, Normal, Exponential, Gamma, Beta. Inference – Methods of Moments and ML Estimation, Test for Mean and Variance of the normal distribution, Contingency Tables, Simple Linear Regression. Linear Programming Problem- Graphical Solution.

Important notes

- Two separate tests will be held for M.Sc Mathematics (including Mathematics and Applied Mathematics) and M.Sc Statistics
- At the end of the first year, students can choose between Mathematics and Applied Mathematics
- Students cannot change between Mathematics and Statistics
- Topics listed above is only indicative

Ph.D in Mathematics/ Applied Mathematics/ Statistics-OR

Entrance to the programme is based on a written test. Candidates clearing the entrance test will be called for an interview as per merit list.

The written test consists of two parts.
PART A will have questions related to Research Methodology.
PART B will have questions on Linear Algebra, Real Analysis, Complex Analysis, Ordinary

Differential Equations, Partial Differential Equations, Functional Analysis, Measure & Integration, Algebra, Number Theory and Numerical Analysis (**Mathematics/ Applied Mathematics**);

Probability & Measure Theory, Real Analysis, Linear Algebra & Matrix Theory, Inference, Linear Models, Design & Analysis of Experiments, Sampling (**Statistics-OR**).

Important notes

- *The Ph.D. interview will be for 30 marks for all candidates who are called for interview, i.e., without making any distinction between those who qualify in the National level Fellowship awarding tests or the Entrance Examination.
- Candidates qualifying in National level tests awarding Fellowships (i.e., JRF's who qualify in CSIR/UGC Tests and NBHM-Ph.D. Test) will be exempted from writing the Ph.D. Entrance Examination and will be invited to appear for the interview directly.
- List of topics above is not exhaustive

Vacancy position with the faculty and their broad areas or research.

Sl. No.	Name of the Faculty	Position	Specialization	Vacancy for the Academic year 2020-21	Broad Area of specialization.
1	Prof. B.S. Padmavati	Professor		0	-----

2	Prof. R. Radha	Professor		0	
3	Prof. M. Bhattacharjee	Professor	1) Big data: Modelling and analysis of biological and environmental data, 2) Bayesian Integrated modelling: "Omics"-data, 3) Modelling and analysis of heterogeneous data: bioinformatics, statistical genetics, environmental data, reliability & survival analysis, econometrics, 4) Parametric and Non-Parametric Statistical Inference for Stochastic Processes.	2	1) Inference for high-dimensional data, 2) Variable Selection in High-Dimensional Random Matrices 3) Predictive modelling in Bayesian framework
4	Prof. Saroj Panigrahi	Professor	Ordinary Differential Equations, functional differential equations, dynamic equations on time scale, integral equations.	4	Ordinary Differential Equations, functional differential equations, dynamic equations on time scale, integral equations.
5.	Prof. Sankarnarayanan		Analytic and elementary number theory	2	number theory
6	Dr. B.Shobha	Associate Professor		0	
7.	Dr. M.S Datt	Associate Professor	Algebra/Representation Theory	0	
8.	Dr. T.K.S. Moothathu	Associate Professor	Dynamical Systems and operator theory	1	Operatory Theory
9	Dr S. Illangovan	Associate Professor			
10	Dr. T. Suman Kumar	Associate Professor	Applications of PDE	1	Population Dynamics, PDE
11	Dr. Mohan N. Chintamani	Assistant Professor	Combinatorial Number Theory, additative Combinatrix, Cryptography and Number Theory	0	
12	Dr Archana Subhash Morye	Assistant Professor	Algebraic Geometry, Vector Bundles	0	
13	Dr. B.G. Manjunath	Assistant Professor	Extreme Value Analysis-Generalized Multivariate Pareto Distribution, Distribution Theory, conditional specification, Pseudo-Distributions, Statistical Inference and Multivariate analysis	0	
14	Dr. P. Cnhiranjeevi	Assistant Professor	Dynamical Systems	1	
15	Dr. Nageswara Rao Vemuri	Assistant Professor	Fuzzy Logic	0	
16.	Dr. Biswajyothi Saha	Assistant Professor	Number Theory	0	
17.	Dr. Anjana .S.	Assistant Professor	Survival Analysis, Nonparametric Inference	1	Survival Analysis
18.	Dr. S. Abhay Anant	Asst. Prof.	Algebra	1	Division Algebras
19.	Dr. S.B. Bhalekar	Associate Professor	Analysis, Dynamical Systems and Fractional Differential Equations	0	Delay differential equations
20.	Dr. Sandipan De	Assistant Prof.		--	
				13	

Breakup of weightages

The Ph.D. interview will be for 30 marks for all candidates who are called for interview, i.e., without making any distinction between those who qualify in the National level Fellowship awarding tests or the Entrance Examination.

Faculty

Professors		
B. Sri Padmavati	Ph.D. (Univ. of Hyderabad)	Fluid Dynamics
R. Radha	Ph.D. (IIT, Bombay)	Fluid Dynamics
M. Bhattacharjee	Ph.D. (Pune University)	Modelling and Analysis of large data, Bayesian Modelling, Modelling of Spatio-Temporal data, Bioinformatics/Genomics, Reliability, Survival Analysis
S. Panigrahi	Ph.D. (Berhampur)	Differential Equations
Associate Professors		
B. Shobha	Ph.D. (IIT, Delhi)	Statistical Inference and Reliability
M. Sumanth Datt	Ph.D. (Univ. of Hyderabad)	Hopf Algebras, Algebraic Groups
T.K.S. Moothathu	Ph.D. (Univ. of Hyderabad)	Topological Dynamics
S. Ilangovan	Ph.D. (TIFR, Mumbai)	Lie Algebras and Representation Theory
T. Suman Kumar	Ph.D. (Universite Pierre et. Marie Curie, France)	Nonlinear population dynamics, Hyperbolic PDE
Assistant Professors		
M. C. Namdev	Ph.D. (HRI, Allahabad)	Combinatorial Number Theory
A. S. Morye	Ph.D. (HRI, Allahabad)	Algebraic Geometry
B.G. Manjunath	Ph.D. (Univ. of Siegen, Germany)	Extreme Value Theory
P. Chiranjeevi	Ph.D. (Univ. of Hyderabad)	Dynamical Systems
Nageswara R. V.	Ph.D. (IIT Hyderabad)	Many Valued Logic
B. Saha	Ph.D. (IMSc. Chennai)	Analytic Number Theory

SCHOOL OF COMPUTER INFORMATION SCIENCES

The School of Computer and Information Sciences (SCIS) epitomizes excellence in all the major functions associated with higher learning such as teaching, research, student development and curriculum planning. The strengths of the School are its quality faculty, innovative and flexible curricula with their unique focus on post-graduate education, state-of-the-art research with a remarkably high number of PhD scholars – both ongoing and recently graduated, and highly open and transparent policies that foster a healthy student-faculty interaction. SCIS always stood for innovation and leadership in curriculum planning – having one of the oldest (from 1983) and even now one of the best MCA programmes; boldly proposing and introducing the M.Tech programme in Artificial Intelligence as early as in 1986 to attract the small but growing number of undergraduates in computer science; and, in 2002, introducing the unique M.Tech in Information Technology (with specialization in Banking Technology and Information Security) in collaboration with IDRBT (Institute for Development and Research in Banking Technology, a sister Institute of RBI) aimed at bridging the shortfall of trained computer professionals in banking and finance industries. In 2014, the School has started a 5-year Integrated M.Tech (CS) programme to admit students immediately after Class XII. Last year we have started an MTech (IS) programme in Information Security in collaboration with CR Rao Advanced Institute of Mathematics, Statistics and Computer Science.

The current research areas in the School include Artificial Intelligence, Machine Learning (and Deep Learning), Image Processing, Computer Vision, Pattern Recognition, Natural Language Engineering, Machine Translation, Networks, Computer and Network Security, Information Security, Software Engineering, Logic, Data Mining, Wireless Sensor Networks, Heuristics and Metaheuristics, Cryptology, Parallel, Grid and Cloud Computing, and Speech Processing.

Funding for the School

The School has been recognized by several funding agencies. The Department of Science and Technology (DST), Government of India has recognized the research contributions of the School by funding it under FIST and PURSE programmes. The School also received funding from industry. With the university recognised as an Institute of Eminence (IoE) recently, the School planned several innovative activities with the generous grants under the scheme.

Research Projects

The School currently executes several research projects (funded by MeitY, UGC, ISRO, DRDO, DLRL, MHA, DST, INCOIS etc.) on FAE, Content-Based Image Retrieval, Speech and Natural Language Processing, Grid Computing, Cryptography, Neural Networks, Formal Methods in Software Engineering, Business Process Re-engineering, Forensic Document Analysis, System Security, Wireless Sensor Networks, Manufacturing and Logistics, Grid Middleware etc.

Student Funding

Students of the School have the facility of getting funding under faculty research projects and funding from other sources such as the UPE2/PURSE funding that the university/School gets from UGC/DST etc. This is open to Ph.D./Integrated M.Tech./MCA students. M.Tech. (CS/AI/IT/IS) students are all eligible for the GATE scholarships under AICTE funding. Ph.D. students are eligible for scholarships from the university for a period of 5 years.

Other Ph.D. Fellowships

IDRBT Fellowship: Currently the fellowship will carry monthly stipend of Rs.25,000 (for 1st and 2nd year) and Rs.28,000 (for 3rd, 4th and 5th years), subject to revision from time to time. The students will work full time at IDRBT. The breakup of these IDRBT PhD Fellowships will be as per reservations norms of GOI. The areas of research of the scholars need to be relevant to banking technology and information security. There will be joint guidance of IDRBT and SCIS (UoH), one guide from each.

Visvesvaraya PhD Fellowship: Further, details can be found at http://phd.medialabasia.in/ for fellowships for 2018-19, if available.

Industry, Academic and other Contacts

SCIS maintains active contact with both industry and research labs and participates in developing state-of-art computing systems. The School has initiated academic collaboration at an international level with University of Trento, Italy; Mahasarakham University, Thailand; Universite de Bretagne-Sud, Lorient, France; Griffith University, Brisbane, Queensland, Australia; Prof. C. R. Rao AIMSCS Institute; IDRBT, IIIT Hyderabad; ISI Calcutta and National University of Singapore. The School has MoUs for collaborative work with NISG (National Institute for Smart Government), Anna University, IBM (ISTL), Hitachi Consulting and Altair Engineering to promote research and teaching programmes in Business Process Re-engineering and Middleware Technology. The School offers elective courses in collaboration with Hitachi Consulting on Service-Oriented Architecture and with IBM ISL on Big Data and Virtualization. The School has conducted half-day and full-day workshops/technology days in collaboration with corporations such as J P Morgan Chase, Hitachi Consulting and IBM ISL

Placement

The School has a vibrant placement programme. The School attracts many product-oriented dream companies such as IBM, Teradata, GE, Cisco, Commvault, Cavium Networks, FreeScale, TeamFI, Honeywell, Oneconvergence, JPMC, HSBC, Works Apps, CA, Polaris, Imagination Technologies (HelloSoft), and other companies such as Broadridge, ADP, TCS, DST, Capgemini, Cordys, Intergraph, Aveva, Hitatchi consulting, Redpine.

Programmes of Study

The School offers Seven different programmes of study leading to: **Ph.D**. in Computer Science, 5-year **Integrated M.Tech.** in Computer Science, **M.Tech.** (Computer Science), **M.Tech.** (Artificial Intelligence), **M.Tech.** (Information Technology) with specialization in Banking Technology & Information Security, in collaboration with IDRBT, **MTech** (Information Security) in collaboration with CR Rao AIMSCS, and **M.C.A.** In addition, the school also contributes and supports the School of Physics, School of Life Sciences, 5-year Integrated M.A. and M.Sc. courses.

Ph.D.

The School has a very vibrant Ph.D programme with more than 60 registered students currently, both Indian and foreign nationals, as on date and more than 120 scholars have completed their PhD till now. As the School always has a high priority for research, it strongly encourages fresh and brilliant students to participate in the above exciting research programmes as full-time/part-time Ph.D. students. School further offers Visvesvarya PhD Fellowships (sponsored by DeitY) for supporting brilliant Ph.D. students. This is subject to sanction of the Govt. of India (Admission Notice will come as a separate advertisement). Further, details can be found at http://phd.medialabasia.in/. The School is also recognized as an AICTE Minor QIP Centre for Ph.D.

Programme. For further details, please refer to QIP brochure available at http://qip.iitd.ac.in/qipadm2017/QIP_Brochure_Ph.D.pdf

The **Ph.D. programme** is offered on full time, part time and external registration basis as per the university regulations. Candidates who have the required qualifications and are doing teaching/research in recognized institutions or researchers from companies registered with STPI/NASSCOM/Central Government Organizations who operate within the jurisdiction of the University can apply for part time admission, which is available during 2019-20. Interested candidates are advised to study the areas of research from the School and faculty profiles. Please visit School website http://scis.uohyd.ac.in for details. **Candidates interested in doing research in the following areas are strongly encouraged to apply.**

- Machine Learning, rough sets and soft computing
- Data science, analytics and big data
- Cryptography and cybersecurity
- Social networks analysis and graph theoretic techniques
- Software defined networks and network security

Entrance Examination

Admission Process: Please refer to appropriate section in the prospectus about UGC Regulations 2016. Admission will be through a written test followed by an interview. The candidates who have been awarded JRF Fellowship after writing a National-level written test will be exempted from writing written test of the University and will be directly called for the Interview.

Written Test Format and Syllabus

The written test will consist of ***only objective type*** questions. 50% of questions shall be from Research Methodology and the other 50% shall pertain to the concerned subject. The paper shall have two parts, Part A and Part B. The following syllabus is proposed for the PhD entrance examination

PART A: Research Methodology:

- Quantitative Methods: Data preprocessing, graph plotting, plotting functions and data, statistical data analysis.
- Research: Technical Comprehension, Meaning, characteristics and types of research; Steps of research; Methods of research; Research Ethics.
- Aptitude and Reasoning: Reasoning, Logical Reasoning, Data Interpretation.
- Computer Applications: Flow Charts, Problem Solving.

PART B: Computer Science:

Computer Organization, Computer Programming, Discrete Mathematics, Data Structures, Algorithms, Operating Systems, Database Management Systems, Graph Theory, Computer Networks, and Automata.

The written test is for total of 70 marks and both Part A (35 questions) and Part B (35 questions) will have equal weightages.

Interview Process
The number of candidates called for interview is six times the available seats. Candidates must indicate their research interest at the time of the interview. ***All candidates must come prepared with a tentative research plan*** write-up of maximum 4 pages and are encouraged to submit details of research papers/technical reports (if any), they have authored.

Foreign candidates
Foreign nationals seeking admission in PhD programme should have the required basic qualifications. Candidates must demonstrate their ability to communicate in English. Following are the guidelines for admission to PhD:

Foreign students are required to submit past academic records, three reference letters, and a statement of purpose on the research topic of their interest. They must have good ability to communicate in English. In order to support the claim for admission into PhD, the following guidelines are stipulated:

- Students residing in India and who have taken prior qualifying education in India **have to appear for the interview** with all required supporting documents
- Both GRE andTOEFL/IELTS scores are to be submitted at the time of admission

Please also read section on Admission of Foreign Nationals in the prospectus.

5-year Integrated M.Tech. in Computer Science
The School has introduced a 5-year Integrated M.Tech. Programme in Computer Science with effect from the academic year 2014-15. The students will be awarded M.Tech (CS) degree at the end of five years. It is to be noted that there is no exit option. This programme is intended to provide a high quality computer science education with a curriculum that is state-of-the-art. The School boasts of a very low student-teacher ratio that allows faculty to give individual attention to students.

Admission Process
The admission to 5-year Integrated M.Tech. in Computer Science will be done through JEE(Main) examination conducted in 2020 and the counselling for admission will be done by Joint Seat Allocation Authority (JOSAA)/Central Seat Allocation Board (CSAB).

Foreign candidates should clear SAT-I or ACT examination as a pre-requisite for admission to 5-year Integrated M.Tech. in Computer Science and may apply directly to office of International Affairs, University of Hyderabad. **Please also read section on Admission of Foreign Nationals in the prospectus.**

Master of Technology (M.Tech.)
This programme is meant for graduates in engineering disciplines and postgraduates in related sciences. Four different streams of M.Tech. are offered by the School – M.Tech(CS), M.Tech(AI), M.Tech(IT) with specialization in Banking Technology and Information Security and and MTech(IS). Admissions are open for industry sponsored and foreign candidates. These are all supernumerary.

M.Tech. (Computer Science)
This programme offers core courses of computer science like Operating Systems, Computer Architecture, Algorithms, Software Engineering at an advanced level. Specialized electives of faculty research interest are offered as electives. Students can also specialize in “Systems”,

"Security" and "High Performance Computing" based on courses taken and the dissertation in these areas.

M.Tech. (Artificial Intelligence)
This programme is meant for students interested in specializing in artificial intelligence. Subjects include Knowledge Representation and Reasoning, Machine Learning, Natural Language Processing, etc.

M.Tech. (Information Technology)
With specialization in Banking Technology and Information Security, this programme aims at imparting in-depth knowledge and state-of-the-art expertise to the students through innovative learning supported by high calibre research and technology leadership to create a pool of responsible and resourceful IT professionals, in particular, for the banking and finance sector. This course is offered in collaboration with IDRBT, an RBI institute.

M.Tech. (Information Security)
Security now attracts great attention and this unique programme offers an in-depth exposure to this all important area. This programme is offered in collaboration with C R Rao Advanced Institute of Mathematics, Statistics and Computer Science, colocated on the university campus.

Admission Process:
General Admission Information for M.Tech. Programmes. Admission to programmes in Computer Science, Artificial Intelligence, Information Technology and Information Security courses is through centralized counselling by CCMT (ccmt.nic.in) and is based on valid GATE scores in Computer Science and Information Technology only.

Admission and tuition fees for all the M.Tech. Programmes are uniform.

Sponsored candidates
Five sponsored seats are available for admission into each stream of M.Tech CS, AI, IT and IS. Sponsored candidates seeking admission in the **M.Tech.** (CS/AI/IT/IS) programmes are exempted from **GATE** qualification. Candidates with required basic qualifications would be selected through interviews. Employees with a minimum 2 years of work experience in IT companies registered with STPI or NASSCOM or Central Government Organizations can apply for M.Tech admission in CS/AI/IS. For M.Tech. (IT) those working in Banks/Financial institutions with a minimum of 3 years work experience will be considered. A candidate seeking admission in this category into M.Tech. (CS/AI/IT/IS) must submit (along with application) the organization's willingness to pay a sponsorship amount of **One Lakh Rupees per candidate** (one time) to the development fund of the School. After admission, candidates are required to pay the sponsorship amount and also the usual tuition, admission and other fees as prescribed by the University for other students from time to time. These candidates need to apply to the University as per the prescribed application form.

Foreign Candidates
Foreign nationals seeking admission to M.Tech. Programmes should have the required minimum qualification with background knowledge in Mathematics, Algorithms, Computer Programming etc. Candidates should have ability to communicate in English and should submit a supportive document with a good score in TOEFL/IELTS at the time of admission. In addition, students should submit a letter of reference which supports their claims to the background knowledge and ability to communicate in English. **Please also read section on Admission of Foreign Nationals in the prospectus.**

M.C.A.Programme

The MCA programme aims to prepare graduates in all the major areas of computer science, relevant aspects of mathematics and management so that they can take up both technical and managerial positions in industry. MCA students of earlier batches have been offered internships at companies such as IBM, GE, Microsoft, CA, CMC, Honeywell etc. and are thus provided an opportunity to learn in an industry environment during their last semester.

Note that AICTE has mandated MCA to be a 2-year programme from this academic year and there may be changes in the programme as a result. These will be announced on the university website and school website as and when the official communication is received by the university. Students applying for MCA programme this year are strongly advised to visit the school and university websites frequently for any updates before applying. However, the admission process remains the same as in the previous years.

Admission Process:

MCA admissions are done based on the scores obtained in **NIMCET (National Institute of Technology Master of Computer Applications Common Entrance Test) 2020** only. **NIMCET 2020 scores, in order of merit, will be the basis for admission which is done by the counselling at the University of Hyderabad. Interested candidates need to apply to the University of Hyderabad and separately need to provide their NIMCET 2020 scores (when available) as per the information provided by Controller of Examination, University of Hyderabad. This year NIMCET is being conducted by NIT Raipur and the candidates are advised to visit NIMCET 2020 website for details.**

Foreign candidates

Foreign nationals seeking admission to MCA programme should have the required minimum qualification. Candidates should have ability to communicate in English and should submit a supportive document with a good score in TOEFL/IELTS at the time of admission. **Please also read section on Admission of Foreign Nationals in the prospectus.**

General Information for admitted candidates:

The admitted candidates have to report to the School on the day of commencement of the semester. All first year students of all programmes – Ph.D., Integrated M.Tech, M.Tech (CS/AI/IT/IS) and MCA – will have orientation programmes on the first day of the semester to introduce them to the School faculty and be appraised of the academic procedures. The first year M.Tech. (CS/AI/IT/IS) students will have an elective orientation programme along with second and third year MCA students in the afternoon of the first day of the semester. M.Tech. students are **strongly encouraged** to attend the elective orientation as it helps them in choosing the electives. The elective registration will happen during the first week of the semester. Elective registration is done in descending order of GATE scores and according to the limits per stream for each elective course. Students who are not physically present for the elective registration will lose the opportunity to choose electives as per their interest if these seats are filled up.

Pre-Ph.D. course work for registration to Ph.D. programme:

The candidates admitted to Ph.D. programme in the School will be governed by the following rules:

1 All candidates admitted to Ph.D. in the School, whether full time, part time or external, are required to complete the course work. Initial admission is provisional and subject to candidate passing the course work. In case a candidate is unable to pass the course work within one year, his/her admission stands automatically cancelled.

2 The course work will consist of four papers - Research Methods in Computer Science, Data Structures and Programming, and Ethics are core courses. In addition, there will be an elective course. The elective papers will be decided by the Research Advisory Committees of the candidates concerned.
3 Candidates are advised to take all the four courses in the first semester itself. Any exceptions will be decided by the Research Advisory Committees of the candidates concerned.
4 On successful completion of all the four papers, the candidate will be allowed to continue his/her research work towards Ph.D.

Candidates are requested to refer to appropriate section in the prospectus about UGC Regulations 2016.

M.Tech (CS/AI/IT/IS) and 5-year Integrated M.Tech.
A dissertation work is done by the students starting from the 3rd semester for M.Tech (CS/AI/IT/IS) students and 9th semester for Integrated M.Tech students. The students have the option of doing part of their dissertation work in an external institution (academic or corporate) of high repute – both national and international – where the School has an ongoing collaboration. However, the final decision on being permitted to do part of the dissertation in an external institution is at the discretion of the project supervisor of the student concerned. Internship through placement is **not** considered part of the dissertation.

Internship
Short-term internships, especially during Summer vacation times, are encouraged for all students by the School.

For further information visit: http://scis.uohyd.ac.in

Faculty
Senior Professors
Arun Agarwal, Ph.D. (I.I.T Delhi), B.Tech. (I.I.T Delhi), SMIEEE, FIETE, FAPAS - Image Processing, Computer Vision, Pattern Recognition and Neural Networks, Grid Computing. **(Pro-Vice-Chancellor-1)**
C. Raghavendra Rao, Ph.D. (Osmania) - Simulation &Modeling, Knowledge Discovery, Computational Intelligence.

Professors
Hrushikesha Mohanty, Ph.D. (I.I.T. Kharagpur) - Distributed Computing, Software Engineering, Computational Social Science. **(On leave)**
K.Narayana Murthy, Ph.D. (Hyderabad) - Natural Language Engineering
Chakravarthy Bhagvati, Ph.D. (RPI, USA) - Image Processing, Computer Vision, Deep Learning **(Dean of the School)**.
Atul Negi, Ph.D. (Hyderabad), M.S. (I.I.Sc., Bangalore) - Pattern Recognition and its Applications, Computational Intelligence, Technology Enhanced Learning
Siba Kumar Udgata, Ph.D. (Berhampur) - Mobile Computing, Networks and Architecture.
Rajeev Wankar, Ph.D. (DAVV, Indore) – Parallel Computing, Grid Computing, Analysis of Algorithms
Alok Singh, D.Phil. (Allahabad) - Combinatorial Optimization using Heuristic & Metaheuristic techniques.
Vineet C. P. Nair, Ph.D. (Griffith University, Australia) - Knowledge Representation and Reasoning, Multi-Agent Systems, Logics in Artificial Intelligence.

S. Durga Bhavani, Ph.D. (Hyderabad) - Analysis of Algorithms, Fractal Geometry, Mathematical Modeling, Social Network Analysis, Algorithms in Bioinformatics, Analysis of Algorithms.
V.Ch.Venkaiah, Ph.D. (I.I.Sc., Bangalore) – Discrete Mathematics, Algorithms, Cryptography
Salman Abdul Moiz, Ph.D. (Osmania) – Distributed Computing, Software Engineering, Disaster Recovery

Associate Professors
T. Sobha Rani, Ph.D. (Hyderabad) - Bioinformatics, Machine Learning Techniques, Advanced Data Structures
K. Swarupa Rani, Ph.D. (Acharya Nagarjuna), Data Mining, Time-Variant Databases, Machine Learning
Digambar Povar, Ph.D. (BITS, Pilani), M.Tech. (NIT Warangal), B.Tech. (Andhra University) – Digital Forensics, Cloud Computing, Cyber Security
Nagender Kumar Suryadevara Ph.D. (Massey University, New Zealand)-Wireless Sensor Networks, Internet of Things and Real-Time Data Mining.
Y.V. Subba Rao, Ph.D. (Hyderabad) - Cryptography, Theory of Computation, DBMS, Data Forensics
P S V S Sai Prasad, Ph.D. (Hyderabad) - Data Mining, Rough Sets, Big Data Analytics- Data Mining, Rough Sets.
N. Rukma Rekha, Ph.D. (Andhra U.) - Object Oriented Analysis and Design, UML, Cryptography, Pervasive Computing, Software Engineering

Assistant Professors
Wilson Naik, M.Tech. (JNTU Hyderabad) - Network Forensics, Systems Security, Networking
P. Anupama, Ph.D. (Hyderabad), M.S. (UMBC, USA) - Networking, Operating Systems and Graph Mathematical Morphology.
M. Nagamani, M.Tech. (JNTU, Hyderabad) - Speech Processing, Information Retrieval, Intelligent tutoring system, Cognitive psychology, Embedded Systems
Rajendra Prasad Lal, Ph.D. (Utkal) - Graph Algorithms, Mathematical Programming, Computational Geometry.
Anjeneya Swami Kare, M.Tech. (IIT Kanpur), Ph.D.(IIT Hyderabad) - Graph Theory, Algorithms, Data Structures, Theory of Computation.
Nekuri Naveen, Ph.D. (Hyderabad), M. Tech (SE), B.Tech. (CSIT), – Data Mining, Neural Networks, Optimization
Md. Abdul Saifulla, Ph.D. (Anna), M.S. (IIT Madras) – Computer Networks, Algorithms
Avatharam Ganivada, Ph.D. (Calcutta), M.Tech. (Andhra), M.Tech. (**University of Mysore**) – Machine Learning, Softcomputing

Faculty of IDRBT
Professors
V.N. Sastry, Ph.D. (IIT Kharagpur) – Optimization Techniques, Fuzzy Control, Mobile Payments Security, m-Governance, ALM, Portfolio& Network Optimization
Vadlamani Ravi, Ph.D. (Osmania), RWTH Aachen, Germany – Data Mining, Text Mining, Big Data Analytics, Soft Computing, Neuro/Fuzzy/Evolutionary Computing and applications.
B.M. Mehtre, Ph.D. (IIT Kharagpur) – Cyber Security, Digital Forensics, and Biometrics

Associate Professors
M.V.N.K. Prasad, Ph.D. (B.H.U.) - Image Processing, Security and Biometrics
G. R. Gangadharan, Ph.D. (University of Trento, Italy) – Cloud Computing, Web Services, Green IT.
N. P. Dhavale, FPM (IIM Calcutta) - Payment Systems, IT Infrastructure
Assistant Professors
V. Radha, Ph.D. (Hyderabad) – Cloud Computing, Security, Networks, Web Services

Rajarshi Pal, Ph.D. (IIT Kharagpur) – Image Processing, Cyber Security.
N.V. Narendra Kumar, Ph.D. (TIFR) - Design, Modelling, Security Analysis of Systems including Operating Systems, Payment Protocols and Mobile Apps
P. Shyam Kumar, Ph.D. (Pondicherry) - Cloud Computing, Virtualization, Cryptography, Internet of Things, Big Data, Internet Technologies & Compiler Design.
Nagesh B. Sristy, Ph.D. (NIT Warangal) - Machine Learning, Data Mining, Big Data Analytics, Text Analytics, Database Systems, Distributed Systems
Abhishek Thakur, Ph. D. (BITS-Pilani), M.S.(Capella University, Minneapolis, USA) B.E. (Roorkee).

Faculty of CR Rao AIMSCS
Dr Ashutosh Saxena
Sirisha Velampalli, Ph.D. (Computer Science, JNTU Kakinada) - BigData, Software Engineering, Mathematical Modeling
Pradeepthi KV Ph.D. (Computer Science, Anna) - Cyber Security, Machine Learning, Computer Networks
Padmavathi G Ph.D (Mathematics, JNTU Hyderabad), Cryptography and Cryptanalysis
Appal T Naidu, Ph.D. (Computer Science, JNTU, Hyderabad) – Discrete Mathematics, Algorithms, Cryptography
Priyanka Mekala Ph.D. (Electronics Communications, Florida International University USA), VLSI, Embedded system.
Ashutosh Saxena Ph.D. (Computer Science, DAVV Indore), PDF (QUT Australia) - Information Security, Cryptography

Assistant Professors
Dr Pradeepthi K V, Ph D (CSE)
Dr Sirisha V, Ph D (CSE)
Dr G Padmavathi G,
Dr M Priyanka Reddy

Visiting Professors
Dr. Rajkumar Buyya, University of Melbourne, Australia
Dr. Andre Rossi, Université d'Angers, France

SCHOOL OF PHYSICS

The School of Physics is a centre of excellence for multi- disciplinary and interfacial research and teaching in diverse fields that range from nano-sciences and cold atoms to cosmology, and from photonics, quantum field theory, spintronics, and particle physics to complex systems. The School has been selected by the UGC as a Centre for Advanced Study (CAS) Level II to strengthen its teaching and research programmes. It has obtained level II funding under the FIST scheme of DST in a nationwide competition. The DST has recognized the School as one of the five founding centres in the country for Theoretical Physics Seminar Circuit (TPSC). The School has been acknowledged as a 'Centre of Excellence' by the Third World Academy of Sciences, Trieste, Italy. It has won recognition by UGC to establish the Networking Resource Centre (NRC), which promotes various outreach programmes to upgrade teaching and research through interaction with researchers from colleges and educational institutions across the country. The faculty of the School have research collaborations with many institutions both in India and abroad, such as the ongoing ones with Fermilab, on neutrino experiments, and discussions with CERN for compact muon solenoid experiments.

The School of Physics has developed high-quality teaching programmes at the Integrated M.Sc., M.Sc., and Ph.D. levels with a student-teacher ratio that is favorable for individual attention.

The School offers active research programmes to train Ph.D. scholars and has gone on to achieving national and international recognition in areas that include condensed matter physics, high-energy physics (experiment and theory), quantum field theory, cosmology, gravity, nonlinear optics, quantum optics, laser physics, nanoscience, and electronics science. In particular the areas of research include critical phenomena, liquid crystals, thin films, ion beam physics, semiconductors, nanostructured materials, quantum dots, cold atoms, quantum field theory, heavy flavor phenomenology, gravitational waves, neutrino physics, experimental high energy physics, quantum computing, high Tc superconductivity, shape formation in metals and ceramics, magnetism, modern quantum optics, femtosecond laser experiments, ferroelectrics and microwave devices, experiments and computational studies on soft and active matter, biological matter and Photonic Crystals

Prof. V. Seshu Bai is the Dean of the School.

Programmes of Study

The School offers **I.M.Sc. (Physics)**, **M.Sc. (Physics)**, and **Ph.D.** programmes.

I.M.Sc. (Physics) – a 5-year Integrated course: This programme is of five years (10 semesters) duration with an exit option in three years, with a B.Sc. degree. The Physics courses taken by the students in the first six semesters include Mechanics, Vibrations and Waves, Electricity, Magnetism and Electromagnetic Theory, Properties of Matter, Kinetic Theory and Thermodynamics, Optics, Modern Physics and Atomic and Molecular Physics. In addition, the corresponding laboratory courses are also run during all the semesters to complement the classroom teaching and strengthen the students' understanding and application. The teaching lays an emphasis on tutorials and problem-solving. In the subsequent four semesters, the I.M.Sc. student follows the course work offered in the standard M.Sc. programme.

M.Sc. (Physics) –The first three semesters cover the fundamentals of the subject. The courses taken by all the students include Classical Mechanics, Quantum Mechanics, Mathematical Methods, Electrodynamics, Statistical Mechanics, Introductory Particle Physics, Introductory Solid-

State Physics, Introductory Optics and Laser Physics, Atomic and Molecular Physics, Computer Applications and Electronics. Besides ensuring a strong Physics foundation through class room teaching, laboratory courses in Electronics, Solid State Physics, Digital Electronics, Laser Physics, Microwaves, Modern Physics, Nuclear and Particle Physics are also a part of the curriculum. There is a strong emphasis on problem-solving and learning experimental techniques. In the fourth semester, the students choose electives from a wide range of specialization courses. All students are eligible to do a project work with any of the faculty of the School in the fourth semester. Students who do not opt to do a project will have to acquire equivalent credits by taking other courses offered by the School.

Ph.D. (Physics): All students admitted into the Ph.D. programmes are required to undergo course work. Satisfactory completion of prescribed course work with at least 50% marks is a prerequisite for confirmation of Ph.D. registration. The research programme following course work comprises the student undertaking research under the supervision of a faculty member, and on a topic approved by the School. The student is required to show satisfactory progress throughout the period of research as well as fulfill other requirements prescribed by the School. Such progress is monitored every semester by a Doctoral Research Committee (DRC). Apart from the course work, the Ph.D. requirements are the submission of research results in the form of a thesis, at least one research paper in UGC-CARE listed journals and defense of the thesis in an open viva-voce examination.

Entrance Examination

M.Sc (Physics)

The entrance test for M.Sc. (Physics) will mainly be in Physics (Mechanics, General properties of matter, Heat and thermodynamics, Wave motion, Electricity and magnetism, Light, Modern physics, Electronics and Measurements) and Mathematics (Algebraic equations, Differential and Integral calculus including limits, Vectors, Matrices and Determinants, Elementary differential equations and Elementary functions and their graphs).

Ph.D (Physics)

Admission to Ph.D. in Physics is based on a written test and interview. The written test is compulsory for all students including those who have cleared UGC-CSIR NET, GATE, JEST or equivalent National level exams. Appropriate weightage for clearing the above-mentioned National-level exams will be given at the interview. Appropriate weightage will also be given for project / thesis work done at the Masters level either as a part of the curriculum or afterwards. The framework for test and interview will be as per the UGC Regulations, 2016 vide notification dated 5th May 2016. A part of the test will be based on the standard M.Sc. syllabus of Indian Universities including:

Classical Mechanics, Relativity, Thermodynamics and Statistical Mechanics. Electromagnetic Theory, Quantum Mechanics, Modern Physics, Condensed Matter Physics, Nuclear and Particle Physics, Optics, Electronics, Mathematical Physics and Experimental Techniques.

The written test will consist of objective type questions. A part of the written exam will be on research methodology to assess the acumen of the student for research. This test is a qualifying one by 2016 UGC regulations. Those who qualify in the written exam will be called for an interview on the basis of their performance.

Faculty

Senior Professors

Bindu A. Bambah, Ph.D. (Chicago) –Quantum Field Theory, Neutrino Physics, Quantum Entanglement– Theoretical Physics, Experimental Neutrino Physics, High Energy Cosmology, Women in Science (T)

V. Seshu Bai, Ph.D. (I.I.T. Madras) - Condensed Matter Physics (E), Superconductivity, Intermetallics, Rapid Prototyping and Gelcasting of Ceramic & Metallic Components (E) **(Dean)**

Ashok Chatterjee, Ph.D. (IACS, Jadavpur) – Condensed Matter Physics (T) – Low-dimensional Systems, Strongly Correlated Systems, Superconductivity (T)

Professors

M. Sivakumar, Ph.D. (University of Madras) - Quantum Field Theory (T), General Relativity, Physics Education.

Guruswamy Rajaram Ph.D. (TIFR, Mumbai) - Micro-electronics, Device Fabrication (also in CASEST)

P. K. Suresh, Ph.D. (CUSAT, Cochin) - Cosmology (T)

K. C. James Raju Ph.D. (IIT Madras) Materials, Devices, Simulations and Measurement Techniques for Microwave and THz frequency range, Micro-machined Sensors, Ferroelectric Thin Films, Laser – Matter Interactions for material processing, Nano Electronics and Condensed Matter Physics. (also in CASEST)

M. Ghanashyam Krishna Ph.D. (I.I.Sc.) - Nanostructured Materials, Thin Films, Sensors and Devices. (also in CASEST)

P. Anantha Lakshmi, Ph.D. (UoH, Hyderabad) – Quantum Optics, Cavity Optomechanics, Quantum Information (T)

Suneel Singh, Ph.D. (UoH, Hyderabad) - Quantum Optics, Non-linear Optics (T)

Nirmal K. Viswanathan, Ph.D. (UoH, Hyderabad) – Singular Optics, Optical Angular Momentum, Spin-Orbit Interaction of Light and Near- Field Optics (E)

Rukmani Mohanta, Ph.D. (Utkal University) -High Energy Physics, Heavy Flavour Physics, Neutrino Physics (T)

S. Srinath. Ph.D. (UoH, Hyderabad) - Condensed Matter Physics, Magnetic nanostructures. Multilayers/thin films, Magnetic oxides, Multiferroics (E)

E. Harikumar, Ph.D. (UoH. Hyderabad) - Quantum Field Theory and Gravity (T)

Surajit Dhara, Ph.D. (RRI, Bangalore) – Soft Matter and Living Systems, Soft Matter Photonics (E & T)

Samrat L. Sabat Ph.D. (Berhampur) (Head, CASEST) - Digital Signal Processing, Cognitive radio network, VLSI Signal Processing. (also in CASEST)

S. V. S. Nageswara Rao Ph.D. (University of Hyderabad) - Electronic Materials and Devices: Design, Fabrication, Ion beam studies, Radiation damage and Reliability studies. (also in CASEST)

B. V. R. Tata Ph.D. (University of Madras) - Soft Condensed Matter and Photonic Crystals (Experiments & Simulations)

Sharath Ananthamurthy, Ph.D. (The University of Iowa) - Soft Condensed Matter, Biophysics, Optics, Laser Spectroscopy (E)

Vemuru Subrahmanyam, Ph.D. (TIFR, Bombay) – Theoretical Condensed Matter Physics, Strongly-correlated Systems, Quantum Entanglement and Information (T)

Associate Professor

Ashoka S. Vudayagiri, Ph.D. (UoH, Hyderabad) – Quantum Optics. Laser Cooling, Quantum Information, Ferrofluids (E)

G. Vaitheeswaran, - Ph.D. (Anna University, Madras), Solid state theory, Material science, Magnetism, Superconductivity, High Pressure Studies, elastic and mechanical properties investigated using first principles density functional calculations (DFT). (T).

P. Manimaran, Ph.D. (UoH, Hyderabad) - Computational Physics, Complex Systems, Network Science, Computational Biology (T).

P. Prem Kiran, Ph.D. (UoH, Hyderabad) Laser - matter interaction, Spatio-temporal evolution of laser induced plasmas and shock waves; Propagation of Ultra short, intense femtosecond pulses in transparent media; Nonlinear Optics; Laser Shock Peening (Experiment and Simulations).

Assistant Professors

Soma Sanyal, Ph.D. (IoP, Bhubaneswar) - Cosmology, Heavy-ion Collisions (T)

A. Rajani Kanth, Ph.D. (University of Tsukuba, NIMS - Japan) – Spintronic Devices (E)

Venkataiah Gorige, Ph.D. (Osmania University, Hyderabad) - Condensed Matter Physics, Magnetic Materials & Multiferroics, Electric field control of Magnetism (E)

Shyamal Biswas, Ph.D. (IACS, Kolkata) - Statistical & Condensed Matter Physics (T)

Barilang Mawlong, Ph.D. (UoH, Hyderabad) – Theoretical High Energy Physics (T)

N. Sri Ram Gopal, Ph.D. (Tulane University, New Orleans) Ultrafast Spectroscopy, Laser Surface Patterning (E)

Jayeeta Lahiri, Ph.D. (University of South Florida, Florida) – Experimental Condensed Matter Physics, Surface and Material Science (E).

Abhiram Soori, Ph.D. (Indian Institute of Science, Bengaluru) – Condensed Matter Physics (T)

Yalla Ramachandrarao, Ph.D. (University of Electro-Communications, Tokyo, Japan) - Quantum Optics, Cavity Quantum Electrodynamics, Nano-photonics, and Diamond Nano-photonics (E)

Emeritus Faculty/ Fellow/ Scientist

A. K. Bhatnagar, Ph.D. (Maryland) - Materials Science (E), (NASI Honorary Scientist)

A. P. Pathak, Ph.D.(I.I.T. Kanpur), F.N.A.Sc .. F.Inst.P. (London), C.Phys. - Atomic Collisions in Solids, Radiation Damage, Surface Physics, Super lattices & Heterostructures (T & E), (NASI Senior Scientist Platinum Jubilee Fellowship)

S. N. Kaul, D.I.I.T., Ph.D. (I.I.T. Kharagpur), F.N.A., F.A.Sc., C.Phys., F.Inst. P (London) – Condensed Matter Physics, Phase Transitions. Magnetism, Critical and Re-entrant Phenomena (E) (INSA Honorary Scientist)

C. Bansal, Ph.D. (TIFR, Bombay) - Condensed Matter Physics, Phase Transformations, Mossbauer Spectroscopy, Nanomaterials (E) (UGC Emeritus Professor).

Honorary Professors
D. Narayana Rao, Ph.D. (I.I.T. Kanpur) - Non-linear Laser Spectroscopy (E)

Vipin Srivastava, Ph.D. (Roorkee) - Condensed Matter Physics, Neural Networks, Brain Function Modeling (T).

S. Dutta Gupta, Ph.D. (Moscow) – Quantum Optics, Nonlinear Optics, Plasmonics, Nano Optics (T).

Centre for Advanced Studies in Electronic Science & Technology (CASEST)

The Centre for Advanced Studies in Electronics Science and Technology (CASEST) is a successor to the DoE/UGC Electronics Programme initiated in 1995-96 to carry out research and teaching in Electronics Science. The Centre is supported by the UGC's Special Assistance under DRS-1. The Centre offers three programmes: Master of Technology in Integrated Circuits Technology [M.Tech. (ICT)], Master of Technology in Microelectronics & VLSI Design [M.Tech. (MVLSI)], and Ph.D. in Electronics Science and Engineering

M.Tech. (Integrated Circuits Technology): It is a two-year (4-semester) AICTE approved programme. The first two semesters are devoted to course-work, and the next two semesters are devoted to master's thesis work. Students have the option to do their master's thesis within the University or Industry or R & D Labs in relevant area. For all candidates carrying out thesis work in Industry or R&D Labs, there will be two supervisors: one from the respective Lab/Company and the other from CASEST, University of Hyderabad. Currently, the course work offered by CASEST covers theory and laboratory courses in Analog, Mixed-Signal, Digital, RF CMOS IC Design, Microwave-RFIC, MEMS, Semiconductor Devices and Microelectronics fabrication. The laboratory courses cover Design, Simulation, Fabrication, Testing and Validation of Devices, Integrated Circuits by using state-of-the art EDA Tools, Technologies and Techniques.

Admission:

M.Tech (Integrated Circuits Technology) Regular Mode (With valid GATE score: 18 Seats): Eighteen regular seats are available for candidates who have a valid GATE score in Electronics and

Communication Engineering / Instrumentation Engineering / Physics along with **60 % or equivalent aggregate marks in EITHER**

A. B.E/B.Tech. in. Electronics, Instrumentation and Control Engg/ Electronics and Communication Engg/ Electronics and Control systems/ Electronics and Information Systems**/** Electronics and Instrumentation/ Electronics Engineering/ Electronics Science and Engineering/ Electronics Technology/ Instrumentation**/**Instrumentation & Electronics Engg./ Instrumentation & Control Systems/ Instrumentation Technology.

OR

B. M.Sc in Electronics/ Electronics and Communication**/**Engineering Physics & Instrumentation/ Physics(with Electronics as one of the Subjects) / Radio physics**/**Radio Physics & Electronics**/**Applied Electronics

Admission in M.Tech IC Technology regular mode is based only on the GATE scores in the order of merit in one of the following: 1) Electronics and Communication Engineering, 2) Instrumentation Engineering and 3) Physics. There is no written test or interview for admission to this course.

M.Tech. (Integrated Circuits Technology) Sponsored Mode (Without GATE Score:12 Seats): In addition to regular mode, twelve seats are available for candidates with minimum three years of experience in Govt. R&D Labs/Public Sector Units/Publicly Listed Companies and sponsored by their parent organizations. Shortlisted candidates based on marks in the qualifying degree in the order of merit will be called for the interview and the admission will be based on the performance in the interview according to merit. **The educational qualification requirements are same as regular mode M.Tech. (Integrated Circuits Technology) except for GATE score**. The sponsored applicants have the option to do their one year M.Tech Thesis work in their respective Lab/Company. The duration for completing the course for sponsored candidates will be the same as for regular candidates. Eligible candidates who wish to apply under sponsored category need to send a hard copy of their application, (in addition to online application) with "SPONSORED CATEGORY – M.Tech (ICT)" clearly marked on the top of the first page of the application, along with the sponsorship certificate from the organization to The Controller of Examination, University of Hyderabad, Prof. C.R. Rao Road, Gachibowli, Hyderabad-500046 before the last date. The course fees for sponsored category is Rs.50,000/- (Fifty thousand rupees) per semester.

M.Tech. (Microelectronics & VLSI Design): It is a two-year (4-semester) programme. The first two semesters are devoted to course-work, and the next two semesters are devoted to master's thesis work. Students have the option to do their master's thesis within the University or Industry or R & D Labs in relevant area. For all candidates carrying out thesis work in Industry or R&D Labs, there will be two supervisors: one from the respective Lab/Company and the other from CASEST, University of Hyderabad. The course of this program covers theory and laboratory courses in Analog, Mixed-Signal, Digital, RF devices and circuits, VLSI Signal processing, Wireless Communication IC Design, Microsystems Modeling and Design, MEMS and THz Technology, Devices and Microelectronics fabrication. The laboratory courses cover Design, Simulation, Fabrication, Testing and Validation of Devices, Integrated Circuits by using state-of-the art EDA Tools, Technologies and Techniques.

Admission:

M.Tech. (Microelectronics & VLSI Design) Regular Mode (Without GATE Score: 12 Seats-regular mode): Admission to this program does not require GATE score and will be based on a written examination conducted by the University of Hyderabad as per the schedule mentioned in the prospectus. Candidates shortlisted based on their performance in the written examination will be called for an interview. The admission will be based on the combined performance in the written examination and interview according to merit. The written examination will be of objective type. It will include questions from the standard B.E/B.Tech syllabi of Indian Universities in the areas of

Electronics & Communication Engineering, Instrumentation Engineering/ Electronics Engineering. The candidates admitted to this program are not entitled for any fellowship from AICTE/University even if they have a valid GATE score**.**

Educational Qualification: A minimum 60 % or equivalent aggregate marks in B.E/B.Tech in Electronics and Communication Engineering/ Electrical and Electronics Engineering/Electronics and Instrumentation Engineering/Electronics Engineering. (Please see table in Chapter **2** for eligibility criteria).

M.Tech. (Microelectronics & VLSI Design) slow-pace mode (06 seats):

In addition to regular mode, six seats are available as slow-pace mode for candidates employed in (i) listed company in any stock exchanges in India or (ii) Corporate Social Responsibility (CSR) company (Ministry of Corporate Affairs has notified Section 135 and Schedule VII of the Companies Act as well as the provisions of the Companies (Corporate Social Responsibility Policy) Rules, 2014 (CSR Rules) which has come into effect from 1 April 2014 and certain amendment in May 2016.) or (iii) National research laboratories (DRDO,CSIR,ISRO, DAE, DBT,DST,MeiTy etc) .

Educational Qualification: A minimum of 60 % or equivalent aggregate marks in B.E/B.Tech in Electronics and Communication Engineering/ Electrical and Electronics Engineering/Electronics and Instrumentation Engineering/Electronics Engineering. (Please see table in Chapter 2 for eligibility criteria).

Admission: Shortlisted candidates based on marks in the qualifying degree in the order of merit will be called for an interview and the admission will be based on the performance in the interview only, according to merit. Reservation policy as per the govt of India rules will be applied.

Course Duration: In this mode, an admitted candidate needs to complete all the credits (100 credits) of M.Tech (Microelectronics & VLSI Design) within four years of their admission, extendable by one year with due permission from the University with valid reasons. The candidates have the option to do their one year M.Tech Thesis work in their respective Lab/Company.

Semester registration and fees: A candidate admitted under slow pace category need to register for minimum two theory courses in a semester until all theory courses are completed. The fees for the slow pace category candidate is Rs. 5000/- (Rupees five thousand only) per credit per semester including all other fees as per the University guideline.

Attendance: The attendance requirement for theory courses is as stipulated (75%) as per University rules. For laboratory courses, flexibility in timings may be allowed.

Examinations: The slow pace category candidates will write examinations along with the regular M.Tech (Microelectronics & VLSI Design) students. There will be no flexibility in scheduling the examinations.

Hostel Accomodation: The candidates admitted under slow pace category are not entitled for University hostel accomodation.

The candidates admitted to this program are not entitled for any fellowship from AICTE/University even if they have a valid GATE score.

Eligible candidates who wish to apply under slow-pace category need to (i) apply online for the course M.Tech (Microelectronics & VLSI Design) (ii) take printout of the online filled form (iii) Send the hardcopy of the filled printed applicaion form along with the valid certificate indicating proof of employment in a listed company/CSR company/National research lab, to The Controller of Examination, University of Hyderabad, Prof. C.R. Rao Road, Gachibowli, Hyderabad-500046, such that it should reach the Controller of Examination office within 15 days of the last date of

filling the online application, failing which it will be rejected. The candidate needs to clearly write "SLOW-PACE CATEGORY – M.Tech (MVLSI)" on the top of the first page of the application and the envelope.

Ph.D. (Electronics Science and Engineering) (**02 Seats for AY 2020-21**): It is a research program covering areas such as Semiconductor Devices, Thin Film Devices, Tunable Microwave Devices, Sensors, Signal Processing etc,. The proposed intake is two for the academic year 2020-21.

Admission to Ph.D program: The University will conduct a written examination, following the written examination; candidates will be shortlisted for interview based on merit in the written examination. The admission to selected students will be based on the combined performance in the written examination and interview according to merit. UGC/CSIR JRF qualified candidates are not exempted from the written test.

All admitted Ph.D students will have to successfully complete the course work as stipulated by the University of Hyderabad regulations. Further details are available at the following link http://casest.uohyd.ac.in

Break-up weightages for Ph.D. interviews

Sl.No	Wightage being considered	Marks
1	Research Proposal and its defence	5
2	a. UGC/CSIR JRF OR b. UGC NET (Lectureship)	5 OR 3
3	Interview	20
	Total	30

Faculty

Professors

Guruswamy Rajaram Ph.D. (TIFR, Mumbai) Micro-electronics, Device Fabrication

K. C. James Raju Ph.D. (IIT Madras) Materials, Devices, Simulations and Measurement Techniques for Microwave and THz frequency range, Micro-machined Sensors, Ferroelectric Thin Films, Laser –Matter Interactions for material processing, Nano Electronics and Condensed Matter Physics.

M. Ghanashyam Krishna Ph.D. (I.I.Sc.) Nanostructured Materials, Thin Films, Sensors and Devices

Samrat L. Sabat Ph.D. (Berhampur) **(Head)** Digital Signal Processing, Cognitive radio network, VLSI Signal Processing

S. V. S. Nageswara Rao Ph.D. (University of Hyderabad) Electronic Materials and Devices: Design, Fabrication, Ion beam studies, Radiation damage and Reliability studies.

Associate Professor

VijayaSankara Rao Pasupureddi Ph.D. (IIT Kharagpur) Analog, RF and Mixed-Signal Integrated Circuits and Microsystems.

Assistant Professors

PratapKollu Ph.D. (Chungnam National University, South Korea) Nanomagnetic sensors and materials, 2D Materials, Lab on-chip biosensors.

Bhawna Gomber, Ph.D (Saha Institute of Nuclear Physics) Experimental High energy physics, Trigger Electronics, Algorithm development and Signal processing.

Anjali Priya, Ph.D.(MNNIT Allahabad) Semiconductor Devices, VLSI Design, Nanoscale Device Modeling and Simulation

Ph.D. vacancies and areas for supervision

Sl.No	Faculty name	Research area	Vacancies
1	Prof. S. V. S. Nageswara Rao	Electronic Materials and Devices: Design, Fabrication, Ion beam studies, Radiation damage and Reliability studies	01
2.	Dr. Pratap Kollu	Nanomagnetic sensors and materials, 2D Materials, Lab on-chip biosensors	01

Advanced Centre of Research in High Energy Materials (ACRHEM)

ACRHEM-Advanced Centre of Research in High Energy Materials, a DRDO centre of excellence, came into existence with a memorandum of Collaboration (MOC) signed between Defence Research and Development Organisation (DRDO) and University of Hyderabad (UoH) in March 2005. The major objective of the centre is to develop new novel high energy materials (HEMs) for explosives and propellant application and development of explosive detection techniques using ultrafast laser-based spectroscopic techniques. The research at the Centre is interdisciplinary in nature, directed to develop deeper insights into the design of new energetic materials based on quantum chemistry principles, synthesis and development of new HEMs, development of energetic binders, oxidizers, nanomaterials and nanothermites, LASER based technologies for detection and discrimination of HEMS, LASER - mater interactions and theoretical studies on solid state properties of HEMs.

The chemistry research facilities are supported by four state of the art wet chemistry laboratories to deal with HEMs. The wet laboratories are developed with inputs from HEMRL (Pune) and VSSC (Trivandrum), the two leading laboratories working in the area of HEMs for a long time. About 30 chemistry researchers work full time for the Centre. The Centre has in-house facilities for characterization of intermediates and final products of chemical reactions and also to evaluate the sensitivity of newly developed HEMs. The characterization facilities include Liquid chromatograph coupled high resolution mass spectrometer (LC-HRMS), FTIR, UTM, Fluorimeter, DMA, TG-DTA, DSC, UV-Vis-NIR spectrophotometer, Combustion Calorimeter, Pycnometer, Viscometer, etc., and being augmented with solid state NMR, single crystal XRD, CHNS/O analyser etc.

ACRHEM provides high-quality teaching with student-faculty ratio highly favourable for individual attention. The Centre has various ongoing research programmes both in experimental and

theoretical fields to train Ph.D. scholars in fundamental as well as applied areas of Physics and Chemistry processes involved with HEMs. The following broad areas of research are being pursued at ACRHEM: Design of novel HEMs; Synthesis of novel HEMs; Synthesis of green oxidizers; Synthesis of energetic binders and plasticizers; Synthesis of nanomaterials and development of nanostructures; Development of nanothermites; Computational modelling of chemical kinetics of HEMs; Computational Physics,; THz generation/characterization and spectroscopy, Surface Plasmon characterization and applications; Laser induced shock wave generation and characterization; Numerical simulations of laser induced shock waves; Time and spatially resolved spectral analysis under extreme conditions; Development of instruments and technology to observe, measure, by ultrafast measurement techniques the processes involved in the HEM applications; Detection of HEMs using LIBS, THz, Raman, CARS, SERS, Photoacoustic techniques; Polymer Sciences involving HEMs; Density functional study of HEMs involving electronic structure and mechanical property calculations; Modelling the physics of the release of energy by HEMs; Material Sciences of HEM;
More details can be found at www.acrhem.org.

ACRHEM faculty, scientists and students have accomplished several national and international honours such as Fellow of the Institute of Physics, UK; Senior Members of the OSA, IEEE, SPIE; MRSI medal; B.M. Birla Science Prize; DAE Young Achiever award; NASI-SCOPUS young scientist award; Fellow of the Telangana Academy of Sciences; Dalmia-HEMCE award; Chancellor's award of the UoH; K.V. Rao Young Scientists etc.. Some of the Ph.D. students of ACRHEM have been placed in prestigious institutes abroad as post-docs and as faculty members in IIT Kanpur and NIT Kurukshetra.

Infrastructure
ACRHEM has state-of-the art laboratory facilities with advanced equipment required to carry out research in all the major areas of our expertise, in addition to being able to access other infrastructure from the University pool. More details of the **facilities of the Centre** are available on our website.

Computer & Library Facilities:
The Centre also possesses EXPLO5 ver. 6.03 Thermokinetic Code for Explosive/Combustion Property Calculations. Access to the University's CMSD / HPCF computer facility is additionally available for simulation work.

The Centre has a highly specialized library which houses books on a range of subjects relevant to the fields of research of its faculty and research scholars. In addition, access is available to a large number of books and journals through the University's Indira Gandhi Memorial L ibrary.

Faculty

Dr. V. Kameswara Rao, Ph.D. (IIT Madras-Chemistry) M.C.A (IGNOU, New Delhi).High Energy Materials, Gas Sensors, Biosensors, Nanomaterials, Adsorption Materials, Electrochemistry **(Director)**

Professors
Prof. S. Venugopal Rao, Ph.D. (Hyderabad) – Ultrafast Laser Spectroscopy, Ultrafast Ablation, Femtosecond Laser Induced Breakdown Spectroscopy, Laser Direct Writing, Surface Enhanced Raman Spectroscopy, Ultrafast Nonlinear Optics, Explosives Detection Techniques. (Experiment)

Prof. A.K. Chaudhary, Ph.D. (Burdwan) - Laser Spectroscopy and Nonlinear Optics. (Experiment)

Dr. G. Manoj Kumar, Ph.D. (Hyderabad) - Laser induced breakdown spectroscopy, Raman spectroscopy, Design and development of experimental methods for detection of hazardous materials, Multivariate statistical analysis of spectroscopy data. (Experiment)

Project Scientists

Dr. Sree Harsha Srikantaiah, PhD (Oklahoma State University, USA) Terahertz spectroscopy, Terahertz imaging, Terahertz waveguide sensors for explosives, Ultrafast laser pulse propagation and characterization, Ultrafast filamentation, Optical methods for Remote sensing. (Experiment)

Dr. Balaka Barkakaty, PhD (Okayama University, JAPAN) Polymers and Plasticizers – Synthesis and Applications, Green Chemistry, Development of Stimuli-Sensitive Smart Nano-Materials, Methods for development of environment friendly sustainable methods and materials through Chemistry. (Experiment)

Dr. Rajasekhar Koorella, Ph.D. (IICT, Hyderabad) - Synthetic Organic Chemistry, Asymmetric Synthesis, Synthesis of High Energy Materials, Development of novel synthetic methods. (Experiment)

Dr. Sudha Kumaraswamy, Ph.D. (University of Pune) – Organic synthesis, Inorganic synthesis (Experiment)

Dr. N. Kishore Babu, Ph.D. (University of Hyderabad) Synthetic Organic Chemistry, Development of Novel Synthetic Methods - Organic Small Molecules, Rational Design and Synthesis of High Energy Materials, Synthesis of Precursors for Polymer Synthesis and Asymmetric Synthesis, (Experiment)

Associate Faculty

School of Chemistry

Prof. M. Durga Prasad, Ph.D. (Calcutta) Theoretical Chemistry: Quantum Dynamics and Many-Body Theories (Theory)

Prof. Tushar Jana, Ph.D. (Jadavpur) Polymer and Materials Science (Experiment)

Prof. P.K. Panda, Ph.D. (IISc., Bangalore) Synthesis and Exploration of chemical, biological and material aspects of porphyrinoids (Experiment)

Prof. A.K. Sahoo, Ph.D. (NCL, Pune) Organic synthesis and Organometallic chemistry. (Experiment)

Prof. K. Muralidharan, Ph.D. (IIT, Kanpur) Synthetic main group chemistry and polymers, Nano synthesis (Experiment)

School of Physics

Dr. P. Prem Kiran, Ph.D. (Hyderabad) - Laser - matter interaction, Spatio-temporal evolution of laser-induced shock waves; Propagation of Ultrashort, intense femtosecond pulses in transparent media; Nonlinear Optics. (Experiment and Numerical simulations)

Dr. G.S. Vaitheeswaran, Ph. D. (Anna University) Solid state theory, Material Science, Magnetism, Superconductivity, High-Pressure Studies, elastic and mechanical properties investigated using first-principles density functional calculations (DFT). (Theory)

Dr. A. Vudayagiri, Ph.D. (Hyderabad) Quantum Optics, Laser Cooling (Experiment).

Centre for Earth, Ocean & Atmospheric Sciences (CEOAS)

The Centre for Earth, Ocean and Atmospheric Sciences (CEOAS) was established (formerly as UCESS) at the University of Hyderabad (UoH) in February 2005 to carry out multidisciplinary research and teaching programmes in the areas of Solid Earth, Ocean and Atmospheric Sciences, and processes that connect all three components. The vision of the CEOAS is to achieve an internationally recognized hub of excellence in Earth Science research and education. The Centre's focus is on advancement in understanding of Earth processes, resource exploration for future generations, natural hazards, extreme events in the context of global environmental and climate change. The subject of study at this Centre encompasses dynamics and evolution of the Solid Earth, its natural resources, soils and water systems, environment, physics and dynamics, of oceans and atmosphere, climate variability and change, and its global biodiversity. The Centre's mission is to conduct innovative fundamental and applied research in Earth Sciences in order to open up new understandings of the Solid Earth, Oceans and Atmosphere, Hydrosphere and Biosphere, and the processes that connect them. Further, the curriculum and various courses at the CEOAS are designed in such a way as to train students to evolve into leading researchers in relevant professional organizations, government departments and industries, and also pioneers in the advancement of Earth Sciences knowledge in academia. We also teach a foundation course (Earth and its Interacting Components), which reaches hundreds of students who major in non-geoscience courses every year. This promotes a broader understanding of processes and critical issues linking the Solid-Earth, Oceans, Atmosphere, hydrosphere and biosphere, and their relevance for society.

Recently, the CEOAS has signed MoUs with the Indian National Centre for Ocean Information Sciences (INCOIS) and CSIR – National Geophysical Research Institute (NGRI) for carrying research in mutually interested areas in the field of Earth, Ocean & Atmospheric Sciences, and also utilizing the knowledge of scientists from both institutions for teaching in the university. Besides, the Centre also collaborates with several other reputed national and international academic and research institutions. The UGC has accorded recognition to the Centre, and granted faculty and research grants through their Innovative Research Programme . The Centre is currently in the path of expansion of its infrastructure facilities with funding from DST-PURSE, MoES, DST and DST-FIST.

Programmes of Study

The Centre offers (i) **M.Sc. (2-year)** Programme in Ocean & Atmospheric Sciences, and (ii) **Integrated M.Sc. (5-year**) Programme in Applied Geology. The Centre also offers a **Ph.D.** Programme in Earth, Ocean & Atmospheric Sciences. All Programmes ensure that the man power trained at the Centre has the knowledge and competence to carry our frontline research, and develop cutting-edge Earth Science technologies.

M. Sc. in Ocean and Atmospheric Sciences

This is a four- semester programme open to candidates with a Bachelor's degree in any branch of science, who have studied both mathematics and physics as compulsory subjects at the B. Sc. level, or B. Tech. degree in civil/mechanical/electrical branches. The admission is for both sponsored and non-sponsored candidates. Selection of candidates for admission will be based on their academic qualifications, written test marks and a personal interview. The enrolled students will also have to bear any and all costs towards any oceanographic cruises (travel, accommodation, food, etc.), which will be conducted as a part of their curriculum during the second semester of the programme. The enrolled students must also get their passports ready by the middle of the first semester.

Total number of seats/intake is 10. Both sponsored (sponsoring agency) and non-sponsored candidates will have to pay the fee as prescribed by the University.

M. Sc. (5-year Integrated) in Applied Geology

This is a ten-semester programme open to candidates who have studied science subjects at 10+2 level of education (Intermediate/CBSE/ICSE/HSC or equivalent) with a minimum of 60% marks. The first four semesters of Applied Geology course are common on par with other M.Sc. (5-year integrated programmes) courses. The course not only includes Mathematics as a subject, but also involves significant applications of Mathematics. Therefore, students with Biology background at +2 stage, particularly if they had not studied mathematics after the 10th class, are expected to put necessary efforts to learn mathematics during the first two years of the course.

The total number of seats/intake is 10.

Ph.D. in Earth, Ocean and Atmospheric Sciences

The Centre offers a Ph.D. programme in Earth, Ocean and Atmospheric Sciences, remote sensing, environmental sciences, water resources and closely related areas of other branches of science. PhD seats are advertised as per the requirement and availability with a faculty of the Centre.

The following two major focused themes are identified for multidisciplinary research.

Solid Earth:

Structure, dynamics and evolution of Indian continental lithosphere through time; Archean magmatism, continental growth and tectonics; Geophysical exploration of mineral resources, hydrology, climate records, and natural hazards; Dynamics of oceanic lithosphere: Marine Geophysics, Tectonics, Plate Tectonics, Surface dynamics; High Resolution near Surface Geophysics/ hydrology/ tectonics and climate; Evolution of life through time.

Oceans and Atmosphere:

Seamless dynamical climate prediction, and applications; past (Holocene) and future climate change simulations; tropical climate variability, air-sea-land interactions; scale interaction; dynamical localized extreme event prediction; Observational atmospheric physics; aerosol-cloud-monsoon interactions; modeling of climate; monitoring and modelling of the ocean circulation patterns and its effect on marine life; North Indian Ocean physics and dynamics; remote sensing of oceans and atmosphere.

Infrastructure

The students would be utilizing well-developed state-of-the art facilities of the University of Hyderabad, National Geophysical Research Institute and Atomic Minerals Directorate for Exploration and Research, National Remote Sensing Centre, Indian National Centre for Ocean Information Services, India Meteorological Department Hyderabad, and other national facilities. More details on our infrastructure can be accessed from: GIVE URL

Field work

Students of Integrated MSc in Applied Geology will have to participate in 3-4 weeks geological and structural mapping programmes from 4th semester onwards. The enrolled students will abide costs towards any field work including travel, accommodation, food etc.

Oceanographic Cruise

Students of M.Sc. in Ocean and Atmospheric Sciences may undergo offshore cruise programme of 1-2 weeks duration with an emphasis on ocean and atmospheric data acquisition, marine instrumentation, etc., under the supervision of experts from NIOT, NCAOR, INCOIS, NIO, etc.,

and/or University of Hyderabad. The enrolled students will have to bear any and all costs towards oceanographic cruises including travel, accommodation, food, medical examination, etc. All students MUST have their passports ready by the middle of the first semester to take part in oceanographic cruise immediately after first end-semester examinations.

Activities of the Centre

The activities of the Centre are integrated with the socio-economic development of the region, with need-based interdisciplinary programmes , which benefit both the students and the society.

Projects

The Centre currently executes research projects in Solid Earth including origin of continents, rift initiation and evolution, lithospheric dynamics, resource exploration, crust-mantle evolution, water resources management, geophysical applications in crustal structure and environmental sciences, modelling and inversion techniques, ocean processes, ocean models and climate forecasts, paleoceanography and paleoclimate, Solid Earth dynamics, (funded by CEFIPRA, UPE, DST, UGC, MoES, ISRO, NRB, PURSE grant, etc.).

Outreach programmes

The Centre organizes outreach programmes in management of water resources, Geosciences for sustainable development in the context of global environment and climate change, reclamation and utilization of badlands, environmental management, etc. Geoscience education, popularization of Earth Sciences among school children and the general public.

Workshops/Training Programmes

Apart from 2-year M.Sc. and 5-year Integrated M.Sc. programmes, the Centre organizes workshops/training programmes in Earth, Ocean and Atmospheric Sciences and highly focused short-term refresher courses on enabling cadres to update their knowledge and skills and improve their employment opportunities. Most importantly, the programmes are designed to enhance competence to develop new-cutting edge technologies.

Entrance Examination

Ph.D. in Earth, Ocean and Atmospheric Sciences

Admission to the Ph.D. programme is based on a qualifying written test (weightage = 70%), followed by interview (weightage = 30%). The written entrance examination consists of two sections, PART A and PART B. PART A contains 35 Multiple Choice Questions (MCQ), and PART B contains 35 MCQ. The questions will be covered from the following areas: Geology, Geophysics, Atmosphere and Ocean Sciences (M.Sc., level, PART B); and Research methodology, Quantitative methods, Data interpretation, Aptitude and logical reasoning (PART A). Selection of candidates for admission to PhD programme will be based on their academic qualification, written entrance examination and a personal interview.

Intake for the Ph.D. Course indicating the vacant slots of faculty along with areas for supervision (2020-21)

S. No.	Name of the faculty	Designation	Areas for supervision (2020-21)	Ph.D. vacancies

1	Prof. M. Jayananda	Professor	Early Earth Dynamics, Continental Growth, Crust-mantle Evolution, Petrology, Geochronology and Geochemistry	01
2	Prof. K. Ashok	Professor	Arabian Sea, Physics and Mesoscale Dynamics, Monsoonal and Associated 'drivers', Variability, Change and Prediction. Paleoclimate Modelling.	02
3	Prof. V. Chakravarthi	Professor	Magnetotelluric (or) Controlled source Audio-frequency Magneto-tellurics (CSAMT)	01
4	Dr. S. Srilakshmi	Assistant Professor	Seismics, Seismology	01
5	Dr. V. Kanawade	UGC-Assistant Professor	Aerosol-cloud Interactions, Monsoon Dynamics	01
6	Dr. D. M. Tiwari	UGC-Assistant Professor	Paleoclimatic Reconstructions, Source Rock Geology/Geochemistry	01
7	Dr. A. Ao	Assistant Professor	Metamorphic Petrology, Geochemistry, Geodynamics	01

Additional information :

The PhD seats falling vacant in July session will be filled in January Session (2021)

M.Sc. in Ocean and Atmospheric Sciences

The Entrance examination consists of Multiple Choice Questions (MCQ) in sections PART A and PART B. PART A consists of 25 Multiple Choice Questions (MCQ) and PART B contains 50 MCQ. The questions cover the following areas: Physics, Chemistry, Mathematics and Statistics (B.Sc. level). Selection of candidates for admission to MSc programme will be based on their academic qualification, written entrance examination and a personal interview.

Faculty

The Centre has accomplished faculty with several prestigious awards like Shanti Swarup Bhatnagar, JSPS Fellowship, J.C. Bose National Fellowship, National Science Academy Fellowships, National Mineral Award, National Geoscience Award etc.

Professors

Prof. K.S. Krishna – Marine geophysics, lithospheric dynamics, Tectonics and Plate Tectonics. (Head of the Department).

Prof. M. Jayananda - Solid earth geochemistry including radiogenic isotopes/ geochronology and early earth dynamics.

Prof. K. Ashok – Tropical indo-pacific climate variability prediction and change, Earth System Science.

Prof.V. Chakravarthi – Geophysics (Gravity modelling).

Assistant Professors

Dr. S. Sri Lakshmi – Geophysics (Seismics and modelling).
Dr. Vijay P. Kanawade – Atmospheric and Climate Sciences.
Dr. Devleena Mani Tiwari – Biogeochemistry.
Dr. Aliba Ao - Geology

DST Inspire Faculty
Dr. Mohammad Ismaiel– Marine Geophysics, Mathematical Simulations and Modelling.

Visiting Professor
Prof. A. C. Narayana– Geomorphology, Paleoclimatology and Remote Sensing

Ramanujan Fellow
Dr. Ritima Das

Associate Faculty
Prof. V.S.S. Sastry, UoH
Dr. Maqbool Ahmed, UoH
Dr. Ameen Shaik, UoH

Visiting Faculty
Prof. G. V. R. Prasad, University of Delhi
Prof. A. M. Bhola, University of Delhi
Prof. S.K. Parcha, Wadia University
Prof. D. V. Bhaskara Rao, Andhra University, Visakhapatnam
Prof. R. R. Rao (Rtd.), NPOL, Cochin
Prof. M. S. Sethumadhav, University of Mysore
Prof. R. Nagendra, Anna University
Dr Yamuna Singh, formerly AMD, Hyderabad
Dr. T.R.K. Chetty, (Retd.), CSIR-NGRI, Hyderabad
Dr. P. Francis, INCOIS, Hyderabad
Prof. Nittala Sarma, formerly at Andhra University, Visakhapatnam
Dr. Prasanna Kumar, NIO, Goa
Dr. Y.V. Ramarao, (Retd.), Chief Scientist, IMD, Hyderabad
Dr. K. Hanumantha Rao, NRSC, Hyderabad

SCHOOL OF CHEMISTRY

The School of Chemistry has established itself as one of the leading centres in the country for education and research in chemical sciences. It offers fundamental and advanced courses covering a wide gamut of topics in Chemistry and closely related areas, and comprehensive research training to nurture future scientists, teachers, and technical professionals in the field.

The School has made notable impact at the national and international levels in chemical research. It receives support from funding agencies like the Department of Science and Technology (DST) and the Council for Scientific and Industrial Research (CSIR), New Delhi, international collaborative projects and industrial projects. The School receives support under DST FIST programme at Level II and University Grants Commission (UGC), New Delhi, under the Special Assistance Programme as a Centre for Advanced Studies (Phase III).

A Networking Resource Centre established in the School through dedicated funding from the UGC, operates various outreach programmes to promote chemical education and research at different levels -- undergraduate, postgraduate, doctoral and post-doctoral -- in colleges and Universities across the nation. Teachers and students visit the School for research projects, training programmes and workshops. The only UGC-NRC in Chemistry in the country, it is currently in Phase II.

Prof. Anunay Samanta, is the **Dean** of the school.

Programmes of Study

The School admits students to the **M.Sc.** and **Ph.D.** Programmes. The M.Sc. programme lasting four semesters comprises two foundation courses, 3 courses each in Organic, Inorganic, Physical and Theoretical Chemistry, 2 laboratory courses each in Organic, Inorganic and Physical Chemistry and elective courses. The syllabus lays emphasis on current developments in chemical science. Some unique features of the programme are special courses in Computer Applications, Symmetry and Mathematics, Materials Chemistry, Biological Chemistry and also project work and seminars by each student in Semester IV.

The School also participates in the **M. Sc. (5-year Integrated)** programme run by the College for Integrated Studies (CIS). The entrance examination for this programme is conducted by the CIS. The first two years of the programme are common to all science students; they get a thorough exposure to all branches of sciences. The students move to the School from the third year.

The **Ph.D.** programme is entirely research-oriented in which a student undertakes research under the guidance of a faculty member of the School in an area chosen by the student and approved by the School. Areas where research is being undertaken presently are listed in the School website. Students admitted to the Ph.D. programme carry out course work suited to their academic background and tailored to the demands of their research.

Entrance Examination

M.Sc (Chemistry)
Admission to the M.Sc. programme is based on the performance of the candidate in the written test. Candidates are expected to have a sound knowledge of B.Sc. level general chemistry and basic mathematics. The question paper consists of two parts: Part A (25 marks) and Part B (75 marks). The paper consists of multiple-choice questions and carries negative mark for wrong

answers.

Ph.D (Chemistry)
Admission to the Ph.D. programme is based on a qualifying written test (weightage = 70%), followed by interview (weightage = 30%). The question paper for the written test consists of two parts: Part A (40 marks) and Part B (40 marks); the total will be scaled to 70 marks for final evaluation. Part A consists of 20 questions on research methodology. Part B contains 60 questions (20 each from Organic, Inorganic and Physical Chemistry) at the M.Sc. level, and the candidate is required to answer any 20 questions. All questions are of the multiple-choice type. Students who have qualified in the national level UGC-CSIR examination with a Junior Research Fellowship (JRF) can take exemption from taking the written test, in which case they will be allotted 52.5% marks towards the written test component; if the JRF holders take the written test and score higher, the latter will be considered for the final evaluation.

Admission to the Ph.D. programme and assignment of supervisor for the selected Ph. D. students are done concurrently through a counselling session.

Syllabus for the courses offered by our School:
See the website: http://chemistry.uohyd.ac.in/

Recognition
The faculty of the School have won recognition in the form of prestigious awards and fellowships of various academic bodies at the national and international levels. Our master's students do well in national level competitive examinations and several of them go on to pursue a research career. Many of our alumni occupy important positions in the academia and industry in India as well as abroad.

Infrastructure
The School is equipped with a wide range of sophisticated analytical equipment in keeping with the interdisciplinary nature of the subject today. A list of the major equipment can be accessed from the website.

Additionally, the resources at CMSD, ACRHEM, CIL, and Centre for Nanotechnology of the University are also available to the research groups in the School.

Faculty

Senior Professors

Anunay Samanta, Ph.D. (Jadavpur) - F.A.Sc., F.N.A.Sc., F.N.A. – Electronically Excited Systems: Spectroscopy and Dynamics

K. C. Kumara Swamy, Ph.D. (IISc, Bangalore) F.A.Sc., F.N.A.-Catalytic Organic Transformations, Organophosphorus Chemistry, Synthetic Chemistry (Organic/ Inorganic)

T. P. Radhakrishnan, Ph.D. (Princeton) F.A.Sc., F.N.A.Sc., F.N.A. - Materials Chemistry

Ashwini Nangia, Ph.D. (Yale) F.A.Sc., F.N.A.Sc., F.N.A. – Supramolecular Chemistry, Crystal Engineering, Pharmaceutical Solids (On EOL to NCL, Pune, as Director)

Musti J. Swamy, Ph.D. (IISc, Bangalore) F.A.Sc., F.N.A.Sc. - Biophysical chemistry of membranes and proteins, glycobiology

Abani K. Bhuyan, Ph.D. (Univ. of Pennsylvania) - NMR Spectroscopy, Physics and Biology of Biological Molecules

Susanta Mahapatra, Ph.D. (IIT, Kanpur) F.A.Sc., F.N.A.Sc. - Theoretical Chemical Dynamics, Non-adiabatic Chemistry

Samudranil Pal, Ph.D. (Jadavpur) – Coordination and Organometallic Chemistry

Professors

M. Durga Prasad, Ph.D. (Calcutta) F.A.Sc. – Quantum Chemistry, Many Body Theories and Computational Chemistry

Samar Kumar Das, Ph.D. (IIT, Kanpur) F.A.Sc., F.N.A.Sc. - Functional Inorganic Materials

K. Lalitha Guruprasad, Ph.D. (Osmania) - Protein structure and function; Experimental and Computational

D. B. Ramachary, Ph.D. (IISc, Bangalore) F.T.A.S., F.A.Sc., F.R.S.C. - Synthetic Organic Chemistry, Engineering Asymmetric Organocatalysis, Theoretical Aspects of Organocatalysis and Engineering Multi-Catalysis Cascade (MCC) reactions

Tushar Jana, Ph.D. (IACS, Jadavpur) - Polymer Chemistry and Materials Science

R. Nagarajan, Ph.D. (Madras) - Heterocyclic chemistry and natural products synthesis

Pradeepta Kumar Panda, Ph.D. (IISc, Bangalore) - Bioinorganic, Bioorganic & Supramolecular Chemistry of Porphyrinoids, Porphyrinoids based Materials for Solar Cell & Near Infrared Diagnostics, High Energy Materials

R. Chandrasekar, Ph.D. (Max-Planck), F.R.S.C. - Nano-Photonic Organic Materials and Devices, Single-Particle Microscopy/Spectroscopy

R. Balamurugan, Ph.D. (IIT, Kanpur) - Development of organic compounds for material applications, Synthetic organic chemistry - transition metal and Brønsted acid catalysis, synthetic methodologies and strategies

Akhila Kumar Sahoo, Ph.D. (NCL, Pune) F.N.A.Sc. - C-H Activation, Ynamides, Energy Materials, Organometallics

K. Muralidharan, Ph.D. (IIT, Kanpur) – Nanomaterials, Polymers, Catalysis, High-energy Materials

Viswanathan Baskar, Ph.D. (IIT, Kanpur) – Molecular Clusters & Magnetism

M. Sathiyendiran, Ph. D. (IIT, Bombay) - Organometallic Chemistry

Perali Ramu Sridhar, Ph.D. (IISc, Bangalore) - Synthetic Organic Chemistry, Total Synthesis of Natural Products and Carbohydrate Therapeutics, Glyco-Biology, Synthesis of Peptide Based Drugs and Carbohydrate Vaccines

Associate Professors

Debashis Barik, Ph.D. (IACS, Jadavpur) - Nonequilibrium Statistical Mechanics, Stochastic Processes in Physical and Biological Systems

Srinivasarao Yaragorla, Ph.D. (IICT, Hyderabad) -Organic Chemistry, Allenes, Propargylic systems, C-H functionalization, Annulations, Cascade-Cycloaddition reactions

Assistant Professors

Jovan Jose K V, Ph.D. (Pune) - Developing Methods for Theoretical Molecular Spectroscopy, Theoretical Organic Reaction Mechanisms, Ab Initio Crystal Structure Prediction, Theoretical Studies on Transition Metal Oxides and Sulphides, Folding Pathways Proteins and Computer Aided Drug Designing

Murali Banavoth, Ph.D. (IISc, Bangalore) - Solar Energy Materials and Solar Cells; Functional Materials for Nanoscience and Nanotechnology, Ultrafast Spectroscopy and Photophysics for Donor/Acceptor Interfaces in Solar Energy Materials

Manju Sharma, Ph.D. (IISc, Bangalore) - Computer simulations of soft condensed matter, Nucleation, Carbon capture, water purification

T. Saravanan, Ph.D. (IIT, Madras) - Bioorganic Chemistry, Photo-Biocatalysis, Protein Engineering, Directed Evolution and (Chemo-)Enzymatic Cascade Synthesis of Pharmaceuticals.

Professor (Retired and Re-employed)

D. Basavaiah, Ph.D. (BHU) F.A.Sc., F.N.A. – Organic Chemistry: The Baylis Hillman Chemistry, Chiral Catalysis (Retired & re-employed)

Distinguished Professor

Goverdhan Mehta, Ph.D. (Poona). FRS – Synthetic Organic Chemistry, (University Distinguished Professor & Dr. Kallam Anji Reddy Chair)

Emeritus Professors

M. Periasamy, Ph.D. (IISc, Bangalore), F.A.Sc., F.N.A. – Organic Molecules & Materials for Harvesting Ambient Solar Heat and Stored Solar Heat.

M.V. Rajasekharan, Ph.D. (IIT, Madras) – Coordination Networks, Polyiodides, Magnetic Exchange

Honorary Professor

Kalidas Sen, Ph.D. (IIT, Kanpur), F.A.Sc., F.N.A. – Density Functional Theory, Confined Electronic Systems

SCHOOL OF LIFE SCIENCES

The School of Life Sciences has been established with an emphasis on interdisciplinary teaching and research leading to M.Sc. and Ph.D. Degrees in modern biology, biotechnology, bioinformatics and systems biology.

The School consists of five Departments:

1) Department of Biochemistry
2) Department of Plant Sciences
3) Department of Animal Biology
4) Department of Biotechnology and Bioinformatics
5) Department of Systems and Computational Biology

The details related to the eligibility for admission and mode of selection of the candidates for various academic programmes that includes the two-year M.Sc., M.Tech. and 5-Year Integrated Masters and doctoral programs offered in different disciplines, faculty, and their research specializations in the various departments can be seen as mentioned in their respective web pages maintained by the University of Hyderabad or as mentioned above.

The **School of Life Sciences** is committed towards achieving academic excellence in teaching and research in basic and applied areas. It is one of the most vibrant schools with a lot of academic and educational activities all through the year. The new building of School of Life Sciences, occupied in March 2013, is designed for housing a total number of 65 research laboratories, class-rooms, teaching laboratories, central instrumentation facilities, cell and microbial culture facilities, seminar halls and auditorium. Most of our faculty are well trained in some of the leading national and international laboratories before joining the University of Hyderabad and have won several national and international recognitions. A healthy competitive atmosphere among the academic programs and the faculty resulted in excellence in teaching and research. The faculty are engaged in research and consultancy activities in cutting edge areas of modern biology and biotechnology to answer some of the most challenging questions in biological systems and improve the well-being of humankind, with support from national and international funding agencies as well as biotech/ pharmaceutical industries. Recently, 'Bio-incubator Nurturing Entrepreneurship for Scaling Technologies' (BioNEST) facility was established by the University of Hyderabad on the third floor of the School of Life Sciences with the support from BIRAC of Department of Biotechnology for providing incubation facilities for innovative ideas of faculty and scholars where many of the faculty from the School of Life Sciences are actively involved.

The **infrastructural facilities** of the School have been established with the plan funds of the University Grants Commission (UGC), Department of Biotechnology (DBT), Department of Science and Technology (DST), New-Delhi as well as extra-mural funding attracted by the faculty of the School of Life Sciences. The University Grants Commission upgraded Phase III of UGC-Special Assistance, DSA programme (period 2002-2007) and sanctioned the status of Centre for Advanced Studies (UGC-SAP-CAS-I) in School of Life Sciences for a period of five years (2008-2013). Now each of the Departments are supported by UGC-SAP-DRS1. School also received grants from UGC under University Potential for excellence (UPE Phase I and II) and from DST, New-Delhi under FIST (Funds for Improvement Science and Technology Infra Structure) program.

The facilities include seven state of the art teaching laboratories and centralized high end facilities such as Proteomics-MALDI/MS-MS/TOF-Q, Robotic Crystallization System, LC-MS and GC-MS for Metabolomic Research; Surface Plasmon Resonance, Confocal/Fluorescence Microscope, Super Resolution Microscope, Real-time PCR machine Microarray spotter/analyzer, Next generation sequencing system, Bioruptor, Electroporator, Luminometer, Nano-drop machine, HPLC, FPLC and AKTA PILOT, CD Spectrophotometer, Fluorescence spectrophotometer, Radioactivity facility, Chemidoc-imaging system, , Flow cytometry, Microtome/Ultramicrotome (Tissue sectioning), in vivo imaging for whole cell and animal imaging, Green house facility and Bio-safety Level three facility (BSL3). In addition, the School has access for infrastructural facilities set up at Nanotechnology Center, Centralized Instrumentation Laboratory (CIL) and Center for Modelling, Simulation and Design (CMSD), located within the campus which carry facilities such as Transmission Electron Microscope (TEM), Atomic Force Microscope (AFM) and high end computational facilities.

Several distinguished faculty and scientists have visited the School and lectured at the School of Life Sciences independently or in connection with a seminar/ conference and or under GIAN (Global Initiative on Academic Network) program that is supported by the Ministry of Human Resource and Development (MHRD). This year, Prof Erwin Neher, Nobel laureate in Physiology in Medicine for the year 1991, from Max Planck Institute, Gottingen Germany; Professor Bruce Michael Alberts, the past President of US National Academy of Sciences and Editor in Chief of Science Journal, and Prof. Martin Chalfie, from Columbia University who shared the 2008 Nobel prize in Chemistry, visited the School and delivered lectures. The School conducted several conferences during the year that include International Conference on Reproductive Biology and Comparative Endocrinology; European Union Sponsored Nano3Bio Final Dissemination meeting; International Conference on Biotechnological Aspects of Chitosan and Chitooligosaccharides & 6th Indian Chitin and Chitosan Society Symposium; 8th International Conference on “Photosynthesis and Hydrogen Energy Research for Sustainability – 2017, International Conference on Biology of Yeast and Filamentous Fungi, Science Communication Workshop by The Wellcome Trust/DBT Alliance, “International Conference on Innovations in Pharma and Biopharma Industry : Challenges and Opportunities for Academy and Industry (ICIPBI-2017), Work Shop on Data Science, BioQuest , a conference organized by the students and faculty of the School of Life Sciences, etc.

Many of our School faculty competed to obtain funding from the Ministry of Human Resource and Development under GIAN program and conducted the following courses and workshops on Protein Structure and Drug Discovery; Glycobiology: Role in Biology and Biomedical Relevance; Lipid Signaling in Health and Disease in Plants and Animals, Basics and Therapeutic Applications of Pluripotent Stem Cells Cancer Drug Discovery and Development; Immunologicals in Animal and Human Health; Transgenic Technology, Stem Cells and Regenerative Medicine, Ion Channels and Human Diseases, Systems Biology for Drug Discovery and Personalized Medicine. The workshops and courses were taught by overseas experts coming from US, UK and Germany for a duration of 2-3 weeks to the benefit of our MSc students, research scholars and to people working in the Industry. Recently the School of Life Sciences has signed an MoU with Academia Scinica, Taiwan, for a sandwich Ph.D. program in the frontier areas of biology and with Cornell University for bilateral collaborations in research and development in Biology and Biotechnology.

Prof. S Dayananda, Department of Animal Biology is the **Dean of the School**.

Department of Biochemistry

Funded by DST-FIST and UGC-SAP-DRS programs the Department of Biochemistry is renowned for its teaching programs and cutting-edge research activities. The department offers M.Sc., PhD, and Integrated M.Sc.-PhD programs. The primary aim of these academic programs is to train students to ask important scientific questions as well as providing them with the wherewithal and knowledge for finding the relevant solutions to these problems. We lay special emphasis on analytical and critical thinking, knowledge creation and discovery. Focussed research programs in various fields of modern biology make the department a hub of basic fundamental research and an emerging epicentre for translation research. The research activities in the Department of Biochemistry revolve around the following broad areas: (i) Genome maintenance, organization and expression; (ii) Protein synthesis, homeostasis, structure-function correlation and engineering; (iii) Organelle biogenesis and trafficking of macromolecules; (iv) Intra-cellular communication, cancer biology and stem cell development; (v) Infectious diseases and host-pathogen interactions; (vi) Bioinformatics and computational biology and (vii) Natural and engineered biological sensors, cellular dynamics and imaging.

The students of the department have been achieving high consistently at all the national level examinations. The success rate of our students in the CSIR-UGC examination is between 33-50%. Upon completion of their M.Sc. degree the students are pursuing PhD at premier research institutions across the globe. Similarly the PhD students continue their academic pursuits in the leading research laboratories in the world as post-doctoral fellows. The research output and creativity of our students is a testament to the world class training provided by the department.

Programs of study:

M.Sc. Biochemistry:

This is a four-semester program based on choice based credits system. In addition to crediting several theoretical and laboratory based core courses, a student needs to choose from a wide variety of foundation courses and elective courses. The students also undertake an in-house research project in the final year.

Integrated MSc-Ph.D. Biochemistry and Molecular Biology:

This is a 5-year program extendable up to a maximum of 8 years. During the initial 2 years, students will be involved in an extensive course work, which needs to be completed before continuation to the PhD stream. The course structure is similar but not identical to that of M. Sc. Biochemistry consisting of core courses, foundation courses and elective courses. Students who are unable to secure a minimum of 7.5 CGPA, but are able to pass the minimum prescribed course work, cannot continue for Ph.D., but are offered a path of exiting the course with a degree in M.Sc. Biochemistry and Molecular Biology. The students with an overall CGPA of 7.5 or higher during their 4 semesters of coursework and project may be promoted to PhD stream. They will carry out their work under the supervision of a faculty member and are advised by a doctoral committee. They are required to complete a program of PhD coursework in the first semester of Ph.D. They are also required to actively participate in journal club seminars, research work presentation etc. Publishing research articles in highly reputed journals is a requirement before submission of the thesis work.

Ph.D. Biochemistry:

This is 6 years programme according to UGC regulations. They will carry out their work under the supervision of a faculty member and are advised by a doctoral committee. **During the first semester students will be involved in course work for a total of 12 credits.** The students also need to actively participate in journal club seminars, research work presentation etc. Publishing research articles in highly reputed journals is a requirement before submission of the thesis work.

Entrance Examination:

M.Sc. Biochemistry program:
Candidates who have passed B.Sc. with a minimum of 60% marks in aggregate of science subjects with Chemistry or Biochemistry as one of the subjects are eligible to apply for the admission to M.Sc. Biochemistry. However, the selection is based on their performance in the written examinations conducted at the National level. The paper consists of three parts: Part A, Part B and Part C. Part A consisting of 25 questions, Part B consisting of 45 questions and Part C 15 questions with multiple choices. Questions are drawn from various areas of Biology and Chemistry from the degree level. Part A marks will be taken into account to break the tie, if any, among candidates.

Integrated M. Sc.-Ph.D. Biochemistry and Molecular Biology program:
Candidates who have passed B.Sc. with a minimum of 60% marks in aggregate of Science subjects with Chemistry or Biochemistry as one of the subjects are eligible to apply for the admission to Integrated M.Sc.-PhD Biochemistry and Molecular Biology. However, the selection is based on their performance in the written examinations and **an interview conducted by the department**. The question paper for the written examination will consist of multiple-choice questions from various areas of Biology and Chemistry from the degree level. The paper will test research aptitude as well as subject knowledge of the candidate. The paper consists of two parts with total marks of 70. Qualified candidates will be called for interview.

Ph.D. Biochemistry:
Students having a Master's degree in Biochemistry or in a closely related area, M.Sc. or M. Tech. in Bioinformatics, with at least 55% marks or an MBBS degree with a minimum of 55% marks are eligible to apply. In addition, Ph.D. admission in Biochemistry will be based on an entrance examination and interview conducted by the Department. The question paper of the entrance examination will consist of multiple-choice questions of M.Sc. standard drawn from different areas of Biochemistry and Life Sciences. The paper will test research aptitude as well as subject knowledge of the candidate. The paper consists of two parts with total marks of 70. Qualified candidates will be called for interview. JRF holders are exempted from taking the entrance test and will be given 35 marks for the test. However, they may write the exam if they wish and in that case the higher of the two scores will be considered. Unfilled seats would be filled in January 2021 session. However, this will be open to JRF holders only.

Faculty

Senior Professor:
N. Siva Kumar, Ph.D. (CFTRI) FAS-AP - Glycobiology, Protein biochemistry, Cell and Molecular Biology, Structure function relationships of plant, animal lectins and glycosidases**. (Coordinator UGC-SAP-DRS-1)**

Professors:

Krishnaveni Mishra, Ph.D. (CCMB) –Nuclear architecture in gene regulation, genome stability and interorganellar communication. Protein SUMOylation in gene regulation and genome stability and anti-fungal target. **(Head of the Department)**
Naresh Babu V Sepuri, Ph.D. (UoH) – Mitochondrial redox homeostasis, the role of mitophagy and biogenesis in aging using animal, cell culture and yeast model systems.
Mrinal Kanti Bhattacharyya**,** Ph.D. (TIFR) – Biochemical, cellular and molecular basis of parasitism of human malarial parasite: Genome stability and organization; genetic and epigenetic control of virulence gene expression; telomere dynamics in gene silencing.
Sharmistha Banerjee, Ph.D. (CDFD) – Molecular pathogenesis and immunology of HIV, Mycobacterium tuberculosis (M.tb) and M.tb-HIV co-infection.
Gutti Ravi Kumar**,** Ph.D. - (IARI) - Stem Cell Biology, Developmental Biology, Signal transduction, Epigenetics, Gene Regulation, Apoptosis, Molecular and translational medicine.
Bramanandam Manavathi, Ph.D. (SKU) – Cancer Biology: Molecular basis of Tumor Heterogeneity and Metastasis.

Associate Professor:
Akash Gulyani, PhD (IISc, Bangalore) – Cellular dynamics and imaging, Biosensors for protein activity and cell signaling, fluorescent probes for mitochondrial activity and cell state, Natural light sensing and processing, photoreceptors, Eye-brain Regeneration

Assistant Professors
Seema Mishra,Ph.D (NII) Computational Biology and Systems Biology of diseases
Mohd. Akif**,** Ph.D. (CDFD) - Structural Biology, X-ray Crystallography. Structural and functional characterization of biologically important proteins
Santosh Kumar Padhi**,** Ph.D. (IIT-Madras), - Biocatalysis, Protein engineering, Enzymes for organic/asymmetric synthesis, Engineering enzymes for synthesis of pharmaceutical intermediates, lipid modification and industrial applications
P. Anil Kumar**,** Ph.D. (NIN) - Importance of nuclear transcriptional factors (HIF1, ZEB2, and WT1) in kidney disease development. Role of the embryonically active events in adult kidney disease. Characterization of obese mouse models to determine the critical role of metabolism in kidney disease.
Shashi Kiran, Ph.D. (CDFD) - Protein ubiqutination and deubiquitination in cellular processes and disease, HPV induced oncogenesis, post translational modifications in cellular activities.

BSR Fellow
K.V.A.Ramaiah, Ph.D. (JNU). FNASc, FAS-AP - Gene expression, protein synthesis regulation in eukaryotes, protein phosphorylation, protein and cellular homeostasis

Department of Plant Sciences

The Department has been supported by the grant-in-aid received from major funding bodies which include UGC-SAP (DRS-1, Phase 1) and DST-Funds for Infrastructure in Science and Technology (FIST) Level-II (Phase 2). The foundations for the rapid growth of the Department in the last twenty-seven years have been laid with its philosophy to provide a comprehensive training to equip graduate and doctoral students in modern day, cutting edge tools and techniques in Plant Sciences and Microbiology to enable them to make best career-oriented choices in both advanced teaching and high quality research. The Department offers two programmes at Masters level *i.e.* Plant Biology and Biotechnology, and Molecular Microbiology.

The Department offers two programmes at Ph.D. level *i.e.* Ph.D. in Plant Sciences and Ph.D. in Microbiology.

The Department has set up state-of-the-art laboratories for M.Sc. teaching and Ph.D. programmes with the support from DBT, UGC and DST to strengthen teaching and research activities of the Department.

The Department has been receiving support from several national and international funding agencies like DBT, MNES, CSIR, DST, INSA, UGC, NATP-ICAR, DAE, DOD, ICAR, MoES, Indo-UK, Indo-Israel, AP-Netherlands Biotechnology Programme, Humboldt Foundation, International Atomic Energy Agency, Rockefeller Foundation, Volkswagen Foundation, USDA, Indo-French Centre for Promotion of Advanced Research, the European Union, Third World Academy of Sciences etc. for its research activities. The individual research laboratories are well equipped, apart from the availability of major equipment in central facilities of the Department, sister Departments in the School, and also at Central Instrumentation Lab of the University. The Faculty members from the Department of Plant Sciences have the track record of consciously publishing in reputed peer-reviewed journals.

Programmes of Study

M.Sc. Plant Biology and Biotechnology

The programme comprises of a four-semester study that is evaluated based on credit system. A total of 17 core courses, 3 elective courses, 3 practical courses and a research project (dissertation) are mandatory for successful completion of the programme of study. In addition to these courses, it is compulsory for the students to take two foundation courses (6 credits) offered by various Departments/Schools under choice based credit system at the University.

M.Sc. Molecular Microbiology

The Master's programme in Molecular Microbiology ensues the subjects covering all aspects of advanced Microbiology are offered in a four-semester programme and the study is evaluated based on a credit system. A total of 17 core courses, 2 elective courses, 3 practical courses and a research project (dissertation) are offered. In addition to these courses, the students need to take two foundation courses (6 credits) offered by various Departments/Schools under choice based credit system at the University. The students who have met the requirement of completion of the above-mentioned courses are awarded the degree in the program.

Ph.D. Plant Sciences and Ph.D. Microbiology

The Ph.D. programme requires a minimum of three years pursuance from the date of admission. The Ph.D. students are involved in a course work comprising of 12 hours credit load to strengthen their analytical skills in the areas of their research with choice-based selection of teaching modules. The course work will comprise of theory sessions in (i) Analytical Techniques (ii) Research Ethics, Data analysis and Biostatistics offered by the four Departments of the School of Life Sciences. (iii) Research Proposal and Scientific Writing. The students should qualify the Ph.D. course work as per UGC regulations. The requirement for the award of Ph.D. includes the presentation of research work in the Plant Sciences Colloquium after 2-3 years and submission of a thesis on an approved topic of research under the guidance of a faculty member. The research progress of the scholar will be assessed periodically by the doctoral committee members comprising of three faculty members including the supervisor of the student as the chairperson of the committee. The scholar presents the research work in a comprehensive/open seminar before the submission of the thesis and faces an oral examination in defence of the thesis. The candidate

has to publish at least one research paper in a reputed national/international journal and presentation of the research work (oral/poster) in at least two national/international conferences for the award of Ph.D. degree as per UGC regulations.

Entrance Examination

M.Sc. Plant Biology and Biotechnology entrance examination question paper consists of 100 objective type questions of B.Sc. standard and all are to be answered. Broadly, the question paper will consist of 40 questions in Botany, 20 questions each in Biochemistry/Chemistry, Microbiology and Genetics. **Negative marking (0.33 marks for every wrong answer) is applicable for wrong answers.**

M.Sc. Molecular Microbiology entrance examination question paper consists of 100 objective type questions of B.Sc. standard and all are to be answered. Broadly, the question paper will consist of 25 questions each in Botany, Zoology, Biochemistry/Chemistry, and Genetics/Microbiology. **Negative marking (0.33 marks for every wrong answer) is applicable for wrong answers.**

Ph.D. in Plant Sciences and Ph.D. in Microbiology admissions will be based on two separate entrance examinations and interviews conducted by the Department. The question papers will consist of objective type questions of 70 marks where 50% are based on research methodology and 50% are subject specific (M.Sc. standard). Broadly, the subject specific questions will be from the areas of Plant Biology, General Biology, Microbiology, Molecular Biology, Genetics and Biochemistry.

Candidates having Junior Research Fellowship (JRF) through qualification in national level written examinations have a choice to directly appear for the interview. However, they have to apply to the University with their JRF Certificate. NET (LS) are not eligible to apply directly and they have to appear entrance examination conducted by the University.

The candidates who have qualified University of Hyderabad Entrance examination and Junior Research Fellowship (e.g. CSIR/UGC/DBT/ICMR) holders appearing for the interview will be interviewed for 30 marks. The weightage given to the Junior Research Fellowship holders appearing for the interview directly without writing the University of Hyderabad entrance examination will be 35 marks as against candidates who write University of Hyderabad Entrance examination for 70 marks where the marks secured by them in the entrance examination will be considered. For those Junior Research Fellowship holders who also write the University of Hyderabad entrance examination, the marks secured either in University of Hyderabad entrance examination or the weightage given *i.e.* 35 for JRF's whichever is higher will be taken.

The Ph.D. admission for unfilled vacancies will be done in January session 2021 and is based on an interview to be conducted for Junior Research Fellowship (e.g. CSIR/UGC/DBT/ICMR) holders only through qualification in national level written examinations. The Department will not conduct any entrance examination for January session 2021. JRFs have to apply to the University with their Junior Research Fellowship (JRF) certificate to be called for the interview. NET (LS) are not eligible to apply.

Vacancies in Ph.D. Plant Sciences for 2020-21

Department of Plant Sciences			
Faculty	**Designation**	**Areas for Supervision (2020-2021)**	**Ph.D. Vacancies**
Dr. G. Padmaja	Professor	Biotechnology of Tree species of Economic Importance Abiotic Stress Tolerance of Crops	1
Dr. S. Rajagopal	Professor	Bioenergy and Biomolecular Interactions	2
Dr. Sarada D. Tetali	Professor	Pharmacognosy, Medicinal Plant Metabolomics and Secondary Metabolism	1
Dr. Ragiba Makandar	Professor	Plant Molecular Genetics, Plant-Microbe Interactions, Genetic Engineering and Functional Genomics	2
Dr. Santosh R. Kanade	Associate Professor	Environmental Epigenetics	2
Dr. Y. Sreelakshmi	Associate Professor	Tomato Functional Genomics	1
Dr. Irfan Ahmad Ghazi	Assistant Professor	Functional Genomics and Biochemical Analysis of Rice Cultivars	1
Dr. Rahul Kumar	Assistant Professor	Plant Functional Genomics, Plant Biotechnology	1
Dr. M. Muthamilarasan	Assistant Professor	Molecular Genetics and Genomics of Underutilized Crops	2

Vacancies in Ph.D. Microbiology for 2020-21

Department of Plant Sciences			
Faculty	**Designation**	**Areas for Supervision (2020-2021)**	**Ph.D. Vacancies**
Dr. Appa Rao Podile	Senior Professor	Plant Microbe Interactions; Chitinases/Chitosanases and Plant Cell Wall Degrading Enzymes	1
Dr. Ch. Venkata Ramana	Professor	Bacterial Diversity Metabolomics	2
Dr. K. Gopinath	Associate Professor	Host Pathogen Interactions; Plant Virus Perspective	1

Infrastructural Facilities

The faculty and students of the Department have access to a range of sophisticated equipment supporting diverse research topics. These include Confocal Microscope, CD-Spectroscopy, Ultracentrifuges, High Speed Centrifuge, Infra-Red Gas Analyzer, Atomic Absorption Spectrophotometer, HPTLC, HPLC, Lyophilizer, RT-PCR machine, UV-VIS-NIR Spectrophotometer, Liquid Scintillation Counter, Laser Scanner, Gel Documentation System, Transilluminators, Inverted Microscope, Electroporator, Internet, Green house and Plant Culture facility, Fluorescence Microscope, Imaging System/Microarray Reader etc. Further the facilities developed

under UoH-DBT Centre for Teaching and Research in Biology and Biotechnology are also accessible.

School of Life Sciences facilities include, LC-MS, Preparative LC-MS, GC-MS, MALDI, Super Resolution Microscopy etc. University's Central facilities include Confocal Microscope, Scanning Electron Microscope, TEM, Peptide Sequencer etc. In addition, the individual faculty members have their own well equipped laboratories, computers and access to internet.

Faculty

Senior Professor

Appa Rao Podile, Ph.D. (Sardar Patel) FNA, FASc, FNASc, FNAAS, FAS-TS, FPSI, FAMI, Formerly Tata Innovation Fellow (DBT), J.C. Bose Fellow (DST) --- Molecular Plant Microbe Interactions, Chitinases/chitosanases and plant cell wall degrading enzymes (on lien as Vice-Chancellor, University of Hyderabad w.e.f. 23rd September 2015).

Professors

Ch. Venkata Ramana, Ph.D. (Osmania), FNASc, DBT Tata Innovation Fellow --- Bacterial Discovery, Bacterial Physiology & Biochemistry, Metabolomics.
G. Padmaja, Ph.D. (Osmania), FAS-TS --- Plant Genetics, Plant Tissue Culture, Plant Biotechnology. **(Head of the Department).**
Subramanyam Rajagopal, Ph.D. (Sri Venkateswara), FNASc, FAS-TS --- Structural Biology, Protein Biochemistry, Proteomics - Protein Drug Interactions.
Sarada D. Tetali, Ph.D. (UoH) --- Pharmacognosy, Medicinal Plant Metabolomics and Secondary Metabolism.
Ragiba Makandar, Ph.D. (IARI, Delhi) --- Plant Molecular Genetics, Plant Microbe Interactions, Genetic Engineering & Functional Genomics.

Associate Professors

Gopinath Kodetham, Ph.D. (Sri Venkateswara) --- Molecular Plant Virology, Construction of PTGS Vectors & Cell Biology.
Santosh R. Kanade, Ph.D. (CSIR-CFTRI Mysore) --- Epigenetics & Cell Signalling.
Sreelakshmi Y., Ph.D. (UoH) --- Tomato Functional Genomics, Proteomics, Plant Development.

Assistant Professors

Irfan Ahmad Ghazi, Ph.D. (Jamia Harmdard) --- Rice Functional Genomics and Biological Properties of Rice Bran.
Rahul Kumar, Ph.D. (Delhi) --- Functional Genomics, Hormone Signalling, Plant Biotechnology.
Jogi Madhuprakash, Ph.D. (UoH) --- Biomass Degrading Microbes, Carbohydrate Active enzymes (CAZymes), Protein Engineering and Proteomics, Applied Enzymology.
M. Muthamilarasan, Ph.D. (NIPGR) --- Plant Molecular Genetics and Genomics.

Professors (Retired and Re-employed)

R.P. Sharma, Ph.D. (JNU) --- Plant Developmental Biology, Tomato Functional Genomics

A.S. Raghavendra, Ph.D. (Sri Venkateswara), FTWAS, FNA, FASc, FNASc, FNAAS --- Plant Biochemistry and Plant Molecular Physiology: Photosynthesis, Signal Transduction, Medicinal Plant Metabolomics.

Professors (Emeritus)

M. N. V. Prasad, Ph.D. (Lucknow) --- Environmental Sciences, Phytotechnologies,
Attipalli R. Reddy, Ph.D. (Sri Venkateshwara) --- Photosynthesis, Carbon Sequesteration in higher plants.

Ramalingaswamy Re-entry Fellow

Ashish Ranjan, Ph.D. (CCMB-JNU) --- Molecular Plant Pathology, Plant Biotechnology

Department of Animal Biology

The Department of Animal Biology, formerly known as the Department of Animal Sciences, was established in 1993, under the umbrella of the School of Life Sciences. The primary focus of the Department of Animal Biology is to impart knowledge in biomedical sciences at the highest level of excellence and to advance the frontiers of biology through innovative research programs. Since the inception, the Department has been rich in traditional biological sciences and at the same time continues to recognize the new developments in biological research. The Department had and continues to have an esteemed faculty with diverse cutting-edge research programs: Developmental Biology, Immunobiology, Reproductive Endocrinology, Neurobiology, Chronobiology, Cancer Biology, Infection Biology, Microbiology, Chromatin dynamics and Systems Biology of the Cell. The broad base of faculty expertise combined with the state-of-the-art laboratories creates an environment that fosters innovation and advancement in science and technology.

Programmes of study

MSc Animal Biology and Biotechnology: The curriculum of the course has a mix of basic and modern aspects of Biology and Biotechnology. The four-semester program is comprised of core courses in the first two semesters followed by elective courses during the third and fourth semesters. The core courses offer an in-depth knowledge in Evolutionary Biology, Biochemistry, Microbiology, Cell Biology, Molecular Biology, Mammalian Physiology, Developmental Biology, Enzymology and Intermediary Metabolism, Genetics, Endocrinology and Reproductive Biology, Immunology, Stem Cell Biology and Transgenic Technology. The elective courses offered during third and fourth semesters include: Epigenetics & Nuclear Dynamics, Vaccinology, Infection Biology, Oxidative Stress and Antioxidants in Health and Disease, Aquaculture: Nutraceutical & Pharmaceutical Applications, Neurobiology, Cancer and Cancer Stem Cell Biology, Chronobiology, Signal Transduction, Gene Regulatory Networks, and Heterologous Gene Expression and Downstream Processing. The students are required to take a total of four elective courses with the freedom to opt for electives offered by the other departments. The Department of Animal Biology provides comprehensive practical courses that provides hands-on-experience in Molecular Biology, Microbial and Mammalian culture, and protein purification. During third and fourth semesters, the students pursue problem-oriented research work in individual faculty laboratories allotted to them at the end of 2nd Semester as part of early hand holding and providing them an opportunity to develop experimental skills. Thus, the MSc program provides the students not only broad range of areas of research, but also provides an opportunity to develop mastery skills on the frontiers of biological sciences.

Ph.D. in Animal Biology: The faculty members of the Department of Animal Biology play the active role of mentor by ensuring innovative research and training of Ph.D. students. Students are selected into the PhD program, based on their performance in the entrance examination followed by the interview. Admitted students are offered their choice of mentor to pursue their research interest.

Integrated M.Sc. and Ph.D. in Animal Biology and Biotechnology: This is a 7-year program. During the initial 2 years, students will be involved in an extensive course work, which needs to be completed before continuation to the PhD stream. The course structure is same as that of M. Sc. Animal Biology and Biotechnology consisting of core courses, foundation courses and elective courses. Students who could not secure at least 7.5 CGPA, but passed the minimum prescribed course work, should exit the course with a degree in M.Sc. Animal Biology and Biotechnology. The students with an overall CGPA 7.5 or higher obtained during their 4 semesters of the coursework and project may be promoted to PhD stream to carry out their work under the supervision of a faculty member and are advised by a doctoral committee. They have to go through a PhD coursework like other regular PhD students. They also need to actively participate in journal club seminars, research work presentation etc.

The Department of Animal Biology offers students the opportunity to earn, in a continuous plan of study, both the M.Sc and the Ph.D. through its accelerated programs. Following successful completion of the Master's program, the combined degree program enables qualified students join Ph.D program. The broad objective of this program is to encourage the understanding of and to provide research training relevant to the This combined degree program allows students to initiate the research project towards their Ph.D. thesis while studying as a Master's student thus reducing the full-time study needed for the Ph.D. degree. The academic program leading to the Ph.D. degree is broad-based. It involves completion of specified course work, which provides exposure to broad-range of research areas and techniques of traditional as well as modern biology and completion of a research project. The thesis shall be the report of original research work carried out during the tenure of the program.

Entrance Examination

M. Sc. Animal Biology and Biotechnology: An entrance examination will be conducted for the selection of candidates to the program. The entrance examination consists of 100 compulsory objective questions of baccalaureate standard, covering all aspects of Zoology, Botany, Chemistry, Biochemistry, Microbiology, Genetics, Molecular Biology and Biotechnology. Those who qualify in the entrance are admitted into the program based on the merit list.

Ph.D. Animal Biology: An entrance examination will be conducted for the initial screening, which will be followed by an interview. Candidates qualified for JRF from CSIR-UGC/ICMR/DBT will be exempted from the written test and allowed to appear for the interview. The entrance examination consists of 70 compulsory objective questions of post-baccalaureate standard with emphasis in Animal Biology, Cell Biology, Molecular Biology, Microbiology, Genetics, Cancer biology, Immunology, Biochemistry, Physiology, Infection Biology, Neurobiology, Endocrinology, Reproductive Physiology, Developmental biology and Stem Cell Technology. Those who qualify in the entrance test are required to attend an interview. The merit list for admission will be prepared based on the marks obtained in the entrance test and the interview.

Integrated M.Sc. and Ph.D. in Animal Biology and Biotechnology: An entrance examination will be conducted for the selection of candidates to this combined degree program. The entrance examination consists of 70 compulsory objective questions of baccalaureate standard, covering all aspects of Zoology, Botany, Chemistry, Biochemistry, Microbiology, Genetics, Molecular Biology

and Biotechnology, Research aptitude and Methodology. Those who qualify in the entrance test are required to attend an interview. The merit list for admission into the Integrated M.Sc. and Ph.D. will be prepared based on the marks obtained in the entrance test and the interview. However, the students will have the option of the 'Exit' after completion of four semesters. In such case, he/she will be awarded M.Sc. degree in Animal Biology and Biotechnology.

Infrastructural facilities:

State-of-art facilities are available for the students of the Department of Animal Biology. Specifically, the School of Life Sciences offers the following core facilities: Next Generation Sequencing (NGS) platforms, Flow Cytometry, Proteomics, Genomics and Metabolomics. In addition, core facilities include fish breeding, mosquito breeding, insect breeding and BSL3 pathogen containment facilities. Additionally, the School of Life Sciences offer 2D electrophoresis, MALDI-TOF/TOF and Q-TOF, Real-Time PCR, Chip maker, Spot picker, microarray set-up, metabolomics facilities for the analysis of small molecules, including LC-MS-MS. Other common facilities include High Speed Refrigerated Centrifuges, Ultra-Centrifuges, Spectro-fluorimeter, Spectro-photometers, Gel-Documentation System, Phosphor-Imager, HPLC, PCR Machine, Liquid Scintillation Counters, Luminometer, Oxygraph, Bioreactors, French press, Lyophilizers etc. The students also have access to Central Instrumentation Laboratory of the University, which contains amino acid analyzer, scanning electron microscope, transmission electron microscope (TEM), atomic force microscope (AFM), SPR spectrometer, Super-Resolution 3D Microscope system, Confocal microscopes etc. The entirety of the facilities is established through various national funding programs such as DST-FIST, DBT-CREBB and University Plan Grants. The members of the Department of Animal Biology are:

The vacancies with faculty and their broad areas for the years 2020-21

Sl. No.	Name of the Faculty	Designation	Areas for Supervision (2020-2021)	Ph. D Vacancies
01.	Prof. P. Jagan Mohan Rao	Professor	Molecular immunology, stem cell biology, gene networks, epigenetic regulation of cell fate and cancer biology	2
02.	Prof. Anita Jagota	Professor	Neurobiology, neurodegeneration and brain aging, Molecular Chronobiology	1
03.	Prof. K. Sreenivasulu	Professor	Signaling and epigenome dynamics in stem cell development	1
04.	Prof. Arun Kumar	Professor	Identifying drug and vaccine targets for malaria by approaches of reverse genetics, Plasmodium-host interactions at liver stages	2
05.	Dr. Nooruddin Khan	Associate Professor	Immunobiology of infectious and metabolic diseases, Vaccine and adjuvant development.	2
06.	Dr. M.K. Arunasree	Assistant Professor	Biology of (HDACS) hislone deacetylases.	2
07.	Dr. A. Bindu Madhava Reddy	Assistant Professor	Cell signaling, gene regulation related to diabetes and cancer.	2
08.	Dr. T. Prasad	Assistant Professor	Molecular neurosciences, Vesicle Transport, Autophagy and Alzheimers Disease.	2
09.	Dr. Parul Mishra	Assistant	Ubiquitin mediated protein degradation,	3

	(UGC-FRP)	Professor	Protein Engineering, Chaperone networks in neurological diseases and cancer.	
Total				17

FACULTY:

Senior Professor(s)

S. Dayananda, Ph.D. (SVU), FNA, FASc, FNASc, FAP-AS – Bacterial small RNAs, post-transcriptional regulation, bacterial horizontal gene transfer, catabolomics, metabolic engineering, biotransformation and biodegradation.

Professors:

Manjula Sritharan, Ph.D. (University of Hull, UK), FT-AS – Infection biology, host-pathogen interactions – Iron acquisition by pathogenic mycobacteria and Leptospira spp. & evaluation of candidate markers as sero-diagnostic agents for tuberculosis & leptospirosis

Balasubramanian. Senthilkumaran, M. Phil, Ph.D. (BHU), FNA, FNASc, FAP-AS – Molecular Endocrinology, Developmental Biology, Reproductive Biology of fish, Molecular mechanisms of Sex Differentiation, Fish Neuroendocrinology

Jagan Pongubala, Ph.D. (Bombay) – Molecular immunology, stem cell biology, gene networks, epigenetic regulation of cell fate

Anita Jagota, Ph.D. (JNU), FT-AS, FIAN – Neurobiology, Aging, Neurodegeneration and Brain-aging, Molecular Chronobiology (Head)

Sreenivasulu Kurukuti, Ph.D. (BHU)– Signaling and epigenetic control of gene expression during embryonic stem cell to neuronal differentiation. 3-D Epigenomics

Kota Arun Kumar, Ph.D. (UoH) – Identifying drug and vaccine targets for malaria by approaches of reverse genetics, Plasmodium-host interactions at liver stages.

Associate Professors:

Suresh Yenugu Ph.D. (OU) – Reproductive immunology and toxicology, transgenic technology

Nooruddin Khan, Ph.D. (Manipal University)-Immunobiology of infectious and metabolic diseases, Vaccine and adjuvant development.

Assistant Professors:

Radheshyam Maurya, Ph.D. (BHU) – Mechanism of Infection and Immunity in visceral leishmaniasis, Drug discovery and identification of new diagnostic markers.

Aruna Sree M.K, Ph.D. (UoH) - Epigenetics: Basic and translational research on Histone Deacetylases (HDACs); Drug discovery and Repurposing for multidrug resistance

Bindu Madhava Reddy Aramati, Ph.D. (UoH) - Cell signaling, gene regulation related to diabetes and cancer.

Raja Ram Mohan Roy, Ph.D. (UoH) – Cellular homeostasis, Inflammation and Tumorigenesis

Prasad Tammineni, Ph.D. (UoH) – Molecular neurosciences, Vesicle Transport, Autophagy and Alzheimers Disease.

UGC-FRP Faculty (Assistant Professor)

Parul Mishra, Ph.D. (CDRI-JNU) – Ubiquitin mediated protein degradation, Protein Engineering, Chaperone networks in neurological diseases and cancer.

Retired Professors (BSR Fellows):

Aparna Dutta Gupta, Ph.D. (BHU), FNA, FASc, FNASc, FAP-AS (UGC-BSR-Fellow) – Molecular physiology and biotechnology, biointensive-integrated insect pest management.

P. Reddanna, Ph.D. (SVU) – Eicosanoids, Inflammation and Cancer.

Department of Biotechnology and Bioinformatics

The Department offers application oriented, sought-after and cutting-edge courses in frontier areas of Biotechnology and Bioinformatics. Innovation based training is imparted to the students with a special emphasis on basic concepts of biological processes in order to pursue research in frontier areas of modern biology. A total of 12 independent research groups are active at the department studying molecular and cellular processes involved in cyanobacteria, yeast, higher plants, and human health and disease with an emphasis on discovery of interventional molecules and identification of targets with respect to malarial and leshmanial parasites, lepidopteran pest control, bacterial and viral infections, cancer and neurodegenerative diseases. Functional genomics, cellular biology, microbiology, protein biochemistry and structure-function studies, Drug Discovery, bioinformatics and computational biology constitute major skill domains of our research groups. In addition, the Department has an exclusive expertise in generation and analysis of high throughput genome sequence data of bacterial species and harnessing them towards discovery of new gene functions and pathways. Teaching and research programs of the department are supported by special grants from the DBT, DST, CSIR, ICMR and UGC towards M.Sc., M.Tech., Ph.D. and Int-M.Sc. /Ph.D. courses. The faculty members at the Department are supported with several extramural grants and are recognised by national and international agencies. The Department actively participates in several student exchange and research training programs with international organizations such as German Research Foundation (DFG), European Commission), AvH Foundation, DAAD and Academia Sinica etc.

Infrastructural Facilities

The Department has been supported by the grant-in-aid received from major funding bodies which include UGC-SAP (DRS-1) and DST-Funds for Infrastructure in Science and Technology (FIST) Level-I. The Department has advance research facilities such as animal and plant cell culture, microbial culture, HIV culture, neuronal and neuroglial culture and stem cell culture, etc.. Further, it has several essential instruments such as high-speed centrifuges, spectrophotometers, circular dichrometer, phosphorimager, PCR machines, FPLC, 2-D Electrophoresis, shakers, incubators, multimode plate reader, bioreactor, fluorescence microscope, real time PCR and flow cytometer, etc. The students can benefit from the state of art high resolution confocal microscopy facility and the genomic/proteomics/metabolomics/crystallization facility available in the School. The Bioinformatics infrastructure facility and library facility funded by the Department of Biotechnology; Government of India is a well-equipped facility that is used by the students. In addition, students also have access to high performance computing facility at Centre for Modelling, Simulation and Design for their project works.

Programs of Study

M.Sc. Biotechnology: This flagship course was introduced in the year 1990 under the nationwide post graduate program by the Department of Biotechnology (DBT), Ministry of Science and Technology, Government of India. The program comprises of four-semesters with credit system of evaluation and latest curriculum recommended by DBT. Students can choose elective courses offered at Department/School level and the Foundation courses offered at University level. In addition to rigorous academic training, students interact with Biotech industries to avail opportunities for learning translational aspects of product development and commercialization. After successful completion of 2 semesters of coursework, students shall be assigned to the available project supervisors based on the criteria in practice or as decided by the admission committee/Department/School (please refer the admission criteria in 'Entrance Examination' section).

M. Tech. Bioinformatics: M.Tech. Bioinformatics is a state-of-art course approved by AICTE. The course is designed to train students in theory and computational techniques including hands-on practice using state of the art servers and computer labs equipped with different software packages. The program is truly interdisciplinary and is offered with the help of different collaborating entities/scientists and computer experts within and outside the University. Each year, some of the students obtain attractive placement opportunities from reputed software and bioinformatics companies. The courses spread over first two semesters include computer programming, proteomics, basic mathematics and statistics molecular modelling, genomics, bioinformatics, molecular dynamics, drug design, machine learning and data analytics, mathematical modelling of biological systems and metagenomics etc. Students are encouraged to choose one elective course in the first and in the second semesters either within the department or from the other Schools of the University. The students will carry out a full-time project work during their 3rd & 4th semesters under the guidance of a faculty member, either at the Department or elsewhere in a collaborative mode. After successful completion of 2 semesters of coursework, the students shall be assigned to the available project supervisors, based on the criteria in practice or as decided by the admission committee/Department/School.

Ph.D. Biotechnology: This is generally a 3 to 6 years course (Relaxation for women candidates are as indicated in the UGC guidelines) and in the first year there will be a minimal but essential Ph.D. course work component to assess for interdisciplinary skills and impart training in research methodology and ethics etc. Soon after admissions, the students are expected to begin their work under the supervision of a faculty member and are advised by the doctoral committee from time to time. They have to actively participate in Journal club seminars and research work presentation at the end of the semester. As per UGC guidelines PhD student have to publish at least one paper in peer reviewed journal and present their work in two conferences. The research students have to present their work in a comprehensive seminar before submission of their thesis. The students shall be assigned to the available research supervisors at the time of selection based on the criteria in practice or as decided/suggested by the admission committee/Department/ School.

Integrated MSc-PhD Biotechnology: This is a 5 year program extendable up to a maximum of 8 years. During the initial 2 years, students will be involved in an extensive course work, which needs to be completed before continuation to the PhD stream. The course structure is similar to that of M.Sc. Biotechnology consisting of core courses, foundation courses and elective courses. At the end of 2nd semester, students shall be assigned to the available research supervisors based on the criteria in practice or as decided/suggested by the admission committee/ Department/School. After completion of fourth semester, students have the choice to exit with a M.Sc. Degree or continue for their Ph.D. program. Students are expected to exercise this option by the end of February during their fourth semester. Students who could not secure at least 7.5 CGPA, and could not secure at least B grade in each course, should exit the program compulsorily with a degree in M.Sc. Biotechnology. The students with an overall CGPA 7.5 or higher obtained during their 4 semesters of the coursework and project will be allowed to continue to their PhD stream. They are also advised by a doctoral committee as described for regular PhD Biotechnology students. They also need to complete PhD course work in the first year of their PhD tenure as per UGC regulations and actively participate in journal club seminars, research work presentation etc. UGC regulations for awarding PhD will be followed after promoting the student from M.Sc to PhD program. (Relaxation for women candidates are as indicated in the UGC guidelines).

Entrance Examination

M. Sc. Biotechnology:

Selection is based on a national level common entrance examination for admission to PG programs in biotechnology like CEEB sponsored by the Department of Biotechnology, Government of India, New Delhi (**Intake of students is as per the announcement from the DBT, Govt of India**).

M.Tech Bioinformatics: Admission for 25 seats in this program will be done through CCMT**.** Interested students with a valid GATE score card can apply for the course through Centralized Counselling for M.Tech. (CCMT - **https://ccmt.nic.in/**). The qualifying degree for this program includes B.Tech./B.E./M.Sc. in Bioinformatics, Biochemistry, Biotechnology, Applied Microbiology, Biology, Biomedical Genetics, Bio-Sciences, Life Science, Life Sciences (Botany), Life Sciences (Zoology), Microbiology, Agricultural Science, Biochemical Engineering, Biomedical Engineering, Biotech Engineering, Bioengineering, Biological Sciences and Bioengineering, Biomedical Instrumentation, Biosciences, Bioengineering, Biochemical Engineering and B.Pharma. GATE qualification with the subjects, Biotechnology-BT, Chemistry-CY, Chemical Engineering-CH, Biomedical engineering - BM, Life sciences – XL, and Ecology and Evolution - EY will only be considered for admission. Admission will be based on their GATE score. The admitted students will be eligible for GATE-fellowship according to AICTE rules and norms.

Integrated M.Sc./Ph.D. Biotechnology: Admission is based on an entrance examination (70 Marks) followed by interview (30 Marks). The question paper will carry 70 multiple choice type questions. Question paper consist part A and B each carrying 35 questions. Part A is to test knowledge pertaining to Mathematics, Physics, Chemistry, General Biology and quantitative aptitude. Whereas Part B is to test subject knowledge in various areas of modern Biology at Bachelor degree level standards. The candidates will be called for an interview in their order of merit based on the entrance examination.

Ph.D. Biotechnology: Admission to PhD Biotechnology should be through an entrance examination (70 marks) followed by an interview (30 marks). The question paper for the entrance examination will comprise of 70 multiple choice questions. Question paper consist part A and B each carrying 35 questions. Part A is to test knowledge pertaining to Research methodology encompassing Mathematics, Physics, Chemistry, General Biology and quantitative aptitude. Whereas Part B is to test subject specific knowledge in the cutting-edge areas of Modern Biology and Biotechnology at Master's degree level standards. The candidates will be called for an interview in their order of merit based on the entrance examination. JRF qualified candidates who passed the NET examination (under Junior Research Fellowship category only) conducted by the CSIR/UGC/DBT/ICAR/ICMR will be directly called for interview. However, they can also write the entrance examination to enhance their scores. For JRF candidates who opt for exemption from written test and directly appear for interview, they will be given thirty five (35) marks in lieu of written test. For JRF candidates who appeared for written test and scored more than 35 marks, the written test marks will be considered. The PhD seats falling vacant in July session will be filled in January Session (2021) through interview mode by inviting JRF candidates qualified in CSIR/UGC/DBT/ICAR/ICMR and no written test will be conducted for the same.

Intake for the Ph.D. Course indicating the vacant slots of faculty along with areas for supervision (2020-21)

S.No.	Name of the faculty	Designation	Areas for supervision (2020-21)	Ph.D. vacancies
1	Prof. P. Prakash Babu	Professor	Mechanism of brain tumour progressing/neurodegeneration	1
2	Prof. KPMSV Padmasree	Professor	Cloning, Expression and	1

			characterization of Proteinase Inhibitors for insecticidal activity	
3			Understanding the biochemical and molecular mechanisms involving AOX in abiotic stress tolerance	1
4	Prof. J S S Prakash	Professor	Anti-sense RNA mediated gene regulation	1
5			Engineering cyanobacteria for Biofuel	1
6	Dr. Vaibhav Vindal	Assistant Professor	Computational and Functional Genomics	2
7	Dr. Sunanda Bhattacharyya	Assistant Professor	Characterization of topoisomerases as novel drug targets from medically relevant pathogen	1
8	Dr. Insaf Ahmed Qureshi	Assistant Professor	Structural and Functional Characterization of enzymes from human parasite	1
9	Dr. G B Madhu Babu	Assistant Professor	Mechanisms of Neurodegeneration, and Behavioral Neuroscience	1

Faculty

Senior Professors

Anand K. Kondapi, PhD (Andhra University): Molecular therapeutics, functional characterization of DNA topoisomerases in metastasis, HIV infection, neurodegeneration and brain aging (On Sabbatical until Jan 2021).

P. Prakash Babu, PhD (University of Hyderabad): Neuroscience: Cell signalling and cell death (apoptosis) in cerebral ischemia (stroke), cerebral malaria, brain tumors, and stem cells. Screening natural and synthetic compounds for their anti-malarial and anti-cancer (*in vitro* and *in vivo*) activities.

Professors

Niyaz Ahmed, PhD (Manipal University): Pathogen biology, molecular epidemiology, biology of chronic infections, host-pathogen interaction dynamics.

K. P. M. S. V. Padmasree, PhD (University of Hyderabad): Biotechnological applications of proteinase inhibitors (agricultural and human therapeutics); Understanding the molecular mechanisms for pest resistance; Role of Alternative Oxidase (AOX) pathway in stress tolerance (**Head of the Department**).

J. S. S. Prakash, PhD (Jamia Hamdard): Functional genomics and cyanobacterial gene regulatory networks.

Assistant Professors

Musturi Venkataramana, PhD (Sri Venkateswara University): Molecular studies on viruses causing Dengue and Chikungunya

Vaibhav Vindal, PhD (Manipal University): Gene regulatory networks, functional genomics of pathogens, analysis of protein sequence/structure/function.

N. Prakash Prabhu, PhD (University of Hyderabad): Protein structure, folding and dynamics.

Sunanda Bhattacharya, PhD (Bose Institute, Kolkata): Role of chaperones in genome stability and chromatin remodelling, understanding *Plasmodium* biology and host parasite interaction.

Insaf A. Qureshi, PhD (Jamia Hamdard): Molecular biology and protein crystallography.

Gajula B. Madhubabu, PhD (Max-Planck Institute for Biophysical Chemistry, Goettingen, Germany): Behavioural neuroscience and neurodegenerative diseases

Nooruddin Khan, PhD (CDFD, Hyderabad): Molecular immunology, Infectious diseases **(On lien).**

Pankaj Singh, PhD (University of Hyderabad): Machine learning for Data Science, Mathematical/computational modelling of gene networks, Knowledge discovery in Neuronal aging/senescence and neurodegenerative diseases.

Department of Systems and Computational Biology
(doscb.uohyd.ac.in)

The Department of Systems and Computational Biology (DoSCB) (erstwhile Virtual Centre for Systems Biology) is the fifth department in the School of Life Sciences. It was established as per the statute 17(5) (a) & (b) of University of Hyderabad based on a resolution passed by its Executive Council on 30th September 2018.

Currently the department has four faculty members (one Professor and three Assistant Professors (of these one is UGC-FRP)) who are actively involved in research projects in some of the forefront areas of modern biology. They have been the recipients of research grants from the national agencies such as CSIR, DST, DBT etc., and are currently part of national and international collaborative research grants (in collaboration with Rostock Medical Centre, Germany and University of Madeira. Portugal). The faculty members of the department have published research articles in the prestigious peer-reviewed journals such as Proceedings of National Academy of Sciences (USA), Journal of Proteome Research, Journal of Molecular Biology, Nucleic Acids Research, Molecular and Cellular Biology, Molecular Neurobiology, Blood etc.

The faculty members of this department are involved in teaching the courses in the areas of Genomics, Computational Biology, Bioinformatics, Recombinant DNA technology, Mathematics & Statistics and Systems Biology.

The department is poised to grow rapidly and is optimistically looking forward to get associated with eminent professors/scientists at various stages of their career.

Programs of Study

Integrated M.Sc Systems Biology (5 years)

This has been offered in conjunction with the College of Integrated Studies (CIS), University of Hyderabad. This course encompasses an interdisciplinary approach that is developed with the changing nature of current biological research, wherein students are trained in analyzing complex molecular systems, high-throughput biological data and mathematical modeling. Many of the students of Int MSc (Syst Biol) are either placed in biologicals/pharma companies or pursuing their PhDs and beyond in the prestigious universities/research institutes in India and abroad.

PhD in Systems and Computational Biology

For research areas please visit the website doscb.uohyd.ac.in

Faculty
Professors

H. A. Nagarajaram, Ph.D. (IISc): Computational systems biology; assessment of functional impact disease causing mutations at molecular and systems level; discovery of basic structural principles governing protein functions; prediction and modelling of disease causing mutations in human proteins. Organic volatiles (detectable in urine and saliva samples) based biomarker discovery for human communicable and non-communicable diseases; Modelling of transport of metal ions by siderophores in soil bacteria.

Assistant Professors

Vivek, Ph.D. (JNU): Integration of various 'omics' data for gene knowledge mining and improvement of genome annotation; Candidate gene discovery; Nutri-genomics; Trait discovery related to C4 photosynthesis; Taxonomic/Functional characterization of gut microbiota for nutrition and diseases; Taxonomic/Functional characterization of plant root microbiota for sustainable agriculture

Manjari Kiran, Ph.D. (CDFD): Cancer genomics: Multi-omics based prognostic signature in cancers; Identification and characterization of novel RNAs in cancer; Network based approaches for drug repurposing and repositioning

Assistant Professor (UGC-FRP)

Sivahari Prasad Gorantla, PhD (TUM, Germany): Leukemia models and novel therapeutic agents in Chronic Neutrophilic Leukemia, Acute myeloid Leukemia and Myeloproliferative neoplasms. Identification of novel drug resistance mechanisms in these leukemias.

SCHOOL OF HUMANITIES

The School of Humanities was founded on the conviction that the Humanities give purpose, direction and value to education and life and these subjects are as important to society as are the scientific and technological disciplines. The School of Humanities is the largest School in the University with 14 Departments / Centres, 77 permanentfaculty members as of now, and around 900 students in different Masters, M.Phil. and Ph.D. programmes. The School aims at providing an appropriate space for common awareness and a sense of responsibility for making the University more than a complex of specialized departments and centres. In addition, it is committed to the achievement of academic excellence, creativity, and the all-round development of students.

The courses offered in the School reflect these objectives and concerns. The Departments of Hindi, Telugu, Urdu and the Centre for Applied Linguistics and Translation Studies participate in the five- year Integrated Masters's Programme of the College for Integrated Studies.

Prof. S. Sarat Jyothsna Rani is the **Dean** of the School.

Department of English

Rated as the best department in India for the postgraduate study of English by QS World Rankings for three consecutive years, the Department admits into its M.A. programme graduates from any basic discipline. While the Department lays emphasis on giving students a sound foundation in canonical British and American texts, genres and methods of literary analysis, it also familiarizes them with literatures in English emerging from 'other' parts of the world and equips them with interdisciplinary methods of 'reading' the literary in newer formal, cultural and mediated contexts. The Department updates and orients its academic programmes in keeping with the ever-changing disciplinary contours of literary studies and actively promotes teaching and research in areas both within and beyond the traditional limits of the 'English' canon.

Programmes of Study

M.A. (English)

This programme extends over four semesters and bears 72 credits, of which 56 credits are awarded for core courses and 16 credits for elective courses (4 of which may be obtained from other departments). Students may register for additional courses to earn up to a maximum of 80 credits, provided the classes for such courses do not conflict with those scheduled by the Department for its regular courses.

The M.A. programme surveys various areas of English Studies (Literature and Language) such as Shakespeare and the Seventeenth Century, Eighteenth Century, Romantic, Victorian and Modern British Literature, American Literature, New Literatures, Indian Writing in English, and Literary Criticism and Theory. In addition to these courses in the domain of canonical English literature belonging to the Anglo-American tradition, the M.A. programme has also included core courses on Dalit Literature and Cultural Studies with a view to make its scope more inclusive and relevant to the specific socio-political contexts of studying English in 21st century India.The programme offers a wide array of electives, within and beyond the discipline of English literary studies, for students to choose from. These include, among others, European Drama in Translation, Jewish American Writing, African-American Literature, Just Reading, Telugu Dalit Literature in Translation, Modern Indian Thought, Western Aesthetics, Contemporary South Asian Diaspora, Children's Literature, Introduction to Basic Concepts in Film Studies, Society, Technology and Culture, Food

and Literature, Literature and Space, Digital Cultures, Introduction to Popular Culture, The New Humanities, Life Writing, Narratives of Law and Literature, and Writing the Subject in Human Rights Literature.

The Department enrols students for research both at the M.Phil. and Ph.D. levels. The topics of the dissertations are approved by the Department and students carry out their research under the supervision of the assigned faculty.

M. Phil (English)

This is a 24 credit programme that extends over three semesters. For admission to the M. Phil. programme, the applicant must submit, at the time of the interview, a brief research proposal. During the first semester, the student completes mandatory course work for 12 credits. The dissertation, to be submitted by the student at the end of the programme, is assessed for 12 credits. The programme includes written examinations for the course work, the grades of which are part of the final tally for the M.Phil. as a whole. Attendance, as mandated by the Department, is strictly monitored. Candidates are expected to give open pre-submission seminars on their respective research topics. The dissertation is examined by both internal and external examiners and followed by a final viva-voce examination.

Ph.D (English)

The Ph. D. programme normally extends from two to five years from the date of admission. Applicants for admission into the Ph.D. programme must submit, at the time of the interview, a brief research proposal. The programme requires mandatory course work of 16 credits to be completed in the first two semesters; this leads to the submission of a comprehensive research proposal, complete with a clear outline of the proposed project, survey of scholarship, and a working bibliography at the end of the third semester. Consequent upon the formal approval of the research proposal, the student is required to write a dissertation on her/his topic of choice under the guidance of the assigned faculty supervisor. During the course of their research, students are required to make regular presentations on the progress of their work to members of their respective Research Advisory Committees (RACs), constituted by the Department. The dissertation is finally submitted and forwarded to three external examiners for evaluation. Based on the reports of the research supervisor and the external examiners, the student defends her/his thesis in a formal viva-voce exam before the award of the degree.

The Department offers specialized guidance to newly admitted M.Phil. and Ph.D. scholars in choosing their topics and formally assigns them research supervisors within a month of their joining the respective academic programmes.

Currently, the Department encourages work in: Indian Writing in English, Dalit literature, Diaspora Studies (specifically literature from the South Asian Diaspora), Victorian Literature and Culture, Shakespeare Studies, Indo-British Literary and Cultural Transactions, Children's Literature and Young Adult Fiction, Popular Culture, English Literature of the Romantic Age, and Postcolonial Literatures in English. The Department particularly encourages research projects relating to English in India, its socio-historical and pedagogical reaches – its thrust area for the UGC's DSA-II programme.

The Department supervises research only where primary materials are available in English, or in respectable English translation.

Domains of interest/expertise are listed against the names of individual faculty below, and indicate the areas in which they might be willing to supervise research. Prospective candidates are

advised to go through faculty profiles here and on the University-Department website when they apply for admission into research programmes.

Entrance Examination

MA (English)

The M.A. entrance examination question paper comprises Multiple Choice Questions for 100 marks. These include questions and exercises that test the applicant's language and comprehension skills as well as literary appreciation and awareness.

M. Phil.and Ph.D (English)

As per the UGC Regulations, 2016, the entrance examination for admission into the M.Phil. and Ph.D. programmes is conducted for 70 marks. The question paper consists of two parts: Part A comprises questions on Research Methodology and Part B tests the candidate's subject knowledge.

Part A, for 35 marks, tests the candidate's aptitude for English Research. This section includes questions on research methods as they are practised in the major areas of English Studies. The MCQs test the candidate's familiarity with standard sources and formats of English scholarship such as the MLA and comparable citation formats, online databases, journals and other resources for research in English studies. These questions also pertain to the aims and methods of research in English Studies, such as finding appropriate topics, conducting survey of scholarship, major schools of theory and critical approaches, stages toward writing and editing papers/ dissertation; the mechanics of writing, and the prospects of publishing research and presenting papers at scholarly fora.

Part B, also for 35 marks, tests the candidate's knowledge of the subject and his/her scholarly aptitude. This involves writing an essay on a given topic and critically analysing a prose passage, or a poem, as directed.

Additionally, shortlisted candidates are required to appear for an interview (for 30 marks). At the interview, the candidate's aptitude for research is examined on the basis of the following criteria:

· Research Proposal: quality, innovativeness, methodology
· Language skills
· Review and analysis of scholarship
· Argumentation (in the proposal and at the interview)
· Familiarity with primary sources and working bibliography

Break-up weightages for M.Phil./Ph.D. interviews

Weightage	**Marks**
Research proposal: innovativeness, quality, methodology	5
Language Skills	5
Review and analysis of scholarship	5
Argumentation (in proposal and at interview)	5
Familiarity with Primary Sources and Working Bibliography	5
JRF or M.Phil (only on production of M.Phil thesis at the Interview)	5

05 Marks will be awarded at the Interview to candidates with a JRF or an awarded M.Phil (only on production of M.Phil thesis by the candidate at the Interview). No marks will be given for candidates with just NET/SLET/SET.

Activities

In addition to adhering to the standard requirements for continuous assessment of their academic progress under various programmes, the students of the Department actively participate in co- and extra-curricular activities, such as organizing regular boon readingsessions and film screenings, in which both students and faculty engage in discussing and debating ideas relevant to the broad context of studying literature, culture and media in contemporary society. The Department also periodically organizes special lectures and invited talks to keep students and faculty abreast with the ever-expanding possibilities of teaching and research in the multiple trajectories of English Studies. Thus, for instance, over the last two years the Department has organized special workshops as part of the "Innovation in the Humanities" initiative of the University, which is aimed at promoting critical thinking and awareness beyond the traditional methods of syllabus-driven academic study and research. It is also noteworthy that the researchscholars of the Department have recently taken the initiative in organizing roundtable discussions and a series of workshops and lectures as part of the UGC-DSA-II activities of the Department.

Faculty

Professors

K. Narayana Chandran, Ph.D. (IIT Bombay); American Literature; Modern Literatures in English; English in India (the history and pedagogy of the discipline); Translation; Short Narrative Forms; Reading/Literacy Theories; Malayalam Literature and Culture; Indian aesthetic/comparative studies; New Literatures /Theory in English; Allusion, Intertextuality, and Intergenres. (Re-employed)(Not available for Supervision)

Pramod K. Nayar, Ph.D. (Hyderabad); Colonial Discourse Studies, Literary & Cultural Theory, Posthumanism, Comics and Graphic Novels, Human Rights and Literature, Medical Humanities.

D. Murali Manohar, B.A. B.Ed., M.Phil., Ph.D. (Hyderabad); Indian Writing in English, Indian English Women's Fiction, Dalit Literature/Studies and Women's Studies.

Anna Kurian, Ph.D. (CIEFL, Hyderabad); Shakespeare Studies, Children's Literature (**Head of the Department, DSA-II Coordinator**)

Assistant Professors

Sireesha Telugu, Ph.D. (Hyderabad); Indian Writing in English, South Asian Diaspora and Literature.

Siddharth Satpathy, Ph. D. (University of Chicago): 18th and 19th Century British Literature, Post-Colonial Thought, Modern Indian Intellectual Tradition

Girish D. Pawar, Ph.D. (EFLU, Hyderabad); Cultural Studies, Film Studies and Popular Culture.

B. Krishnaiah., M.A., SLET, M. Phil., Ph.D. (Kakatiya); Indian Writing in English, Indian Fiction in English by Women, Postcolonial Studies, Dalit Studies.

Gopika Sankar U. Ph.D. (IIT Madras, Cambridge CELTA): Literature and space (Spatial literary studies), Diaspora literature, Contemporary Indian English fiction, Short Fiction

Bhaskar Lama, Ph. D. (EFLU, Hyderabad); Jewish American Writings, African American Literature

Saradindu Bhattacharya, Ph.D. (Hyderabad); Young Adult Fiction, Narratives of trauma, Popular Culture and Media

Department of Philosophy

The Department is eminently known in the country for research in diverse fields of philosophy. It has been recognized by the UGC as a Department of Special Assistance since 1987. The thrust areas of research under this programme are (1) Philosophy of Language (2) Philosophy of Cognition and Mind. In addition to these, the Department also carries on research in Contemporary Western Philosophy, S ystems of Indian Philosophy like Nyaya, Buddhism and Vedanta, Indian Aesthetics, Philosophy of Science, Social and Political Philosophy, Epistemology, Ethics and Logic.

Programmes of Study

M.A. (Philosophy)
In this programme the Department offers courses at two levels. At the basic level it offers core courses in the classical schools of Indian and Western Philosophy, Ethics and Logic. At the advanced level it offers optional courses in the various fields of philosophy such as Advanced courses in Nyaya and Buddhism, Social and Political Philosophy, Philosophy of Science, Philosophy of Language, Philosophy of Art , Philosophy of Mind, etc.

M.Phil. (Philosophy)
In this programme emphasis is laid on generating aptitude for independent research. It requires both course work and the writing of a dissertation. The course work consists of studying Contemporary Indian and Western philosophical problems. In addition, the students are required to do a course on Research Methodology and a course related to their respective dissertations. Interdisciplinary research is encouraged, where two or more departments/schools are involved.

Ph.D. (Philosophy)
The Ph.D. p rogramme aims at developing original research in diverse fields of philosophy. It encourages interdisciplinary research. The research scholars are required to write a dissertation on a topic of their choice in consultation with the supervisor after completing at least two semesters of course work. Interdisciplinary research is encouraged, where two or more departments/schools are involved.

Entrance Examination
The question paper for the entrance test for M.A. course consists of 100 objective (multiple-choice) questions of one mark each. The questions pertain to Reading and Comprehension, Quantitative and Analytical Reasoning, among others . There will be a negative marking of 0.33 for every wrong answer.

The question paper for M.Phil. and Ph.D. courses shall consist of 70 marks in two sections, as per the UGC Regulations, 2016.

Part-A: 35 marks will be on Research Methodology. The methodology may include research publication, interview, surveys and other research techniques, and could include both present and historical information, besides questions on Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.

Part-B: 35 marks will be on subject concerned.

Faculty

Professors

A. Raghurama Raju, Ph.D. (IIT, Kanpur) - Social and Political Philosophy, Contemporary Indian Philosophy (On Lien to IIT Tirupati)

C. A. Tomy, Ph.D. (Hyderabad) – Philosophy of Mind, Philosophy of Language, Metaphysics and Nature of Modality **(Head)**

K. Siddeswara Prasad, Ph.D. (Sri Venkateswara) - Nyaya, Indian Philosophy (Superannuated and Reemployed)

Associate Professors

Chandra B. Varma, D.Litt (Ranchi) – Buddhism, Indian Philosophy, Phenomenology, Translation of the Philosophical Works from Pali, Prakrit and Sanskrit into English

Laxminarayan Lenka, Ph.D. (Hyderabad), Philosophy of Language, Epistemology

Assistant Professors

Abhijeet Joshi, Ph.D. (Pt. Ravi Sankar) – Indian Philosophy (Advaita Vedanta: Classical and Contemporary)

B. Ananda Sagar, Ph.D. (Hyderabad) – Epistemology and Analytic Philosophy

Venusa Tinyi, Ph.D. (Hyderabad) – Logic, Analytic Philosophy

Kavita Chauhan, Ph.D. (Panjab) – Philosophy of Art, Indian Philosophy

Shinod N. K, Ph. D. (Hyderabad), PDF (IIT Delhi) – History and Philosophy of Science

Department of Hindi

The Department of Hindi provides teaching and research facilities in Hindi, keeping in view the changing social norms, communication patterns, different social roles of language in our society and fast changing social values in our time. While drawing up the syllabus, sufficient care has been taken to cater to contemporary needs of society. Special attention is paid to the regional needs and comprehensive studies of language and literature.

Programmes of Study

The Department offers M.A., M. Phil. and Ph.D. Programmes in Hindi.

M.A. Hindi Language and Literature

Extended over four semesters, this programme provides instruction and guidance for acquiring knowledge in various new fields of Hindi language and literature without entirely neglecting the old and medieval texts and offers wide scope for elective studies. Special emphasis is also given to the functional aspects of the language.

M.A. Hindi Language and Literature course will have two streams: (i) Literature Stream (ii) Functional Hindi and Translation stream.

This course will have common papers up to 3rd Semester and in the 4th Semester the Streams will be separated. In case a student opts for the Functional Hindi and Translation stream, he/she will be offered four separate courses (Four credits each) and it will be mentioned -'Specialization in Functional Hindi and Translation' in his/her degree of M.A. Hindi Language and Literature.

M. Phil (Hindi)

This is a three-semester programme. The students will take courses on research methodology and advanced literary trends in the first semester and write a dissertation on an approved topic during the second and third semesters under the supervision of a f aculty member.

Ph.D. (Hindi)

This is a research programme, with course work of 16 credits in the first year. Students are required to submit their thesis after passing the prescribed courses for Ph. D p rogramme. No student is permitted to submit his/her thesis for the Ph.D. degree unless he/she has passed the courses of research in the department as prescribed in a period of one year, extendable up to a period of one more year (semester by semester) from the date of confirmation of admission. There will be written and oral examinations for the course work as prescribed.

Applicants for the M. Phil and Ph.D. courses must submit a brief description (in about 500 words) of their proposed topic of research along with their applications.

Research in the following fields is given preference:

Bhakti Literature/ Bhakti Movement, Comparative Studies, Literary Criticism, Sociological approach to Literature,

Various aspects of Modern Literature, Dakkhini Hindi – Language and Literature, Dalit and Tribal Literature,

Functional Hindi and Translation, Mass Media, C inema and Cultural Studies, Women and Gender discourse.

Entrance Examination

MA (Hindi)

The entrance examination for M. A. Hindi Language & Literature will consist of 100 objective type questions only to be answered on OMR Sheet. The written test will be based on objective type questions of B.A. Standard related to the following areas :

History of Hindi Language and Literature, w orks of prominent personalities of Hindi Language and Literature.

Scientific and a cademic topics related to Hindi language and literature, General Hindi Grammar/Linguistics.

There is negative marking and 0.33 marks will be deducted from total marks obtained by the candidate for each wrong answer.

M.Phil and Ph.D. (Hindi)

The question paper of M.Phil. and Ph.D. courses shall consist of 70 marks in two sections, as per the UGC Regulations 2016.

Part A – 35 marks will be on Research Methodology that includes:

Data collection process; publication research, interviews, surveys and other research techniques; researching present and historical information; Quantitative methods, Data interpretation, Aptitude and Logical Reasoning.

This part of the Entrance Test will be on the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 35 marks will be on subject concerned which is as follows :

The areas from which questions will be asked include: History of Hindi Literature, History of Hindi language, General Linguistics, Works of prominent personalities of Hindi Language and Literature, Scientific and academic topics related to Hindi language and literature, Hindi Criticism, Indian, Western Poeties, Hindi Cinema, Journalism, Dalit, Adivasi Discoursers, Functional Hindi and Translations, Research Methodology, Women Writing in Hindi, Sociology of Literature, Bhakti Poetry, Comparative literature.

In addition, there is an Interview for 30 marks for shortlisted candidates.

Faculty

Professors

V. Krishna, Ph.D. (Osmania)- Modern literature, Philosophy of literature, Comparative studies, Functional Hindi, Translation, Dalit Literature and Identity Studies.

Ravi Ranjan, Ph.D. (Hyderabad)- Bhakti Poetry, Modern Literature, sociology of Literature & Literary Criticism

R.S. Sarraju, Ph.D. (Andhra)- Functional Hindi and Translation studies, Comparative Indian Literature, Sociology of Literature.

Sachidananda Chaturvedi, Ph.D, Sanskrit (Kanpur University), Ph.D. (Manipur University)- Sanskrit literature, Indian Poetics, General Linguistics, Modern Hindi Literature. (**Head**)

Gajendra Kumar Pathak, M.A.Hindi (JNU), M.Phil. (JNU), Ph.D. (V.K.S.U.)- Bhakti movement and poetry, Hindi navajagaran, Hindi Criticism, Philosophy of History of literature, Modern and contemporary Hindi Literature.

Alok Pandey, M.Phil. & Ph.D. (JNU) – Kabir, Nirala, Ageyay,, Media, Cinema, Cultural Studies, Interdisciplinary and comparative studies.

Cherla Annapurna, Ph.D PG & Research Institute (DBHPS) Language studies, Translation studies, Comparative and modern Literature.

Vishnu Ramba Sarwade, Ph.D Dr.B.R Ambedkar Martwada University Aurangabad, Adunik sahity Hindi sahitya ke vividh vimarsh (Dalit, adivasi, stri, alpsankyank etc., Tulanatmak adyayan.

M. Shyam Rao, Ph.D. (Hyderabad) – Modern Hindi Poetry, Modern Hindi prose, Aesthetics, Marxist Approach to Literature, Sociology of Literature, Comparative Literature, Indian Literature.

Associate Professors

Bhim Singh, Ph.D. (Delhi)- Modern Hindi Literature, Contemporary Hindi literature and Discourses, Historiography of Hindi Literature, Folk Literature of Rajasthan, Lexicography and Semantics.

M. Anjaneyulu, Ph.D. (Hyderabad)- Modern Hindi Literature, Comparative Studies, Bhakti Literature. Indian Literature.

Assistant Professor

J. Atmaram, Ph. D (Osmania)- Hindi Criticism, Modern Hindi Literature (Poetry & Prose), Functional Hindi and Translation, Social contest of Hindi language and Registers.

Department of Telugu

The main objective of the Department of Telugu is to promote studies in Telugu Language and Literature. The Department undertakes teaching and research in Telugu with emphasis on various aspects of historical and comparative studies in language and literature. The syllabus for various courses is drawn keeping in view the changing needs of society in relation to language use, and the role of literature in the society. An equal importance is also given for studies in Classical literature and Sanskrit, along with an interdisciplinary approach.

Programmes of Study

MA (Telugu)

The M.A. programme in Telugu is of four-semester duration with all the important areas of study. There are 3 Core and 2 Optional courses in each semester totalling 20 courses. All the courses are 4 credits each and the students of M.A. have to earn 80 credits to get the Degree. The courses are designed with an emphasis on all- round development of the personality of the students with adequate importance to job opportunities. The courses provide a wide range of specializations such as classical, modern, folk, Dalit and Diaspora literatures, literary criticism and aesthetics, traditional grammar, Telugu linguistics, computer application to Telugu language, and mass media.

M.Phil and Ph.D (Telugu)

The M.Phil is of 1- 1 ½ year duration which includes coursework and dissertation. In the first semester, there are 4 courses with 4 credits and in the 2nd semester, students have to write the dissertation.

The Ph.D. programme is entirely a research programme oriented towards studies in classical and modern Telugu literature, comparative literature and culture, history, and Language studies. The Ph.D. programme will normally extend over a minimum period of three years from the date of confirmation of admission and maximum of six years. The nature of the programme is individually designed for each candidate, but invariably includes course work in the first semester and later, a thesis on the approved topic under faculty guidance.

Entrance Examination

MA (Telugu)

The Entrance Examination for M.A. consists of 100 objective- type questions of one mark each to be answered in OMR Sheet. The questions will be based on graduation level in the areas of classical and modern literary works, genres, authors, quotations, grammar, chandas, alankaras, Andhra Culture, history of literature, and history of Telugu language, General Knowledge, current events etc. Negative marking is applicable for every wrong answer.

M.Phil (Telugu)

The Entrance Examination for M.Phil consists of 70 objective type questions at postgraduate level of one mark each to be answered in OMR sheet. Part A, 35 marks, will be on Research Methodology and Part B, 35 marks, on the subject concerned.

The questions will be based on classical and modern literature, linguistics and history of Telugu Language and Literature, grammar, chandas, alankaras, literary criticism, folk Literature, dramaturgy ,methodology, aesthetics, literary works, authors, basic Sanskrit knowledge, General Knowledge etc. The candidates who qualified in the written test have to attend an oral test for 30 marks. Negative marking is applicable for every wrong answer.

Ph.D (Telugu)

The Ph.D. Entrance Examination paper consists of 70 objective type questions at postgraduate level of one mark each to be answered in OMR sheet. Part A, 35 marks, will be on Research Methodology and Part B, 35 marks, on the subject concerned.

The questions will be based on classical and modern literature, linguistics and history of Telugu Language and Literature, grammar, chandas, alankaras, literary criticism, folk Literature, dramaturgy, methodology, aesthetics, literary works, authors, basic Sanskrit knowledge, General Knowledge etc. The candidates who qualified in the written test have to attend an oral test for 30 marks. Negative marking is applicable for every wrong answer.

Break-up weightages for M.Phil./Ph.D. interviews	Research Proposal and its defence: -5 marks Having UGC fellowship/M.Phil./ -5 marks Interview performance -20 marks

Faculty

Professors

S. Sarat Jyotsna Rani, M.A. (Acharya Nagarjuna), M.Phil.(UoH), Ph.D. (Osmania),
D. Litt. (Berhampur). Classical and Modern Literature; Modern Poetry; Folk Literature and Cultural History of Andhras, Telugu Drama and Literary Criticism.

Tummala Ramakrishna, M.A., M.Phil., Ph.D. (Sri Venkateswara). Modern Literature, Fiction Studies and Creative Writing and Text Book Preparation, Audio and Visual Lesson Preparation and Mass media writing.

G. Aruna Kumari, M.A. Telugu, M.A. Sanskrit, M.A. Philosophy (Osmania); M.Phil. and Ph.D. (UoH). D. Litt. (Berhampur). Modern Literature, Classical Literature, Folk Literature, Sanskrit, Logic and Inscriptional studies, Epigraphy and Manuscriptlogy, Comparative Literature. (**Head**)

Darla Venkateswara Rao, M.A. Telugu (UoH), M.A., Sociology (B.R.A.O.U.), M.Phil., Ph.D. -Telugu (UoH) P.G. Diploma in Linguistics & Teaching of Telugu Language (PSTU.), Diploma in Sanskrit (O.U). Comparative Aesthetics, Literary Criticism, Applied Criticism, Classical Literature, Modern Poetry, Dalit Literature, Sociological approach to Literature, Telugu Diaspora Literature.

Pillalamarri Ramulu, M.A. (Osmania) M.Phil., Ph.D. (UoH) P.G. Diploma in Sanskrit. Classical and Modern Literatures, East and West Aesthetic theories, Literary Criticism, Evolution of Telugu Literature, and Cultural Studies.

M.Gona Naik: M.A. (Sri Krishnadevaraya Univ.Ananthapuramu, A.P.), M.Phil. (SKD Univ) and Ph.D.(SKD Univ.) Modern Literature, Folk Literature and Classical Literature.

Yendluri Sudhakar Rao:M.A. (Osmania), M.Phil (Osmania), Ph.D.(PS Telugu University):Modern Literature, Classical Literature and Comparative Literature (Hindi and Urdu).

Pammi Pavan Kumar, M.A. Telugu (UoH), M.A. Linguistics (Annamalai), M.Phil., Ph.D. (UoH). Applied Linguistics, Natural Language Processing, Preparation of e-courseware.

D. Vijayalakshmi, M.A. Telugu (Madras), M.A. Linguistics (Annamalai), Ph.D (SPMVV, Tirupati) Diploma in Tamil (Madras), P.G. Diploma in Telugu Translation (SPMVV, Tirupati). Telugu Language, Literature. Applied Language study, Comparative Dravidian and Folklore.

Assistant Professors

B. Bhujanga Reddy, M.A., M.Phil. Telugu (UoH), M.A - Applied Linguistics, Ph.D. - Linguisitcs (PSTU), M.A. Sanskrit (Kakatiya) P.G. Diploma in Translation Studies, Literary Criticism, Literary Translation, Telugu Grammar and Linguistics.

D. Vijayakumari, M.A.(Andhra), M.Phil., Ph.D.(UoH). Folk Literature and Desi Literature.

Department of Urdu

The Department of Urdu aims at providing teaching and research facilities in Urdu. Special importance is given for studies in Deccani research especially editing of Deccani Manuscript and Classical Literature. The syllabus is updated keeping in view the changing needs of society. The syllabus includes job-oriented courses like Translation: theory and practice, Computer and Urdu software Practices, Urdu journalism and script writing for Audio-Visual media. This is the only Urdu department in the country with a Computer Lab. The Department conducts workshops, extension lectures by eminent scholars, and symposia/seminars of national and international repute. Our research programmes -- M.Phil and Ph.D -- receive good response.

Programmes of study

The Department offers M.A, M.Phil. and Ph.D. programmes in Urdu.

MA (Urdu)

The M.A. Urdu syllabus has both modern and inter-disciplinary features. The programme aims at giving a fair knowledge of all the important forms of Urdu Literature with introduction of other disciplines in the Humanities and the S ocial Sciences relevant to Urdu Literature. The programme consists of several innovative optional courses like translation t heory & p ractice, writing methods for a udio-visual media and c ore/c ompulsory courses in Computer & Urdu software practices and introduction to Urdu Journalism.

M.Phil (Urdu)

The M.Phil. Programme aims to : i) train students in research methodology so that he/she may pursue Ph.D. research in a systematic manner, and ii) familiarize the students with practical criticism so that their research does not became a mere enumeration of facts, but exhibits critical appreciation and evaluation of literary works.

Ph.D (Urdu)

Candidates for Ph.D will be required to work on a topic approved by the Departmental committee but our focus is on i) Interdisciplinary topics ii) Topics of Comparative Literature. Applicants for the Ph.D. course must submit along with their applications, a brief description (in about 500 words) of their proposed topic of research.

Entrance Examination

M.A. (Urdu)

The entrance examination for M.A. will consist of two parts, Part 'A' and Part 'B', with objective- type questions for 40 marks under part 'A' which will be based on General Knowledge and reasoning and part 'B' will be based on Urdu Language and Literature of 60 marks.

M.Phil. and Ph.D (Urdu)

The question paper of M.Phil. and Ph.D. courses shall consist of 70 marks in two sections, as per UGC regulations 2016.

Part A – 35 marks will be on Research Methodology that includes:
Data collection process; publication research, interviews, surveys and other research techniques; researching present and historical information; Quantitative methods, Data interpretation, Aptitude and Logical Reasoning. This part of the Entrance test will be in the UGC-CBSE/CSIR-JRF exam pattern.

Part 'B': 35 marks, will be on the subject concerned.

The examinations of M.Phil. and Ph.D. will be based on M.A. and M.Phil. s yllabi respectively. The question paper for both the examinations, will consist of objective type questions to be answered in the answer book. The candidates for M.Phil. And Ph.D. will have an interview for 30 marks.

Faculty

Professors

Dr. Habeeb Nisar: Ph.D (Hyderabad) Deccani Literature, Dastan, Interdisciplinary studies, Textual Criticism, Classical Prose and Poetry.

Dr. A.M.Syed Fazlullah: Urdu Journalism, Urdu Computer, Fiction, Non-fiction, Mass Media and Criticism. **(Head)**

Associate Professors

Dr. Arshia Jabeen: PhD (Hyderabad) Modern Prose, Modern Fiction, Modern Literary Criticism, Computer Studies.

Dr. Md. Zahidul Haque: Ph.D. (JNU) Classical Poetry, History of Urdu Language and Literature, Urdu Journalism and Mass Media, Comparative Literature.

Dr. Abdur Rab Manzar: Ph.D (Osmania) Modern Criticism, Modern Prose and Poetry.

Assistant Professors

Dr. Mohd. Kashif: PhD. (JNU) Modern Fiction and Mass Media.

Dr. Nishat Ahmed: Ph.D. (Hyderabad) Deccani Literature, Modern Prose and Poetry.

Dr. Rafia Begum: Ph.D. (Hyderabad) Fiction, Non Fiction and Modern Poetry.

Centre for Applied Linguistics and Translation Studies (CALTS)

The Centre for Applied Linguistics and Translation Studies (CALTS), established as a research centre in 1988, began offering a post-graduate programme in 1990. The Centre specializes in Language Interface Studies with an emphasis on Language Teaching, Sociolinguistics, Psycholinguistics, Translation Studies, Lexicography, Language Typology and Language Technology [for which a Special Assistance Programme has been sanctioned by UGC – Phase-I: 2002-2007, Phase-II: 2007-2012, DSA-I, 2015-2020]. Apart from being one of the advanced centres of teaching and research in Applied Linguistics and Translation Studies in the country, CALTS has also created a substantial computational facility for research and training in Natural Language Processing (NLP) and Machine Translation (MT). CALTS has faculty members specialized in the areas of Language Teaching, Syntax, Semantics, Historical Linguistics, Psycholinguistics, Sociolinguistics and Translation studies involving different Classical and Modern Indian Languages such as Telugu, Tamil, Kannada, Marathi, Bangla and Khasi.

CALTS has undertaken major research projects like Indian Language to Indian Language Machine Translation (IL-ILMT), Shallow Parser Tools for Indian Languages (SPTIL: Assamese, Bodo, Dogri, Gujarati, Hindi, Konkani, Kashmiri, Maithili, Manipuri, Nepali, Odia and Santali) and Indian Languages Corpora Initiative (ILCI) Phase II funded by DeITY, Ministry of Communications and IT, Govt. of India. CALTS has been evaluated and rated by the Research Council of the United Kingdom as a Centre of Excellence in 2010 among 32 important institutions in the country.

Programmes of study

The Centre offers the following programmes:
i) Integrated M.A. in Language Sciences
ii) M.A. in Applied Linguistics
iii) M.Phil. in Applied Linguistics
iv) M.Phil. in Translation Studies
v) Ph.D. in Applied Linguistics
vi) Ph.D. in Translation Studies

I.M.A. (Language Sciences)

This ten-semester programme trains students in Humanities in the emerging areas of Computational Linguistics, Language Technology and Cognitive Linguistics among others. The course is offered through the College for Integrated Studies.

M.A. (Applied Linguistics)

This is a four-semester programme with 4 papers per semester, in addition to two Foundation Courses one each in the first two semesters. The compulsory courses include: Phonetics and Phonology, Morphology, Syntax, Semantics, Language Teaching & Testing, Translation Studies, Computational Linguistics, Historical Linguistics, Psycholinguistics and Sociolinguistics. The electives offered include: Formal Semantics, Advanced Morphology (Word Formation), Advanced Topics in Sociolinguistics, Advanced Computational Linguistics, Machine Translation, Computational Lexicography, Linguistics and Literature, Analytical Techniques, Structure of Select Indian languages (Telugu, Tamil, Kannada, Marathi, Khasi etc.), Advanced Syntax, etc.

M.Phil. (Applied Linguistics/Translation Studies)

Courses are offered for a maximum period of three semesters. Out of which the first semester of the first year is for Course work which comprises four papers (16 credits) and the remaining two semesters are for dissertation, on topics approved by the Centre. The dissertation has to be submitted by the end of the third semester.

Ph.D. in Applied Linguistics/Translation Studies

The tenure for Ph.D. is as per UGC norms. The students need to fulfil the UGC requirements for successful completion of the programme. The programme consists of two parts - Coursework and thesis submission. The course work comprises four papers (16 credits) spread over 2 semesters of the first year. It is followed by submission of a thesis on a research topic approved by the Centre. The course is tailor-made to cater to the specific requirements pertaining to the research interests of individual research scholars.

Entrance Examination

The pattern of the question paper for the entrance examination 2020 shall be as follows:

M.A. in Applied Linguistics (100 marks)

There will be 100 objective type questions spread across five sections:
Section - A: Verbal & Numerical Aptitude -- 20 marks
Section - B: Analytical Aptitude -- 20 marks
Section - C: Knowledge of English -- 20 marks
Section - D: Knowledge of World Languages -- 20 marks
Section - E: Language Analysis & Problem-Solving -- 20 marks

IMA Language Sciences (100 marks)

There will be 100 objective type questions spread across three parts to test
Part –A: Knowledge and Awareness of World Languages -- 40 marks
Part –B: Competence in English -- 35 marks
Part –C: Competence in the current affairs and general knowledge -- 25 marks

(For details look under College for Integrated Studies)

M.Phil. and Ph.D.

The question papers of M.Phil. and Ph.D. Courses shall consist of 70 marks in two sections, as per the UGC Regulations 2016.

Part A: 35 marks will be on Research Methodology and broadly will be as follows:
Research Methodology: Data collection process; publication research, interviews, surveys, historical research, quantitative methods, data interpretation; Aptitude and logical reasoning.
This part of the Entrance Test will be in the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 35 marks will be on subject concerned.
In addition to this, there will be an interview for 25 marks for those who qualify in the written examination.

Note:
1. The question papers of M.A. M.Phil. and Ph.D. are in the objective type and shall be answered in an OMR sheet following the instructions given both in the question papers and the OMR sheet.
2. There is a negative marking of 0.33 marks for each wrong answer.

Faculty

Professors

Shivarama Padikkal, Ph.D. (Mangalore): Translation Studies, Cultural Studies, Kannada Language & Literature.

J. Prabhakara Rao, Ph.D. (Moscow): Systemic Linguistics and Systemic Typology, Mathematical & Computational Linguistics, Methodology of Linguistics, Translation Studies, Russian Linguistics and Russian as a Foreign Language.

K. Rajyarama, Ph.D. (UoH): Derivational Morphology, Morpho-Syntax, Language Teaching & Testing, Machine Translation, Translation Theory and Practice. (**Head**)

Bhimrao Panda Bhosale, Ph.D. (Aurangabad): Stylistics, Linguistics, Applied Linguistics, Poetry, Critical Theory, Translation, Ambedkar Studies, Comparative Literature.

Associate Professors
Gracious Mary Temsen, Ph.D. (Delhi): Syntax, Linguistic Typology, Language Documentation, Khasi Linguistics.

S. Arulmozi, Ph.D. (UoH): Computational Linguistics, Sociolinguistics, Language Analysis.

Assistant Professors
K. Parameswari, Ph.D. (UoH): Computational Linguistics & Machine Translation, Linguistic Divergence.

Sriparna Das, Ph.D. (UoH): Translation Studies, Gender Studies, Literature Studies.

Morey Dipak Tryambak, Ph.D. (EFLU): Phonology: Linear and Non-Linear Phonology.

Y. Viswanatha Naidu, pursuing Ph.D. (Sweden): Linguistics & Computational Linguistics, Semantic Typology.

G. Uma Maheshwara Rao, Ph.D. (Osmania): Computational Linguistics & Machine Translation, Historical Linguistics and Remote Genetic Relations in Mongolian, Turkic and Dravidian families, Derivational Morphology, Nonlinear Phonology (Retired & re-employed)

Vacancy position in M.Phil and Ph.D. programmes

Prof. Bhimrao Panda Bhosale: M.Phil. (AL) - 1 and M.Phil. (TS) - 2
Areas of specialization: Systemic Functional Linguistics, Translation, Stylistics and Discourse Analysis
Ph.D. (AL) - 2 and Ph.D. (TS) - 2
Areas of specialization: Systemic Functional Linguistics, Translation, Stylistics and Discourse Analysis

Dr. Gracious Mary Temsen: M.Phil. (AL) -1 and Ph.D. (AL) - 2
Areas of specialization: Typology, Syntax and Morpho-Syntax

Dr. S. Arulmozi
M.Phil. (AL) - 1
Area of specialization: Computational Linguistics

Dr. K. Parameswari
M.Phil. (AL) - 1
Area of specialization: Computational Linguistics

Dr. Sriparna Das
M.Phil. (TS) - 1
Area of specialization: Translation Studies (Literary Translation, Gender and Translation, Culture and Translation)

Dr. Morey Dipak Tryambak
Ph.D. (AL) - 4
Area of specialization: Phonology

Centre for Comparative Literature (CCL)

The Centre for Comparative Literature, functioning since 1988, aims at providing an interface between literatures and cultures. The Centre offers M.A., M.Phil. and Ph.D. programmes which encourage a study of systems of knowledge in order to develop a critical awareness of socio-political and cultural discourses.

Programmes of Study

MA (Comparative Literature)
The M.A. in Comparative Literature is a four-semester programme and each semester carries 16 credits, apart from two foundation courses in the first year. There is continuous evaluation followed by semester-end examinations. The programme allows a choice of elective courses and a research-oriented dissertation in the fourth semester. While the programme traces the history of

the discipline and the development of methodologies, it also emphasizes Translation Studies and Cultural Studies as tools to engage with literatures and cultures.

M.Phil (Comparative Literature)
The M.Phil. in Comparative Literature is a three-semester programme, including course-work and dissertation, with maximum one more semester extension. The first semester course-work, of compulsory / elective courses for 16 credits, has continuous evaluation and a semester-end examination. By the end of the second / third semester, the student is required to submit a dissertation, written under faculty guidance on an approved topic, as per the rules and regulations of the Centre/University.

Ph.D (Comparative Literature)
The Ph.D. in Comparative Literature extends over a minimum period of two years. The nature of the programme is decided by the student in consultation with faculty, but the requirements invariably include course-work comprising 16 credits over two semesters and a thesis on an approved topic under faculty supervision.

Entrance Examination

MA (Comparative Literature)
The entrance examination for M.A. will carry 100 marks, comprising questions of objective type that will test the candidate's English language / literary comprehension skills as well as awareness of Indian / world literatures, literary criticism / theory and contemporary trends / movements.

M.Phil and Ph.D (Comparative Literature)
The entrance examination for M.Phil. / Ph.D. will carry 70 marks and consists of objective type questions in two parts. Part A for 35 marks will be on research / analytical / reasoning capabilities. Part B for 35 marks will test the candidate's knowledge of Indian / world literatures, comparative / literary / cultural theories, contemporary trends / movements as well as English language proficiency.

Applicants for the M.Phil. programme must submit along with the application a brief research proposal (about 500 words). Applicants for Ph.D. admission must submit along with the application a brief research proposal (about 750 words).

Short-listed M.Phil. / Ph.D. candidates are to appear for an interview (30 marks), with six copies of their research proposal, on dates notified by the Centre/University.

Faculty

Professors
M.T. Ansari, Ph.D. (EFLU, Hyderabad) – Cultural Studies, Criticism and Theory, Kerala Studies, Minority Discourse.

Sowmya Dechamma C.C., Ph.D. (Hyderabad) – Literatures of India, Translation Studies, Gender and Minority Discourse, Kodava Language and Cultural Discourse.

Associate Professor
J. Bheemaiah, Ph.D. (Osmania) – Dalit and Tribal Studies, Indian Literatures, Literature of the Margins, Culture Studies.

Department of Sanskrit Studies

The Department offers a Ph.D programme in Sanskrit Studies. The present focus of programmeme is in Language Technologies and Ayurveda. The Ph.D. Programmeme extends over a minimum period of two years from the date of confirmation of admission. The nature of each course is individually decided for each candidate, which will include a minimum of three courses and a dissertation on an approved topic under the faculty guidance.

The goal of Language Technologies discipline is to train Sanskrit Scholars in the emerging field of Sanskrit Computational Linguistics showing the relevance of traditional śābdabodha theories to the field to computational Linguistics, thus bridging the gap between the past and the present.

The goal of Ayurveda discipline is to conduct literary research in Ayurveda to redefine the concept of 'svāsthya' while establishing an interdisciplinary dialog between Sanskrit, philosophy and medical science. Students are trained to work in Indian psychology, linguistic aspects of Ayurveda samhitās, translation related problems and encouraged to generate data useful for pre-clinical research, based on original texts.

Programmes of Study
The department offers an **MA (Sanskrit Studies)** & **Ph.D (Sanskrit Studies)**.

Faculty

Amba Kulkarni, Professor (Head)
J.S.R. Prasad, Professor
Aloka Parasher Sen, Emeritus Professor

Centre for English Language Studies

The Centre for English Language Studies caters to a diverse group of students across disciplines and is emerging as a research and resource centre for language studies. The Centre offers **M.A, M.Phil and Ph.D.** programmes in English Language Studies. English language education and other aspects of language study such as linguistics and history of English in India, are some focal areas. The Centre is also engaged in the teaching of English at the Centre for Integrated Studies for Integrated Masters students, besides offering need-based courses on Academic Writing, Communication Skills and Technical Writing to students at the postgraduate and research levels.

The research interests of the faculty at the Centre span several areas of language studies and aspects of pedagogy. The faculty of the Centre publish in areas pertaining to their research interests and are part of ongoing research projects.

Programmes of study

M.A. in English Language Studies
The MA programme covers a wide range of areas in the field of English Language studies. It has courses drawn from Linguistics, English Language Teaching, Sociolinguistics, Pedagogy, etc. The programme extends over four semesters and has a minimum of 70 credits. Apart from the core courses, the programme has elective courses which are offered in the third and fourth semesters.

The electives offered enable the students to specialize in specific domains like language teaching, corporate communication, technical writing, editing, etc. Students are encouraged to opt for courses outside the Centre as well.

Ph.D (English Language Studies)

The Ph.D. programme normally extends over a minimum period of two years from the date of admission. The programme comprises mandatory course work of 12 credits spread over the first and second semester. Scholars are required to write a thesis on an approved topic under the supervision of a faculty member. The thesis is examined by internal and external examiners and is followed by a viva voce examination. During the period of research, scholars are required to give seminars on their "work-in-progress" every semester.

Entrance Examination

MA (English Language Studies)

The Entrance Examination will be in two parts:

Part A: 25 Marks; 25 multiple-choice questions testing English language proficiency. (Negative marking: 0.33 deducted for every wrong answer; no marks deducted for questions not attempted).

Part B: 75 Marks; multiple-choice questions on basics of Linguistics and ELT, and questions testing analytical and problem solving abilities. (No negative marking)

Ph.D (English Language Studies)

Written Examination: 70 Marks.The Ph.D Entrance Examination will be in two parts:

Part A: 35 marks;this part will be on Research Methodology and will test the following:

Basics of research such as research processes, types of research, research design, variables, measurement and scaling techniques, sampling and data collection methods, data processing and data analysis and research report writing.

Part B: 35 marks; this part will be on the subject concerned i.e. English language education and English Linguistics.

This will consist of two sections:

Multiple choice questions worth 20 marks and an essay question for 15 marks. In addition, there will be an Interview for 30 marks for shortlisted candidates.

Other information:

Applicants for admission to the Ph.D. programme must submit, along with the application, a brief description (about 1000 words) of their proposed topic of research.

Faculty

Professors

Pingali Sailaja, Ph.D. (CIEFL, Hyderabad); Phonetics, Phonology, Morphology, Sociolinguistics, World Englishes, Indian English, English Language Education, Testing and Assessment, English in India: Historical, Educational and Linguistic aspects.

Sunita Mishra, Ph.D. (CIEFL, Hyderabad); Politics of English Language Education, Sociolinguistics, Discourse Studies, Critical Pedagogy, History of English Language Teaching in India, especially Odisha, and Indian Philosophy of Language. (Head of the Centre)

Associate Professor

Shree Deepa, Ph.D.(Osmania), M.Ed (Bharathidasan University), PGDTE (CIEFL); English Language Education, Stylistics, Teacher Education, Inclusive Education, Critical Thinking, Corporate Training, English for Specific Purposes.

Assistant Professors

Jyothi Hymavathi Devi, M.Phil Translation Studies (University of Hyderabad); English Language Teaching, Translation Studies, Research Methods, Psychology of Language Learning.

Jasti Appa Swami, Ph.D (Osmania); Academic Writing, Discourse Analysis, Genre Pedagogy, English for Specific Purposes (ESP), Systemic Functional Linguistics (SFL), Second Language Reading and Writing, and Corpus Applications to Language Learning and Teaching.

Joy Anuradha, Ph.D. (CIEFL, Hyderabad); Cognitive Linguistics, Systemic Functional Linguistics, Psycholinguistics, English Language Education, and Technical Communication.

SCHOOL OF SOCIAL SCIENCES

The School of Social Sciences comprises the following Departments and Centres.

Departments
Department of History
Department of Political Science
Department of Sociology
Department of Anthropology
Department of Education and Education Technology

Centres
Centre for Regional Studies
Centre for Folk Culture Studies
Centre for Study of Social Exclusion and Inclusive Policy
Centre for Study of Indian Diaspora
Centre for Knowledge, Culture and Innovation Studies
Centre for Human Rights
Centre for Ambedkar Studies
Centre for Women's Studies

All the Departments (Anthropology History, Political Science and Sociology) have been recognised by the University Grants Commission for the Special Assistance Programme and the Department of Political Science as the Centre for Advanced Studies.

An Archival Cell with the support of the UGC is functioning under the auspices of the Department of History for preservation of rare and valuable manuscripts. The Department of Anthropology has developed a Museum as a teaching aid for the students. The Centre for Folk Culture Studies has an Audio Visual Archive containing the Centre's field work, documenting films, etc., The Centre for the Study of Indian Diaspora has a special library consisting of historical material (diasporic literature) collected from different parts of India. All the Departments are equipped with Internet facilities.

The School offers a 5-Years Integrated Programme in Social Sciences leading to a Master's Degree in History, Political Science, Sociology, and Anthropology. For the first three years, the students admitted to the programme do courses offered by various departments in the School and at other Schools in the University conducted at the Centre for Integrated Studies At the end of the three years, students are transferred to their parent departments, namely, Departments of History, Political Science, Sociology and Anthropology.

From the Academic Year 2018-19, the School of Social Sciences under the Department of Education and Education Technology (DEET) is offering M.A. Education, Ph.D. in Education. From the Academic Year 2020-21, the Department is offering M.Ed. Programme – subject to getting approval from NCTE.

Prof. Arun Kumar Patnaik, Department of Political Science is the **Dean** of the School.

Department of History

The Department of History offers courses leading to M.A., MPhil and Ph.D. degrees It also offers 10 courses in history for the first three years of IMA (5-year integrated) programme in Social Sciences. Its teaching programme is designed to provide students with a broad overview of world history narrowing down to focus on the history of India with special emphasis on socio-economic history, science & technology, environment and cultural history.

There is a two-fold aim of all research activities in the Department: a) Widening the database in its studies of local and regional history, and b) introducing an interdisciplinary approach to understand the underlying social and economic realities of the history of India through the ages. The Department has also been involved in guiding research on North- East India, science & technology, environment, medicine, economic history, maritime history, women's history, Indian national movement, peasant and tribal movements, cultural history, and contemporary history.

Infrastructure

Under the support from the Special Assistance Programme of the UGC, the Department has been able to purchase a large number of books on most of the recent writings on history. Under the UGC Programme of Universities with Potential for Excellence (UPE) the Department strengthened its infrastructural facilities. It has also been able to support the subscription of several foreign and Indian journals in the discipline of History. The Archival Cell in the Department contains several private papers of individuals who participated in the freedom movement. The Department has an archaeological museum containing antiquities representing artifacts from stone ages to late medieval period.

The Department of History has a Computer Laboratory with 12 computers and a printer.

Programmes of Study

MA (History)
This is a two-year programme consisting of 16 courses spread over four semesters, with four courses per semester. The main thrust of the first two semesters is to equip students in certain core compulsory courses in both Indian and non-Indian history. These are designed to be comprehensive and to introduce students into the various interpretative dimensions of understanding the history of human civilization with a focus on India. During semesters III and IV a wide range of special courses are offered as optionals by the Department, thus providing an opportunity for students to specialize in specific areas of Indian history. Students also have an opportunity to do at least two courses outside the Department during their third and fourth semesters with the aim to encourage interdisciplinary studies. The Students securing an overall CGPA of 7.5 in the first two semesters would be allowed to do a dissertation of 12000 words in the IV semester. Dissertation is purely optional and will be in lieu of a standard 4-credit course.

M.Phil (History)
The M.Phil programme covers three semesters including dissertation, extendable by one semester. During the first semester, three compulsory courses have to be done by the students. The focus is on issues of historical interpretation and method. One of these is an intensive introduction to the problem being researched by the individual student leading in the following semester to the writing of a dissertation under the guidance of a faculty member on an approved topic.

Ph.D (History)
The Ph.D programme is mainly a research programme. Those students admitted directly without M.Phil degree are required to do the course work and pass the examinations conducted by the Department. Students undertake research on an approved topic under the guidance of a faculty member.

Entrance Examination

M A (History)
The entrance examination will be of 100 marks. It will consist of 100 multiple choice questions of one mark each. Students will be tested on their knowledge of Indian history, World history, and comprehension.

M.Phil. and Ph.D. (History)
The question paper of M.Phil. and Ph.D. Courses shall consist of 70 marks in two sections. Part A will be on Research Methodology and Part B will be on subject concerned (consists of questions on Indian History). The pattern of exam would be in essay form.

There is an Interview for 30 marks for shortlisted candidates. The break-up of 30 marks would be as follows: 15 marks for interview performance, 10 marks for proposal and 5 marks for MPhil awarded/submitted/JRF (UGC/ICHR/ICSSR).

Faculty

Professors
Rila Mukherjee: Ph.D. (Paris) - Economic History of South Asia, Early Modern European History, Democracy and Citizenship Studies, Maritime and Oceanic History, Historical Cartography

K P Rao : Ph.D. (Nagpur) - Field Archaeology, Pre and Proto History, Ancient Indian History, Iron Age, Megalithic Culture and Ancient Trade

Rekha Pande: Ph.D. (Allahabad)- Medieval Indian History, Women's History, Cultural History, History of Medieval Science & Technology, Socio and Religious History, Women's Studies.

Sanjay Subodh: Ph.D. (Chandigarh) – Medieval Indian Historiography, Science and Technology, Medieval Archaeology (Director, College for Integrated Studies).

Bhangya Bhukya: Ph.D. (Warwick, UK) - Modern Indian History. His research interests are community histories, the effects of power/knowledge, governmentality and dominance, the state and Nationalism, intellectual histories of subaltern communities, identity politics by forest and hill people in the nineteenth and twentieth century.
(**Head of the Department**)

Anindita Mukhopadhyay: Ph.D. (London) - Modern Indian History, Modern Western Ideas and their impact, Law and Society, Society and Culture.

Associate Professors
Y Swarupa R Shankar: Ph.D. (Hyderabad)- Modern Indian History, Social and Cultural History of South India, Women's History, Historiography.

B Eswara Rao: Ph.D (IIT Madras)- History of science, Technology and Medicine, Environmental History.

V Rajagopal: Ph.D. (Wisconsin) – Modern Indian History, Social History, History of South India.

V J Varghese: Ph.D. (Hyderabad) - Modern Indian History, Modern Kerala, Making of Modern Subjectivities, Regional Modernities, Transnational Migrations.

Assistant Professors

M N Rajesh: Ph.D. (JNU, Delhi) - Medieval Indian History, Socio- Religious Movements and Polity in South India and the Deccan, Tibetan History and Culture.

Rashmi: Ph.D. (JNU, Delhi) - Medieval and Early Modern Indian History, Urban History, Cities and Maritime History.

Vijaya Ramadas M: Ph.D. (Manchester)- Modern Indian History, Environmental History.

Department of Political Science

The Department of Political Science, started in 1979, has 18 faculty members and 300 students now. Recognized by the UGC as a Centre for Advanced Studies, the Department has completed the first phase of the programme, with "Democracy, Development and Autonomy: India in a Globalising World" as the thrust area.

Programmes of Study

MA (Political Science)

The M.A. programme in Political Science consists of 16 courses (8 core courses and 8 optional courses) spread evenly over 4 semesters. Each course carries 4 credits. In addition, students must complete 2 Foundation Courses (3 credits each), in the first two semesters. In formulating the programme, the Department is guided by the consideration that at the postgraduate level, students should be familiar with all the sub-disciplines, trends, approaches, and paradigms of Political Science. With this in view, the Department offers core courses on Political Thought, Comparative Politics, International Relations, Indian Political Process, Public Administration and Public Policy. These courses attempt to acquaint students with the latest theoretical and political trends. After completing 8 core courses in the first two semesters, students are required to choose 8 optional courses, 4 each in the third and fourth semesters, in frontier areas such as Dalit Politics, Women's Movements, Governance, Policy Studies, Indian Political Thought, India's Foreign Policy and Globalization. Students can also opt for 2 courses offered by other departments as optionals in the second year. The Foundation Courses are designed to enhance skill sets in general.

M.Phil (Political Science)

The M.Phil. programme is for 2 semesters. Students are required to devote the first semester to course work, which consists of two courses in Research Methodology (4 credits each), one course on Academic Writing (2 credits) and one course in the field of student's research interest (4 credits, and directed by the Supervisor). In the following semester, students are required to present their research proposals and write a dissertation on an approved topic under the

supervision of a faculty member and research advisory committee. The committee consists of the supervisor and a faculty member and meets at least once a semester. All M.Phil students are required to defend their theses in a pre-submission seminar and viva-voce.

Ph.D (Political Science)

The Ph.D. programme is for 3-6 years. Students are required to write a thesis on a topic approved by the Department. Students will work with their supervisors and doctoral research committees in researching and writing the thesis. In each semester, they must secure a satisfactory report from the doctoral committee in order to be able to register. They will be required to present and defend their research proposals in a seminar organized by the Department. Doctoral students are encouraged to present their work-in-progress at least once during their tenure in the Department. All Ph.D. students are required to defend their theses in a pre-submission seminar and viva-voce. Students who do not have an M. Phil degree with coursework on research methodology and academic writing will have to do the course work as part of their Ph. D. programme.

Entrance Examination

M.A.

The written test for admission to MA Political Science consists of 100 multiple choice questions (1 mark each) that test the general knowledge about politics, subject specific knowledge, and passage comprehension abilities of the candidate. The candidate must answer in the OMR sheet.

The MA questions are based on the undergraduate syllabus of BA (Political Science) taught in universities/colleges across India. This broadly covers the areas of Political Theory and Thought (including Indian Thought), Indian Government and Politics, Public Administration, International Relations and Comparative Government and Politics.

MPhil/Ph.D.

The question paper of MPhil/PhD consists of 70 multiple choice questions (1 mark each) that test the general knowledge about politics, subject specific knowledge, familiarity with research methodology and the passage comprehension abilities of a candidate.

The questions are based on the syllabus of MA (Political Science) as taught in universities/colleges across India, with the following sub-fields:

Indian Government and Politics: Indian constitution, institutions and structures of governance, federalism, parties and party system, elections, civil society, social and political movements

Political Theory and Thought (Western and Indian): Major Western Political Thinkers from Plato to Marx and Mill, Twentieth century developments in Political Theory, Political Concepts, Political Ideologies, Ancient Indian Political Thought: Texts and Concepts, Modern Indian Political Thought: Thinkers, Concepts and Isms.

Comparative Politics: Political Institutions, Regimes, Systems and Isms, Rights and Social Movements, Major Issues and events within countries, Concepts for understanding political processes.

Public Policy/Public Administration: Meaning, Principles, Origin as a discipline, Approaches to study Public Policy/Public Administration, Types of policies, Formal and informal institutions and structures, Techniques of policy decisions.

International Relations: Theories in International Relations, Events and Issues in World Politics (Historical and Contemporary), International Organizations, State and Non-State Actors, International Law, Processes in International Relations (pertaining to security, economic, diplomatic, cultural and non-traditional arenas), Foreign Policies and International Approaches of States and Regions.

The above mentioned sub-fields also include Research Methodology (approaches, theories, concepts, analysis, techniques etc) as pertaining to research within the sub-field.

The **MPhil/Ph.D.** question paper will consist of Part A and B.
Part A – The questions will cover research methodology. Research methodology would broadly comprise theory and concepts, approaches and techniques of empirical analysis including interviews, surveys and other research techniques, and could include both present and historical information. It would include Quantitative and Qualitative methods, Data interpretation, Aptitude and Logical Reasoning.
Part B –The questions will cover subject specific knowledge as mentioned in the sub-fields above.
The candidate must answer in the OMR sheet.

Candidates shortlisted in the qualifying exam will be called for an interview. The interview is to assess the knowledge of students in their areas of research interest, based on their research proposals, which must be submitted to the interview board at the time of the interview. The topic of research, hypotheses/research questions, goals or objectives of the study, statement of the problem and methods should be clearly written in the proposal. This is an essential requirement to interview the candidates for the selection. **Candidates will not be interviewed if they do not have a research proposal.** Candidates are advised to bring proof of additional qualifications such as JRF/M.PHIL/NET certificates and publications if any.

While the interview focuses on the research proposal and subject knowledge, some weightage is given for fellowships/M.Phil etc. Once admitted, students may be asked to modify or adapt their research proposals according to the supervisory expertise available in the Department. **Candidates may note that faculty members to guide Ph.D research in International Relations are not available for the year 2020-2021.**

Faculty
Professors
Arun Kumar Patnaik, Ph.D. (JNU) – Political Theory, Political Economy of Development. (**Dean**)

Jyotirmaya Sharma, M.A. (Hull) – Political Philosophy/Theory, Indian Political Thought (on leave).

K.C. Suri, Ph.D. (JNU) – Indian Political Process and Public Policy

Vasanthi Srinivasan, Ph.D. (Ottawa) – Political Philosophy, Comparative Politics, Indian Political Ideas

Sanjay Palshikar, Ph.D. (Poona) - Political Theory, Indian Political Thought

Prithvi Ram Mudiam, Ph.D. (London) – International Relations, Indian Foreign Policy, South Asian Politics, International Political Economy.

Manjari Katju, Ph.D. (London) – Indian Political Process, Politics of Hindu Nationalism, State Institutions (**Head of Department**)

Kham Khan Suan Hausing, Ph.D. (JNU) Federalism, Nationalism, Ethnic Conflict, Indian Politics, Northeast India.

R. Ramdas, Ph.D. (JNU) – Indian Political Process, Tribal Development, Comparative Politics.

Venkatesu. E., Ph.D. (Hyderabad) – Democratic Decentralization and Governance, Public Policy, Backward Class Politics, Election Studies and Political Process in India.

K. K. Kailash, Ph.D. (JNU) – Indian Political Process, Comparative Federalism, Party Politics.

Associate Professors

K.Y. Ratnam, Ph.D. (JNU) – Indian Political Process, Dalit Politics in India, Democratic Process in Andhra Pradesh.

Biju. B. L., Ph.D. (Kerala) – Political Theory, Indian Political Process, Politics of Globalization, Society and Politics in Kerala.

Assistant Professors

Shaji. S., Ph.D. (Hyderabad) – International Relations, Foreign Policy of India, Foreign Policies of Developing States, Transfer of Technology and International Politics.

Aparna Devare, Ph.D. (American University, Washington D.C.) - Comparative Politics, Historiography, Indian Politics, International Relations Theory, Post- colonial Theory, World Politics (on leave).

D. Veera Babu, Ph.D (Osmania)—Public Policy

Bhim Bahadur Subba (DU) – Comparative Politics, International Relations, Chinese Studies

Sneha Banerjee, Ph.D (JNU)-- Comparative Politics, Public Policy, Gender Studies, Global Political Economy

Department of Sociology

The Department, constituted in the year 1979, has grown over the years to be one of the important centres of sociology teaching and research in the country. While emphasizing topics and themes central to the discipline, the Department's teaching and research activities have been oriented towards contemporary questions that have both basic and applied dimensions. The academic activities of the Department have a unique disciplinary and interdisciplinary orientation, designed to guide and support student development as independent learners as well as to inspire them to critically engage with policies, issues, and social action. While the department's prime focus is teaching, research is as much its strength. The learning ambience of the department is both informal and rigorous, being geared towards promoting a critical spirit of inquiry among students. The structure and content of our courses are meant to give a grounding that not only prepares students for future studies in sociology/social science, but also offers the benefits of learning to work in a constructive way in other areas of life.

Programmes of Study

Three programmes of study are offered leading to the **M.A**., **M.Phil** and **Ph.D**. degrees in Sociology. The Department also participates in the Five-Year Integrated Master's Programme in Social Sciences by offering a variety of courses at the Centre for Integrated Studies. At the end of three years, students in the Integrated Master's Programme have the option to join the Department with the regular M.A. students, subject to some conditions. The courses offered by the Department under the auspices of the Integrated Master's programme are the following: Introduction to Study of Society; Changing Indian Family; Equality and Inequality; Caste in Modern

India; Rural and Urban Societies; Roots of Social Protest; Contemporary Development Issues; Religion and Society; Introduction to Social Research; Work and Organizations; and Theories of Society.

MA (Sociology)

The M.A. Programme in Sociology is a four-semester programme spread over two years, and consists of 10 compulsory courses and six optional courses. Both the compulsory and optional courses are of four credits each. Students are allowed to take up to three of the six optional courses from other departments, subject to the permission of the Head of the Department.

The Compulsory Courses for M.A. are the following : Classical Sociological Theory; Research Methods I - Survey Research and Basic Statistics; Society in India: Approaches; Society in India: Contemporary Issues; Knowing the Social World; Modern Sociological Theory; Research Methods II - Qualitative Research Methods; Social Stratification; Sociology of Development; and Political Sociology.

Some of the following Optional Courses for M.A. are: Sociology of Gender; Rural Society and Agrarian Change; Law, State and Society; People, Nation and State; Industrial Relations and Contemporary Capitalism; Urban Sociology; Science, Culture and Society; Technology, Culture and Society; Sociology of Organizations; Environmental Sociology; Sociology of Culture; Social Movements; Decentralized Governance and Development; Society and Sexuality, Sociology of Health, Sickness and Healing; Sociology of Education; Ethics and Society; Debating Ethnicity and Race; Sociology of Business, Industry and Labour; Indian Diaspora, Sociology of Backward Classes, and Sociology of Communication, Sociology of Dalits, Colonized Societies and Post-Colonial Predicaments. The Department will announce which of these optional courses will be offered every semester. The contents of most of these courses are available on the University Website.

M.Phil (Sociology)

The M.Phil. Programme is a preliminary research degree. The course work during the first semester consists of three compulsory courses in Advanced Sociological Theories, Research Methodology, Academic Writing and one Optional Course in the broad area of research in which the dissertation is planned. The M.Phil dissertation is expected to be completed before the end of the third semester, although students could also complete it by the end of the second semester. The examination of M.Phil course includes dissertation evaluation and an open house Viva Voce examination. The progress of the research candidate is monitored by a Research Advisory Committee convened and authorized by the respective supervisors.

Ph.D (Sociology)

The Ph.D. Programme is a full-time research programme covering a minimum of two years. Those Ph.D. students who have not done M.Phil coursework will have to do the coursework in Sociological Theories, Research Methodology, Academic Writing and one Optional Course in the broad area of research in which the dissertation is planned. The examination pattern of Ph.D. includes thesis evaluation and an open house Viva Voce examination. The progress of the research candidate is monitored by a Doctoral Committee convened and authorized by the respective supervisors.

Entrance Examination

MA (Sociology)

The M.A. entrance examination will be based on OMR. The components of the entrance examination question paper will be Comprehension 30 marks; Literary Passage 20 marks; Sociology 20 marks; Arithmetic & Reasoning 10 marks; and Current Affairs 20 marks.

M.Phil (Sociology)

The M.Phil entrance written test will be partly based on objective type OMR questions and partly on substantive writing. The qualifying marks are 50% in the entrance test which will be based on M.A. level Sociological Theory and Methods, both in the wider context of the discipline and in the specific context of India. Only the qualified candidates will have to appear in the interview. Candidates have to bring a written research proposal for the interview and answer questions on theory, methodology and area of proposed research interest.

Ph.D (Sociology)

The Ph.D. entrance test will be partly based on objective-type OMR questions and partly on substantive writing. The qualifying marks are 50% in the written test which will examine a candidate's knowledge of Sociological Theory and Methods. Ph.D. candidates will be interviewed on the general area of specialization indicated by them and their M.Phil. work if applicable. The qualified candidates will have to appear in the interview. Candidates have to bring a written research proposal for the interview and answer questions on theory, methodology and area of proposed research interest.

Admitted Ph.D. candidates will be required to undertake course work, if recommended by the Department. The candidates seeking admission to the Ph.D. programme must submit with their application, an outline of their research proposal bringing out specific theoretical and methodological approaches to be employed.

Faculty

Professors

Sasheej Hegde, Ph.D. (Bangalore) – Philosophy of Social Science, Social and Political Theory, Law and Ethics, and Indian Sociology/Historiography.

Aparna Rayaprol, Ph.D. (University of Pittsburgh) – Sociology of Gender, Indian Diaspora, Urban Sociology, and Qualitative Research Methods.

N. Purendra Prasad, Ph.D. (Hyderabad) – Agrarian Studies, Sociological Theory, Political Economy of Development and Health, Urban Studies (**Head of the Department**).

C. Raghava Reddy, Ph.D. (Hyderabad) – Science and Technology Studies, Sociology of Organisations, and Sociology of Disability.

Nagaraju Gundimeda, Ph.D. (Hyderabad) – Sociology of Education, and Information Technology and Society.

Pushpesh Kumar, Ph.D. (Jamia Millia Islamia) – Sociology of Gender and Sexuality, & Globalisation and Social Change.

Tanweer Fazal, Ph.D. (JNU) - Sociology of Nationalism & Minority Studies, Historical Sociology, Peace and Conflict Studies

L. Lam Khan Piang, Ph.D. (JNU) - Ethnicity, Identity, nation and nationalism, tribal studies, border studies, health system research, and Quantitative Techniques

Associate Professors

V. Janardhan, Ph.D. (Hyderabad) – Sociology of Industrial Relations, Corporate Business and Society, Sociology of Culture, Sociological Theory, Marxism and Capitalism, and Ethics and Society.

Satyapriya Rout, Ph.D. (Mysore) – Sociology of Environment, Natural Resource Management and Development, and Decentralized Governance.

Anurekha Chari Wagh, (Pune) - Sociology of Gender, Development studies, Agrarian studies, Citizenship rights and Teaching and Pedagogy

Assistant Professors

N. Annavaram, M.Phil. (JNU) – Indian Sociology and Classical Sociological Thought.

Hoineilhing Sitlhou, Ph.D. (JNU.) – Religion, Culture and Ethnicity Studies.

Nagalakshmi Chelluri, Ph.D. (Hyderabad) – Sociology of Organisations, Sociology of Science and Technology.

R. Thirunavukkarasu, Ph.D. (JNU.) – Political and Historical Sociology, Social Movements, Ethnicity, Nation and Nationalism.

Asima Jena, Ph.D. (Hyderabad) - Sexuality Studies, Sociology of Health, Sociology of Gender.

Department of Anthropology

The Department of Anthropology, set up in 1988-89, has earned the reputation of being one of the best Departments in the country, particularly for the faculty publications, extra mural research grants and academic outreach. It is also noted for the number of students qualifying in the National Eligibility Test (NET) and for research fellowships by UGC, ICMR, ICSSR and other bodies. The UGC awarded the Special Assistance Programme (SAP) first in the year 2011-12 and now the Department is awarded with the UGC-DRS (Departmental Research Support) - phase II. The Department imparts training in theoretical and applied research in Anthropology, which equips students to meet the academic challenges in urban/rural/tribal field studies. Besides studying ethnographic diversity, the Department is oriented towards application of anthropological knowledge to the understanding of social problems and development issues. The department has developed a small museum as a teaching aid for students. The museum houses archaeological artefacts and cultural materials for research and learning. Practical training is imparted in Physical and Archaeological Anthropology courses.

Programmes of study

MA (Anthropology)

The Department offers a Master of Arts (M.A.) programme in Anthropology (Social/Cultural), besides participating in the College for Integrated Studies (CIS) **IMA** (Social Sciences) programme. The M.A. programme is of two years duration and comprises different courses under the Choice-Based Credit System (CBCS). The total credit requirement for M.A is 80 credits of which the

Department offers 28 credits under 'Foundation Courses', 16 credits under 'Core Electives', and 16 credits under 'Departmental Electives'. The 16 credits under 'Departmental Electives' can be earned by choosing any four courses of 4 credits each out of the 12 different courses that the Department may offer during the 3rd and 4th semesters of M.A programme. The courses under 'Departmental Electives' include: Development Anthropology, Ecological Anthropology, Medical Anthropology, Peasant Society, Economic Anthropology, Anthropology of Communication, Anthropological Linguistics, Natural Resource Management and Livelihood Systems, Kinship and Marriage, Anthropology of Religion, Business Anthropology, Urban Anthropology, Anthropology of Public Policy and Environmental Anthropology. The students can, however, opt to do more than the required credits under 'Audited courses', for which the students will be given certificates separately by the Head of the Department. The detailed course outlines of the different courses offered by the Department are available on the University website.

Submission of a dissertation to the Department, based on fieldwork, by the end of the 4th semester is a mandatory requirement to complete the M.A Programme. The student is expected to carry out about a month's field-based research assisted by the Department faculty at the end of the 3rd semester. The topics are decided in consultation with the Department faculty.

College for Integrated Studies: The Department offers seven courses including one compulsory course in the 2nd semester to the IMA (Social Sciences) students. These courses are: Introduction to Anthropology (2nd semester); Indian Civilization (3rd semester); Anthropology of Marginalized Communities (4th semester); Anthropological Theories of Human Society (5th semester); Prehistoric Cultures (5th semester); Anthropological Fieldwork (6th semester); and Approaches to Socio-Cultural Change (6th semester).

M.Phil (Anthropology)

The M.Phil programme is for two semesters. The first semester is devoted for course work consisting of two compulsory courses of 4 credits each, viz., 1) Advanced Anthropological Theories and 2) Advanced Research Methods, and one optional course of 4 credits, generally in the broad area of research on which the scholar's dissertation is planned. The second (and third semester, if required) is devoted for preparation and submission of M. Phil Dissertation.

Ph.D (Anthropology)

The Ph.D. is a full-fledged research programme on an approved research topic for a minimum period of two years. Students who are admitted to Ph.D. programme directly (i.e., without an M. Phil in Anthropology) are also required to do the course work prescribed for the M.Phil programme.

Entrance Examination

MA (Anthropology)

The M.A. entrance exam will consist of 100 objective-type questions of one mark each to be answered in an OMR sheet. The pattern of questions will be: a) General Studies/ Knowledge b) Social Science Aptitude c) Language and Communication skills d) Comprehension and e) Test of Reasoning. The Part-A of the question paper will have 25 questions of one mark each and a negative mark of 0.33 for every wrong answer. The Part-B will have 75 questions of one mark each and negative mark of 0.33 for every wrong answer. The marks scored in Part-A will be considered in case of any tie with other candidates.

M.Phil and Ph.D (Anthropology)

The **M.Phil.** and **Ph.D.** entrance examination consists of **Part-A** and **Part-B**.
Part-A will consist of fifty objective type questions. Each question will carry one mark for the right answer and **negative mark of 0.33** for every wrong answer. **Part-B**- will consist of descriptive questions of twenty marks.

The objective type questions are to be answered in the OMR sheet provided descriptive questions will be written in separarte sheet. Candidates will be selected on the basis of performance in the written test and evaluated based on their research proposal and interview (30 marks). The questions will be in the areas of: a) Anthropological Theories b) Research Methods (Quantitative and Qualitative) c) Indian Society d) Applied Anthropology and e) Tribal Ethnography/Indian Anthropologists.

Interview Weightage for M.Phil & Ph.D interview

Sl. No.	Weightage being considered	Marks
1	Interview and Proposal defence	25
2	Total	25

MPhil and PhD seats available in the Department (Faculty Wise Break –Up)

Sl. No	**Faculty**	**Areas for Supervision (2020-21)**	**M.Phil Vacancies**	**Ph.D Vacancies**
1	Prof. B V Sharma	Social Anthropology	2	Nil
2	Prof. M. Romesh Singh	Social Anthropology	1	Nil
3	Dr. Alok Kumar Pandey	Social Anthropology	Nil	1

Faculty

Professors
P. Venkata Rao, Ph.D. (Andhra)- Anthropology of Development, Economic Anthropology, Tribal Studies, Complex Societies, and Ageing.

B.V. Sharma, Ph.D. (Hyderabad)- Medical Anthropology; Anthropology of Education; Community participation in Development.

M. Romesh Singh, Ph.D. (Hyderabad)- Business Anthropology; Urban Anthropology, Anthropology of Development, and Indian society and Tribal Development Studies. (Head of the Department)

Associate Professors
George Tharakan C, Ph.D. (Hyderabad)- Kinship Studies; Theories of Culture; Indian Society.

Assistant Professors
Shaik Abdul Munaf, M.Sc. (S.V.U)- Archaeological Anthropology, Ethnoarchaeology, Indian Prehistory.

Apparao Thamminaina Ph.D. (Hyderabad). Ethnicity and Identity, Development, Globalization, Anthropology of Policy, Anthropological Theory, Urban Governance.

Alok K. Pandey, Ph.D. (Hyderabad) Environment and Development; Livelihoods; Pastoral and Nomadic Communities; Biodiversity Conservation; Mountain Regions.

Department of Education and Education Technology

The department strives to incorporate all elements of Educational Studies, from knowledge production to the preparation of teachers and teacher educators, to help improve the quality of school and higher education in the country. The Department of Education and Education Technology attempts to bridge the gap between the pedagogy and curriculum and the school and higher education institutions.

The department focuses on different areas relating to Curriculum and Pedagogical Studies, Teacher Education, Philosophy of education, Psychology of Education, Sociology of Education, History of Education, etc. The department also attempts to undertake In-service Training of Teachers. The department will undertake research in the area of education, taking into consideration the learners' perspective and use of technology in reaching education to all sections of the Society.

The thrust areas of the faculty members broadly relate to: the cognitive domain, Science education, Mathematics Education, Value education, Environmental education, Education technology, Social science education, Educational psychology, Constructivism, Curriculum Studies, Child rights in education, Sociology of education, Early childhood education and Demography of schooling, etc.

Programmes of Study
The Department offers a two-year M.Ed (Education) and Ph.D. programme.

M.Ed (Education)

M.Ed is a broad-based programme spread over 4 semesters that includes theory, practice, research, policy and planning in education. It aims to prepare the students with good understanding of education, capabilities for action and deep social commitment. M.A. Education is basically a theoretical programme which focuses on basic knowledge of theory and practice of educational thought and processes accumulated around the discipline of education. It encompasses a series of basic subjects which are designed in a way to cover basics of all the areas of education concerned and many advanced courses in areas demanding specialization on one or the other kind followed by Education Technology, Early Childhood Care and Education etc. Apart from specialization there are inter-disciplinary electives offered to the students of the department and other departments under the CBCS.

Curriculum Framework (Total 92 Credits)

T: Theory credits	P: Practicum credits
Core – 12	Field Engagement - 16
(Perspective Course,	(given at the end of each course)
Tool courses & Teacher Education Courses)	
Specialization – 1	Internship # - 4
Closed Electives - 2	Dissertation* - 8
Open Elective – 1	Total Credits for Practicum = 28
Total Credits for Theory = 64	

* Department shall offer a course on Dissertation with 2 credits in II semester and III semester followed by 4 credit courses on dissertation in IV semester. The students shall have to complete the dissertation before the IV semester.
# The internship of 4 credits in two parts each is spread over two semesters. First part

involves an attachment with a teacher education institution during I semester. The second part involves interns associating with a field site relevant to the area of specialization during the III semester. During the internship the students will be associated as interns in partner organization/schools/ teacher education institutions. The internship is a mentored component whereby a faculty and a member from the host institution/s (field mentor) together assess the field work of interns.

Note: The expenses to meet practicum will be borne by the students.

Ph.D Programme

The department also offers Ph.D (Education) programme. The programme requires mandatory course work (16 Credits) to be completed in the first 2 semesters.

Entrance Examination

M.Ed (Education)

Question paper of Entrance Examination consists of 100 (marks) broadly divided in to two parts Viz., Part A and Part B.

Part A carries 25 marks. It also has negative marks @ -0.25 for each incorrect answer

Part (A): Logical Reasoning, Current Affairs in Education and English Language Competency

Part B carries 75 marks which includes (B.Ed syllabus as per NCTE norms).

Ph.D in Education

The question paper for entrance examination shall consist of 70 marks in two sections, i.e., Part A and Part B. Part A- 35 marks will be on research methodology, nature & Scope of research methods related to literature, methods of educational research and statistics in educational research will be tested at Postgraduate level. Part B-35 marks will be on subject concerned, i.e., in the areas of teacher education, Philosophy of Education, Psychology of Education, Sociology of Education, Educational Technology, Educational Administration and Management at PG levels. The entrance test is followed by an interview, which carries 25 Marks.

Break-up weightage for interview

S.No	Weightage being considered	Marks
1	Research proposal and presentation	10
2	UGC-JRF/ M.Phil	5
3	Interview	15
	TOTAL	30

Faculty

Professor

Dr.G. Bhuvaneswara Lakshmi, M.Sc (Botany), M.Ed, Ph.D- Science Education, Environmental Education, Value Education, Mathematics Education and Inclusive Education.

Associate Professor

Dr.J.V.Madhusudan, MPS, M.Ed, CIG, M.Phil, Ph.D- Demography of Schooling, Health Education, Early Childhood Care and Education.

Assistant Professors

Dr.Talla Sumalini, M.Com,M.A (Lit), M.Ed, UGC-NET(Ed) Ph.D(Edn). - Curriculum Studies, Experiential Learning and Work Education, Child Rights in Education.

Dr.Ravula Krishnaiah, M.A, M.A (Phil), M.Ed, M.Phil, SET(Ed), Ph.D – Philosophy of Education, Sociology of Education, Constructivism, Politics and Education, Yoga Education.

Dr.Geetha Gopinath, M.A, M.Sc (Psy), M.Ed, UGC-NET(Ed), Ph.D – Environmental Education, Social Science Education, and Educational Psychology.

Dr.A.S. Jalandharachari, M.Sc (Applied Math), M.Ed, UGC-NET(Ed), Ph.D – Education Technology and Mathematics Education.

Centre for Regional Studies

The Centre for Regional Studies conducts multi-disciplinary research in the Deccan and other regions of India. The envisaged research programmes encompass ecological and environmental studies; socio-economic history, regional historical processes; regional social structure; regional economics, development studies, tribal studies, identities and violence.

Programmes of Study

The Centre for Regional Studies offers M. Phil and Ph.D. programmes in the broad areas of research outlined above.

Entrance Examination

The entrance test (written) for admission to M.Phil and Ph.D. programmes consists of two parts.

Part-A of the question paper consists of objective type questions to test the aptitude of the candidates to pursue research in the Centre. Questions will be on Social Sciences including Research Methodology.

Part-B consists of a single paper with essay questions drawn from the Social Sciences of the postgraduate level. In their answers students are expected to demonstrate an understanding of multidisciplinarity and / or regional studies.

The qualifying marks are 50% in the entrance test for M.Phil and Ph.D. Qualified candidates will have to appear in an Interview. Candidates have to bring a written research proposal for the interview and answer questions on theory, methodology and area of proposed research interest. Ph.D. candidates will be interviewed on the general area of specialization proposed and on their M.Phil work if applicable. Course work (three courses) is compulsory for all M.Phil and Ph.D students joining the Centre. There is an interview of 30 marks for shortlisted candidates.

Faculty

Professor

Sheela Prasad, Ph.D. (JNU) – Urban and Regional Geography, Health, Environmental studies (**Head of the Centre**)

Associate Professor
Arvind S. Susarla, Ph.D. (Clark, USA)-Geography of Hazards and Disasters, Environmental Studies, Communicating Risks
V. Srinivasa Rao, Ph.D. (Hyderabad) – Community Participation and Regional Education, Politics of Tribal Development, Regional Politics, Exclusion and Inclusion of Regions.

Assistant Professor
Salah P, Ph.D. (JNU)-Sociology of Violence, Region and Collective Identities, Migration and Borderlands, Marginalized Communities

Centre for Folk Culture Studies

The Centre for Folk Culture Studies is the first of its kind in the Central University system in India and was established with the assistance of the Ford Foundation, USA. The Centre's interdisciplinary and multi-perspectival approaches emphasize research and teaching in Folk Culture Studies in the milieu of contemporary ethnographic fieldwork. To decode and explain the folk expressive forms, the Centre is adopting a research strategy that combines the methodological procedures and theoretical approaches of both humanities and social sciences. The main objectives of the Centre are: to study diverse aspects of folk expressive behaviour as a dialogue between human groups and their physical and social environments; to analyse culture in relation to various aspects of human creativity such as Science, Technology, Art, Religion, Literature etc; to document and utilize folklore genres and folk lifestyles of various cultural landscapes in order to cognate the native knowledge systems for sustainable development.

Programmes of Study

Ph.D (Folk Culture Studies)

The intake for 2020-21 is **one seat**.

Entrance examination
The question paper of Ph.D. will consist of 70 marks in two sections, as per the UGC Regulations. The Part A is Objective Type similar to UGC NET Exam for 35 marks and the Part B is Descriptive Type related to the Subject for 35 marks. Both sections will have questions on Research Methodology.

In addition, 30 marks for Interview to shortlisted candidates.

Weightage	**Marks**
Research Proposal and its defence	5
Performance in the Written Test (proportionate)	5
Having fellowship - JRF /M.Phil	5
Publications	3
Research Experience	2

Interview Performance	10
Total (Total break up of weightages for Ph.D Interviews) (20+10 marks)	30

Faculty

Professor
Y.A. Sudhakar Reddy, Ph.D. (I.I.T., Madras) – Folklore and Folk Culture Studies, Performance Studies, Hermeneutics, Narratology, Peasant Studies and Oral History. (Head of the Centre)

Associate Professor
Joly Puthussery, Ph.D. (Hyderabad) – Folk Theatre, Performance Theory, Public Performance and Discourse, Religion and Theatrical Practices, and Material Culture.

Assistant Professor
N. Naveen Kumar, M.S.W. (Bharathiar), M.A. (Annamalai) - Folklore

Honorary Professor
P.S. Kanaka Durga, Ph.D. (Acharya Nagarjuna) - Folklife Studies, Folklore and Gender Studies, Religion and Mythology, Ethnohistory and Epigraphy.

Centre for the Study of Social Exclusion & Inclusive Policy (CSSEIP)

The Centre for the Study of Social Exclusion and Inclusive Policy, established in 2007, is one of the few such Centers set up in the country with UGC funding. The Centre been set up for undertaking comprehensive studies and research into Social Exclusion as a complex and multidimensional concept, with social, cultural, political and economic ramifications. The Centre focuses on exploring the processes that produce Social Exclusion. The studies on historical processes of exclusion and the methodological aspects have been the mainstay of the Centre. This encompasses all forms of discrimination which operate in covert and overt manner on the basis of caste, gender, ethnicity, religious and linguistics minorities, and other excluded groups such as the disabled. The Centre, through its research programmes, strives to intervene in policy processes to mitigate the problems of social exclusion and help build the democratic processes. The C entre has the following objectives:-

a. To understand the dynamics of discrimination and exclusion.
b. To focus on a multidisciplinary approach to analyse the processes of exclusion.
c. To work on theoretical and empirical dimensions of exclusion.
d. To help with the critical inputs into the inclusive policy processes.

Programmes of Study

The Centre has adopted a multi-disciplinary approach. It offers **M. Phil** and **Ph.D.** programmes in the broad areas of research outlined in the objectives.

Prospects for employment:

a. Academic and research institutions with multi-disciplinary orientations.
b. Non- governmental agencies and consultancies in the development sector.
c. Avenues in policy spaces.
d. Journalism- Print and Electronic

Entrance Examination

M.Phil and Ph.D.
The question paper of M.Phil and Ph.D courses shall consist of 70 marks in two sections, as per the UGC Regulations 2016. Part A – 35 marks, will be on Research Methodology and broadly will be as follows:
Research Methodology: Data collection process; publication research, interviews, surveys, historical research, quantitative methods, data interpretation; aptitude and logical reasoning. This part of the Entrance test be on the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 35 marks, will be on subject concerned.
In addition, there is an Interview for 30 marks for shortlisted candidates.

Faculty

Professors
K. Raja Mohan Rao, Ph.D. (Sri Krishnadevaraya) – Development Economics, Rural Development and Social Exclusion Studies (**Head of the Centre**)

Ajailiu Niumai, Ph.D. (JNU) - Gender, Non-Governmental Organizations (NGOs) and Development, North East Studies and Diaspora and Philanthropy.

Associate Professor
Sreepati Ramudu, Ph.D. (Jamia Milia Islamia) - Dalit Studies, Caste, Public Policy, Child Labour and Social Movements.

Assistant Professor
J. Rani Ratna Prabha, Ph.D. (Hyderabad) - Child Labour & education, Health, Poverty, Gender and Economics of Exclusion.

Centre for Women's Studies

The Centre for Women's Studies (CWS), at the University of Hyderabad is an interdisciplinary Centre collaborating with faculty from different disciplines. The University of Hyderabad had a Women's Studies Cell established in 1984, alternatively located in the School of Social Sciences and the School of Humanities. This Cell was upgraded to a Centre in June 2007. It was a stand-alone Centre until it was affiliated to the School of Social Sciences in March, 2014 as a statutory Centre of the University.

Aims and Objectives:

- Actively coordinate courses on gender and women in different departments, and introduce fresh areas of gender research.
- Build a systematic database on gender issues.
- Mainstream gender issues in teaching and research.
- Facilitate gender analysis on critical issues

Programmes of Study

The Centre offers MA and Ph.D. Programmes in Gender Studies. **However, there shall be no admission to the Ph.D programme for 2020-21 since there are no vacancies.**

Entrance Examination

MA (Gender Studies)

The entrance examination will be for 100 marks. It will consist of 100 multiple-choice questions of one mark each, no negative marking. The following is the pattern of the question paper.

S.No.	Subject	Marks
I	Comprehension	20
II	Concepts related to Gender	20
III	Reasoning and Interpretation related to Gender	20
IV	Gender Awareness	20
V	Contemporary Gender issues	20
Total Marks		100

Faculty

Rekha Pande, Ph.D. (Allahabad): Women's History, Women's Movement, Women and Religion, Violence against Women, Women and Globalization with special emphasis on Women's work in Agriculture and the ICT sector (**Head of the Centre**).

K. Suneetha Rani, Ph.D. (Hyderabad): Gender Studies, New Literatures in English, Cultural Studies, Comparative Studies, Translation Studies.

Deepa Sreenivas, Ph.D. (EFLU, Hyderabad) – Cultural Studies, Feminist Pedagogy, Childhood Studies

SCHOOL OF ECONOMICS

The School offers programmes of study leading to **M.A**., **M.Phil**. and **Ph.D.** degrees. Among the PG programmes, the School offers M.A. and M.A (5-year Integrated) in Economics as well as M.A. and M.A (5-year Integrated) in Financial Economics. The School offers well-balanced courses of study at all levels incorporating Economic Theory, Quantitative Analysis, and Indian Economic Problems. The School has more than 20 faculty members actively engaged in theoretical and empirical research in several areas of contemporary relevance. It was initially established as the Department of Economics and subsequently, it was elevated as a School in 2012. At present the School has about 300 post-graduate and research students.

Prof. Naresh Kumar Sharma is the Dean of the School.

Programmes of Study

MA (Economics)

The M.A. programme in Economics has been designed to expose the students to mainstream and heterodox approaches in theory, tools and techniques. The programme equips the students with analytical skills to engage with conceptual and empirical dimensions of the economy, policy, polity and society. Besides the standard courses like microeconomics, macroeconomics, trade, growth, public finance and econometrics, the core courses also include classical political economy and political economy of development, which makes it a well rounded programme. The programme also offers a range of optional courses that enable the student to acquire specialised knowledge in specific theoretical and applied branches of economics, like New Institutional Economics, Law and Economics, Social Choice Theory, Game Theory, Capital Theory, Development Economics, Economics of Education, Economics of Discrimination, Health Economics, Public Policy, Transitional Economics, Urban & Transport Economics, Natural Resource and Environmental Economics, Labour Economics, Financial Economics, Financial Econometrics, Time Series, and so on. This programme is divided into four semesters, in which they have to do 10 compulsory and six optional courses in addition to two foundation courses. Knowledge of high school level mathematics is expected from the prospective candidates as a minimum qualification, as several courses have mathematical orientation.

MA (Financial Economics)

The M.A. Programme in Financial Economics has been designed to expose the students to alternative paradigms of economic and financial theories and of global financial markets. The students would also be equipped with necessary analytical tools and techniques by way of an in depth training in econometric and time series techniques, and other quantitative methods. The focus of the training would be on practical applications and hands-on experience through assignments and projects, to enable them to competently analyse the market trends, and handle big data sets to aid the decision making process. Keeping these objectives in mind, the two-year programme offers a judicious mix of core and electives along with a project to be submitted at the end of the programme. Internships with industry, banks and financial institutions would be an integral part of the programme.

IMA (Economics)

I.M.A. (5-Year Integrated) programme consists of a component that is common to all the social sciences during the first three years. The students are admitted through an entrance test common to all social sciences. The students spend the first three years of study at the College for Integrated Studies, after which they branch out to the respective allotted discipline. The final two years of the I.M.A. (5-Year Integrated) in Economics programme are common with the M.A.

Economics programme or with M.A. Financial Economics programme allotted as per their choice at the end of three years. Further details about the programme and entrance test can be found under College for Integrated Studies in this Prospectus.

M.Phil (Economics)

M.Phil. programme consists of course work and dissertation. The course work places emphasis on: a) recent advances in selected areas of economics, b) literature in the chosen area of research and, c) proficiency in research methodology of economics. Students are required to do course work in the first semester. During the second semester they have to write a study area examination in the chosen area of research and in the remaining part of the programme, they are required to write a dissertation. The M.Phil. is a 3-semester programme. However, the students, if they so desire, are permitted to submit the M.Phil. dissertation within two semesters.

Ph.D (Economics)

Ph.D. programme consists mainly of research work leading to a thesis on an approved topic. The thesis will be of a high standard seen as a contribution to knowledge and will be defended in an open viva-voce examination. Ph.D. programme requires course work of about 12 credits, which includes Research Methodology as a compulsory course. The course work must be completed within the first year of the Ph.D. programme.

Entrance Examination

MA (Economics)

The Entrance Examination for M.A. in Economics consists of only objective type questions. The test is designed to examine/evaluate the candidates' general aptitude (including quantitative ability) and understanding of economics at the bachelor's level. The test is of TWO hours duration and consists of 100 multiple choice questions. The broad syllabus for the entrance test of M.A. in Economics covers (at undergraduate level): Microeconomic Theory, Macroeconomic Theory, International Economics, Public Finance, Basic Mathematics, Basic Statistics, Economic Development and Indian Economy.

MA (Financial Economics)

There is a separate test for M.A. in Financial Economics. The modalities and syllabus for the entrance examination for this programme are the same as for the entrance test for M.A. in Economics.

Entrance test details for the I.M.A. (5-Year Integrated) programme are given under the College for Integrated Studies.

M.Phil. and Ph.D.

The entrance test for M.Phil. and Ph.D. programmes consists of a written test for 70 marks and interview for 30 marks. There is a common written test for M.Phil. and Ph.D. programmes.

The written test is for 70 marks and consists of two sections, as per the UGC Regulations 2016.
Part A – (35 marks) will be on Research Methodology including questions based on research methods, types of research, quantitative methods (mathematical, statistical, econometric), data interpretation, aptitude and logical reasoning. Part B – (35 marks) includes postgraduate level questions pertaining to core economics subjects such as microeconomics, macroeconomics, public finance, trade, growth, political economy, Indian economy; quantitative subjects such as basic

mathematics, statistics, econometrics; a few questions from specialized areas of economics such as labour, health, finance, environmental etc.; and general economics awareness.

In addition there is an interview for 30 marks for the shortlisted candidates. Candidates called for an interview for Ph.D. programme must come prepared with a research proposal to be submitted at the time of Interview.

Ph.D Vacancies available

M.Phil. and Ph.D. admissions are based on vacancies available with the faculty as provided below:

Sl.No.	Faculty Name	Desgn.	Areas of research (2020-21)	M. Phil Vacancies	Ph. D Vacancies
1.	Prof. G. Omkarnath	Professor	Classical Economic Theory, Capital Theory, Indian Economy, Teaching of Economics.	01	--
2.	Prof. Naresh Kumar Sharma	Professor	Economic Theory, Gandhian Economic Thought, Development, Agriculture, Money & Finance.	02	--
4.	Prof. R.V. Ramana Murthy	Professor	Agrarian Relations, Political Economy, Macro-economics, Heterodox Economics	01	02
5.	Prof. R. Vijay	Professor	Political Economy, Development Economics, New Institutional Economics	01	02
7.	Prof. Debashis Acharya	Professor	Macro-Monetary Economics, Financial Economics.	01	01
9.	Prof. N.A. Khan	Professor	Public Economics, International Trade, Infrastructure Economics, Macroeconomics, Islamic Banking.	01	--
10.	Prof. B. Nagarjuna	Professor	Industrial Economics, Transitional Economics, International Finance and Indian Economy.	01	01
11.	Prof. Phanindra Goyari	Professor	Econometrics, Mathematical Economics, Model Building & Simulation in Economics, Microeconomics, Agricultural Economics, Economic Growth and Development	02	--
13	Dr. G. Sridevi	Associate	Food Security, Health Care,	01	--

		Professor	Economics of Discrimination.		
14	Dr. Alok Kumar Mishra	Associate Professor	Macroeconomic Dynamics, Financial Economics, Urban and Transport Economics.	01	--
18	Dr. B. Nageswara Rao	Assistant Professor	Tribal Development, Economic History, Agricultural Economics.	01	02
Total				13	08

S.No.	Weightage being considered	M.Phil.	Ph.D.
1.	Interview component	30	30
	Total	30	30

Faculty

Professors

Goddanti Omkarnath, Ph.D. (JNU) – Classical Economic Theory, Capital Theory, Indian Economy, Teaching of Economics.

Naresh Kumar Sharma, Ph.D. (ISI, Delhi) – Economic Theory, Gandhian Economic Thought, Development, Agriculture, Money & Finance. (Dean of the School)

J. Manohar Rao, Ph.D. (JNU) – Health Care Economics, Development Theory and Policy, WTO and Globalization, Classical Political Economy, Economics of Science, Technology, Technical Change.

R.V. Ramana Murthy, Ph.D. (UoH) – Agrarian Relations, Political Economy, Macroeconomics, Heterodox Economics.

R. Vijay, Ph.D. (UoH) – Political Economy, Development Economics, New Institutional Economics.

S. Sandhya, Ph.D. (JNU) – Population Studies, Population and Development, Health Economics, Health Policy.

Debashis Acharya, Ph.D. (UoH) – Macro-Monetary Economics, Financial Economics.

K. Laxminarayana, Ph.D. (UoH) – Economics of Education, Political Economy of Development, Agricultural Economics, Indian Political Economy of Class and Caste.

Nasir Ahmed Khan, Ph.D. (Allahabad) – Public Economics, International Trade, Infrastructure Economics, Macroeconomics, Islamic Banking.

Boppana Nagarjuna, Ph.D. (UoH) – Industrial Economics, Transitional Economics, International Finance and Indian Economy.

Phanindra Goyari, M.Phil. (IGIDR, Mumbai), Ph.D. (UoH) – Econometrics, Mathematical Economics, Model Building & Simulation in Economics, Microeconomics, Agricultural Economics, Economic Growth and Development.

S. Raja Sethu Durai, Ph.D. (University of Madras) – Macroeconomics, Applied Econometrics, Financial Economics.

Associate Professors

G. Sridevi, Ph.D. (Institute of Social and Economic Change, Bangalore) – Food Security, Health Care, Economics of Discrimination.

Alok Kumar Mishra, Ph.D. (UoH) – Macroeconomic Dynamics, Financial Economics, Urban and Transport Economics.

Assistant Professors

G. Vijay, Ph.D. (Institute of Social Studies, The Hague) – Labor Economics, Environmental Economics, Economics of Business Organizations, Law and Economics, Political Economy.

Limakumba Walling, M.A. (UoH) – Macroeconomics, Political Economy, Economics of Competition.

Prajna Paramita Mishra, Ph.D. (UoH) – Environmental and Natural Resource Economics.

B. Nageswara Rao, Ph.D. (UoH) – Tribal Development, Economic History, Agricultural Economics.

K. Ramachandra Rao, Ph.D. (Andhra) – Urban Economics, Health Economics.

Krishna Reddy Chittedi, Ph.D. (CDS-JNU) – Macroeconomics, Financial Economics, Developmental Issues.

Motilal Bicchal, Ph.D. (UoH) –-Monetary Economics, Macroeconomics.

Other Professors

Prasanna Kumar Mohanty, Ph.D. (Boston, USA), Post-Doc (Harvard, USA), MA-Economics, Delhi School of Economics, MA-Political Economy, Boston University – Land, Transport, Urban and Housing Economics; Public Finance. **Chair Professor**.

G. Nancharaiah, Ph.D. (Andhra) – International Economics, Agricultural Economics, Development Economics & Mathematical Economics. **Emeritus Professor.**

B. Kamaiah, Ph.D. (IIT, Bombay) – Macro-Monetary Economics, Financial Economics. **Emeritus Professor.**

SAROJINI NAIDU SCHOOL OF ARTS AND COMMUNICATION

The Sarojini Naidu School of Arts and Communication started functioning from 1988-89 and offers Masters-level courses in Dance, Theatre Arts, Fine Arts, and Communication and Doctoral (PhD) programmes in Communication, Theatre Arts, and Dance.

The University is indebted to the family of Sarojini Naidu for the bequest by the late Padmaja Naidu of the 'Golden Threshold', where the University started functioning. In recognition of this gesture, the University started this School by naming it after Sarojini Naidu to offer postgraduate and research programmes in the fields of arts and culture.

The School provides courses of study in the Departments of Dance, Theatre Arts, Fine Arts, and Communication. It seeks to enlarge the scope of the academic programme so as to include other areas of artistic endeavor like music. The broad objective of the teaching programme is not only to explore the evolution and forms of arts, but also to bring about an integrated approach to the study of creativity. Apart from the core Faculty, experts in various fields and Guest Faculty of national and international repute teach courses in the School.

Prof. P. Thirumal, Department of Communication is the **Dean** of the School.

Department of Dance

The dance department has been one of the first attempts to adapt traditional systems of training in classical dance styles of Kuchipudi and Bharatanatyam for postgraduate studies at the university level, providing opportunity for students to sharpen their technique and craft, analyze classical dance forms through closer study of aesthetic theories expounded in ancient Sanskrit texts, and made critical interventions in bridging gap between theory and practice.

The Department of Dance conducts advanced training in dance, particularly classical Indian dances both in theoretical and practical aspects. As one of the pioneering University bodies to adapt classical dance studies to a modern university approach, department of dance has been progressing in envisioning and executing innovative ideas in classical dance practice in all its various professional aspects such as choreography, stage presentation in all its component aspects, *rasaabhinaya*, dance music composition, art management and digital arts, international understanding of Indian classical dance, dance history, natyasastra, dance appreciation and dance research.

Programmes of Study

MPA (Dance) (Kuchipudi & Bharatanatyam)
The Masters in Performing Arts (Dance) course is a full time two years and it is very rigorous. The course is well-balanced in terms of theory and practice and the course spread over four semesters in two years; the course structure provides scope to enhance scholarship, practical and theoretical understanding of dance forms, and initiate students into research and teaching.

Significant emphasis is given to research orientation to train interested students towards research right from the postgraduate level, through a course on research methodology and dissertation project as part of their MPA programme. Students will be given the opportunity to enhance their

performance skill through the department's production. Frequent workshops are organized with artistes and experts of national and international repute.

The programme offers a holistic training which helps in the exploration of not only performative and academic areas of the field but also the allied arts. The students strengthen their skills in performance, choreography, applied theory, analysis, designing of dance music, stage décor, stagecraft, lighting, costumes, production and organizational strategies. The course structure enables the master aspirants to become an independent performer / choreographer / teacher / nattuvanar / music composer/ researcher/ dance critique and production designer towards the completion of their Master's degree. This is one of the most unique and innovative programmes offered in dance academia.

Ph.D. (Dance)
The doctoral programme offers scope for students and scholars to specialize in chosen minute niche fields of dance. The programme aims at creating a new knowledge in Indian Classical Dance understanding compatible with global scientific understanding of performing arts in their practice, theory, social relevance, heritage value, cultural significance etc., Incorporating all the relevant methodological tools such as qualitative research, performances theory, ethnography, performance documentation etc., from suitable disciplines such as cultural anthropology, history, art history, management etc., the programme helps the society acquire scientific, socially and culturally relevant understanding of Indian Classical Dances.

Entrance examination

MPA (Dance)
Admission is through an entrance examination consisting of a combination of objective (25 marks) and essay-type questions (25 marks) on subjects related to the specific field of study i.e., Dance. There would be a common question paper for both specializations. Those selected in the entrance examination will then be called for a practical test for (50 marks) before final selection.

Candidates are required to indicate in the application their preference of specialization in order of priority. Based on the prerequisite experience and the candidate's performance in the admission test and viva, the Department shall assign specialization streams to each of the selected students.

Ph.D (Dance)
For Ph.D. the written test is for 70 marks and Viva voce for 30 marks.
The question paper of Ph.D. course shall consist of 70 marks in two sections, as per the UGC Regulations 2016.

Part A – 35 marks will be on Research Methodology and broadly will be as follows:
Research Methodology: Data collection process, publication research, interviews, surveys, historical research, quantitative methods, data interpretation; aptitude and logical reasoning.
This part of the Entrance Test will be on the lines of Paper-I/Part-I of the UGC-CBSE/CSIR JRF exam.

Part B: 35 marks will be on subject concerned.

In addition, there is an Interview for 30 marks for shortlisted candidates.

Break-up weightages for Ph.D. interviews for 30 Marks

Fellowship (JRF) 5 marks	Proposal defense 5 Marks	Interview 20 Marks	Total Marks 30

Faculty

Professors

Anuradha. J, Ph.D. (Dance) (Hyderabad) – Theoretical Aspects and Kinesthetics of Dance, Kuchipudi Practical and Choreography.

Pasumarthy Ramalinga Sastry, Diploma (Kalakshetra, Chennai) – Bharatanatyam - Practical, Theory, Choreography

M.S. Siva Raju, Ph.D. (Dance) (Hyderabad) – Comparative Dance Studies, Musical Aspects of Dance, Movement for Dance and Choreography.

G. Aruna Bhikshu, Ph.D. (Dance) (Hyderabad) – Applied Theory and Dance Studies, Abhinaya (Head of the Department)

Visiting Faculty

C.V. Chandrasekhar
Sunil Kothari
Chitra Vishweswaran
Pappu Venugopala Rao
KalaKrishna
Harimohan Paruvu
Shashidhar Acharya
Gunakar Dev Goswami
Shama Bhate

Department of Fine Arts

The Department of Fine Arts was established in 1988 at the University of Hyderabad alongside the Departments of Dance, Theater and Communication to form the Sarojini Naidu School of Arts and Communication. The aim was to bring various artistic practices within a broader academic programme, to interrogate more systematically, the communicative aspects of the aesthetic traditions, and the aesthetic dimensions of communication systems.

The Department of Fine Arts was established under the stewardship of eminent artists, Laxma Goud, DLN Reddy, RS Shamsunder, and other young faculty, and has developed into a premier Art School in the country. The pedagogical commitment has been to provide a safe space for a serious art practice that can be freely carried out in a supportive, challenging and enriching environment. The increasing visibility, and growing list of achievements of our alumni in the world of Contemporary Indian Art are testimony to the pedagogical successes of our school.

Programmes of Study

MFA (Painting / Sculpture / Printmaking / Art History and Visual Culture Studies)

The Department of Fine Arts offers two-year, terminal MFA degree courses in the disciplines of Painting, Sculpture, Printmaking, and Art History and Visual Culture Studies. Our academic programmes are designed to integrate the practice of Fine Arts with a strong understanding of the social, economic, and intellectual histories of art traditions from around the world. Our students are encouraged to understand the roots and intentions that fuel their own artistic trajectories, while simultaneously situating their work amidst the larger context of the debates in art traditions from around the world. Students from the practical disciplines are encouraged to explore the world of books, reading, writing and research. Conversely, it is mandatory for students from the theory disciplines to work in the studios, so as to grapple with the pleasures and challenges of converting inert, obdurate, physical materials into living works of art. The students of the Practical streams (Painting, Sculpture and Printmaking) submit a dissertation on their own work, while students of the Art History and Visual Studies discipline submit a dissertation on a topic of their choice, subject to the approval of the concerned faculty.

Instruction in the Department is essentially tutorial in nature, involving a close working relationship between the faculty and students. The academic curriculum is strengthened and complemented by incorporating workshops by eminent visiting artists, artist camps, conferences and lectures by distinguished scholars on a regular basis.

Entrance examination

Essential requirements at the time of Application for MFA in Painting/Sculpture/Printmaking:
Applicants must specify the stream (Painting/Printmaking/Sculpture) on priority basis on which they wish to apply to the Department of Fine Arts. However, based on an evaluation of the portfolio, campus interview and photographs of works submitted, and availability of seats within a discipline, the Selection Committee of the Department of Fine Arts reserves the right to allot the stream in which the student may be admitted to the Department.

At the time of application, in addition to the online registration form sent to the University of Hyderabad, each applicant must also submit a digital copy of the online application along with 15 properly labelled digital images (JPEG, web format) of recent artworks to: snfa.entranceimages@uohyd.ac.in

The email must contain the following information
Name of Candidate
Registration Number
Name of Institution
Priority Basis for Choice of Discipline

Attachments: 15 Digital Images, JPEG web Format. Each image must be properly labelled with name of artist, size, medium and date of work; Soft copy of Online Registration Form

At the time of the On-Campus interview, the student must bring hard copies of the digital works submitted with the online application. A responsible faculty member of the Fine Art College/Institute must attest and verify the photographs of art works from where the applicant received his/her BFA/BVA/BA (Fine) degree.

Candidates must fulfill all the above requirements in order to be considered for the on-campus Entrance Test and Admission for MFA in Painting/Printmaking/Sculpture.

Fraudulent or Misrepresentation of works presented during Admission Process

Any instance of misrepresentations/wrongful attributions/ untrue claims or any other fraudulent acts with regard to student works made during the admission process that come to light at any stage of the academic programme, will be duly addressed in accordance with the academic rules and administrative statutes of the university.

Distribution of marks for the Entrance Exams MFA Programmes (Painting/Sculpture/Printmaking)

Part A **Written Test (OMR)** Written Test will be conducted in Different Centers. Written test will comprise OMR (i) and Essay questions (ii). OMR questions will comprise 25% of the grade. (The essays will be addressed as part of the on-campus oral interview and portfolio evaluation).	25%
Part B **15 Digital Images of Recent Works** In addition to the online registration form that is submitted to the University of Hyderabad, each applicant must also submit15 Digital images of recent artworks (JPEG web format). Each work must be properly labeled with name of artist, size, medium and date of work. **A soft copy of the Online application along with the 15 digital images of recent art works must be sent to: snfa.entranceimages@uohyd.ac.in**	25%
Part C **On Campus Oral Interview** Oral Interview (On campus) Section (ii) of the Written Exam (Essay Questions) will be considered as part of the evaluation process at this time. Candidates must bring 15 photographs (Hard copy versions of images sent during the application process) to the campus interview. Each photograph must carry details of size, medium and date, and must be individually attested or verified by the Head of the Department/Institution or by a responsible member of the teaching faculty in the institution where the student has completed his/her BFA/BVA/B. A. (Fine) degree.	25%
Part D **(Artist Portfolio)** Artist Portfolio (To be shown at the time of Campus interview) (For the portfolio, students are required to bring 5-10 representative works in their field	25%

of specialization along with their sketch books. Students applying to the Sculpture discipline may bring 2 small original works (along with photographs of their works and sketchbooks.] Each photograph of the artworks must be duly attested and verified by the Head of the Department, or by a responsible member of the teaching faculty where the student has completed his/her BFA/BVA/BA(Fine) degree.	

Note

(i) The shortlisting of candidates for the campus interview will be on the basis of their performance in OMR section (Part A) of the written exam, and on the evaluation of the 15 digital photographs of art works (Part B) that have been sent directly to the Department of Fine Arts.
(ii) The essays of the written exam will be evaluated and considered only for those candidates who qualify for the campus interview. The essays will be evaluated for their ability to convey ideas, and to write in meaningful ways about visual images and art practices. The essays will be addressed and included as part of the campus interview and portfolio evaluation.
(iii) The criteria for evaluation of visuals will be demonstration of technical ability, conceptual clarity, stylistic coherence, and understanding of visual image making practices.
(iv) In the oral interview, the student must be able to back the claims being made in the written essays and in the accompanying portfolio.
(v) At the time of Campus Interviews, all photographs of the student's works that are presented for evaluation and admission to the University of Hyderabad must be duly attested and verified by a responsible member of the teaching faculty in the institution from which the student has received the BFA/BVA/B. A (Fine) degree. Any instance of misrepresentation or wrongful attribution of artworks that come to light at any time during the course of the MFA programme, will be taken seriously and will be addressed in accordance with the rules and statutes of the university.

Essential requirements at the time of Application for MFA Art History & Visual Studies:

Bachelor Degree in Fine Arts: BFA, BVA or BA (Fine). Candidates from related disciplines like History, Sociology, Literature and Anthropology may also be considered provided they demonstrate evidence of aptitude in Art History, capacity to read visual images and demonstrate adequate knowledge of contemporary artistic practices. Students must provide evidence of training or practice in visual arts at the time of the oral interview by bringing sketchbooks, art works or photographs of their original art works.

The Distribution of marks for the Entrance Exam for Art History & Visual Studies students will be as follows:

Part A **Written Test (OMR Questions)** Written Test will be conducted in different centers. It will comprise OMR questions and Written Essays Part A (OMR) Objective type Questions Written Essay questions will be addressed as part of on Campus interview.	50%
Part B **Written Essays** Written Essays to be addressed as part of On-Campus interviews	20%
Part C **Oral On-Campus Interview**	30%

For the oral interview, student must bring a portfolio of their art practice in the form of drawing books, original works or photographs.	

Note

(i) The shortlisting of candidates for the campus interview will be on the basis of their performance in OMR section (Part A) of the written exam.

(ii) The written essays will be evaluated and considered only for those candidates who qualify for the campus interview.

(iii) The essays will be evaluated for their ability to demonstrate an aptitude for art history, adequate language skills to convey ideas, as well as a basic understanding of image making practices. The essays will be addressed, and included as part of the campus interview and portfolio evaluation. Student's basic knowledge in Art History, and communication skills in English is expected

Faculty

B V Suresh (Head of the Department) -- Professor in Painting

Alex Mathew -- Associate Professor in Sculpture

L N V Srinivas -- Associate Professor in Painting

Dr. Kirtana Thangavelu -- Associate Professor in Art History & Visual Studies

Suneel Mamadapur -- Associate Professor in Printmaking

Dr. Baishali Ghosh -- Associate Professor in Art History & Visual Studies

Tanmay Santra -- Assistant Professor in Painting

Department of Theatre Arts

The Theatre Arts Discipline of S.N. School strongly believes that creating good theatre is an arduous activity and there is no simple formula to achieve it. As an academic discipline within a University system, Theatre Arts concentrates on giving training in seminal concepts, basic principles and practices of drama and theatre to create a successful theatre in society, where live interaction can lead to new terrains of experience and intellect. The course pattern is aimed at the integration of theory with practice, art with technology, and artists with audience. It addresses the core and frontier areas of theatre art, while maintaining flexibility to adapt the art for many different contexts.

The objective of our programmes is to empower students through rigorous training, to practice and appropriate the art of theatre to new contexts thrown up by the rapidly changing contemporary culture and technology. To do this, thorough knowledge of the history and theory of performance is imperative so that a theatre artist understands the field as full of choices and can chart out his or her own path in society and market.

We endeavour to balance training in the practical aspects of theatre with the historical and theoretical aspects. The aim is to train multi-faceted theatre artists, integrating theory with practice, imagination with technology, and art with the practical issues of management and marketing in diverse contexts of the globalized market.

Apart from experienced permanent faculty, the Department also organizes workshops with prominent experts in theatre from India and abroad. The Department has strong international presence as it has research and practice projects funded by United Kingdom-India Education and Research Initiative (UKIERI), Norwegian Embassy, University Grants Commission (UGC) and Sir Ratan Tata Trust. We continuously work with Indian Society for Theatre Research (ISTR) and International Federation for Theatre Research (IFTR) to develop the practical and research capabilities of the faculty and students.

The medium of instruction will be English. But there is no language bar for acting or other practical work. Students can work in the language of their choice and multilingual plays are encouraged. The department offers the following courses:

M.P.A (Theatre Arts)

The Masters in Performing Arts programme is a rigorous, **full time three-year course.** This course trains the students in the practical and theoretical work so that they understand and practice theatre as a unique form of artistic communication. The core components are designed to provide hands-on experience of all the areas of theatrical communication and their possible application in different contexts. The theory courses teach the students to look at the history of theatre practice from multiple perspectives-like the literary, socio-economic, political, philosophical, etc. The course content covers both Western and Indian Drama and theatre. It also provides understanding of theatre in relation to other forms of artistic expression-like painting, sculpture, music, cinema, etc. The course tries to encompass the whole spectrum, from classical to contemporary, traditional to commercial, and folk to the digital.

Ph.D. Programme in Theatre Arts

The focus of Doctoral program in Theatre Arts is to generate a knowledge base in the area of Performance research and practice of theatre. Performance is seen as an inclusive filed encompassing all the genres of performance from traditional to contemporary, and explored in the backdrop of constituent and frontier domains like history, language, literature, anthropology, cultural studies, folklore, music and management in the social and historical context. A flexible interdisciplinary framework is followed to enable researchers to carry out work in the area of performance studies. To bridge the domains of practice and research, practice as Research in Performance is encouraged.

Entrance Examination

MPA (Theatre Arts)

Any graduate with an aptitude for theatre can apply for the M.P.A. Course. Experience in theatre or any performing art will be an added advantage. Eligible candidates are required to write an entrance examination of two-hour duration, consisting of objective type questions on areas related to theatre and culture. Those qualified in the written test will be called for an audition/interview at the University, where they need to write descriptive and analytical essay as one of the given topics to their experience in theatre.

For the audition/interview, candidates are expected to come prepared to discuss a full-length play of their choice and also perform a dramatic passage from a play of their choice in a language of their choice.

Candidates who fail in the audition/interview cannot be selected irrespective of the marks secured in the written exam. Any additional talents like music, dance, martial arts, drawing etc., will be added advantage.

Ph.D. Programme in Theatre Arts

Eligible candidates will be required to appear for an entrance test with maximum marks of 70 for two sections:

Section A: will be to test the candidate's aptitude for performance/theatre research and
Section B: will be for the candidate's overall knowledge proficiency in the area of performance/ theatre scholarship. Section B will be having questions directed to descriptive answers.
Those qualified in the written test should attend an interview with a tentative research proposal.
Candidates qualified for UGC-JRF will be given a weightage of 5 marks in the Interview**.**

Faculty
Professors

Bansi Kaul, Dr. Radhakrishnan Chair Professor.

B. Ananthakrishnan, Ph.D (Madras)-Performance Studies, Production Process **(Head of the Department)**.

Satyabrata Rout, M.A (National School of Drama), Ph.D (C.C.S. University, Meerut University) – Scenography and Direction: Theory and Practices

N. Jnaneswara Bhikshu, Ph.D (Hyderabad)-Indian Drama and Theatre (Classical), History, Theory, Text (Western)

Associate Professors:

Rajiv Velicheti, M.A. in Dramatic Arts (National School of Drama) – Theatre History, Acting and Direction

Noushad Mohammad, M.A. (National School of Drama), Adv. Diploma in Actor Training (TTRP, Singapore) – Acting.

Kanhaiya Lal Kaithwas, M.A. (National School of Drama) Design and Theatre Craft

Assistant Professor:

Riken Ngomle, M.A. (National School of Drama), Advance Course in Acting, Grotowsky Institute, Wroclaw, Poland- Acting.

Department of Communication

The Department of Communication at the University of Hyderabad has been consistently ranked the best university department in the country by various surveys over the years. It has acquired a reputation for excellence in teaching and research, with a good track record of placements. Graduates have found positions in a range of media-related companies, as well as in supportive communication roles in the corporate, government, and civil society sectors. A significant number have gone on to pursue higher degrees both within India and abroad, and several of these alumni now hold teaching/research positions in reputable HEIs.

Experienced faculty members and the state-of-the art infrastructure makes it the most sought after department for media and communication studies. Its geographical and cultural position combined with the faculty members' vast experience in various fields makes it a hub for various national and international projects. Students also benefit immensely from a steady flow of scholars and experts in all areas related to the discipline.

Programmes of Study

The Department offers **two postgraduate programmes** that have a judicious mix of theory and skills, but with different emphases--one of which would be primarily focused on media practice and the other, on theory and research. The idea, in each case, is to build practitioners with a sensitivity to the conceptual underpinnings of media and society, and to build critical researchers with an understanding of media practice.

MA Communication (Media Practice): With a convergent journalism media practice and technology focus resulting in the ability to tell engaging stories for a variety of purposes and in a range of contexts.
This two-year programme exposes students to an array of media skills and practices, ranging from writing to audio-visual and digital media production, preparing them for jobs in the media industry or for independent media practice. Courses under this specialization build on a foundation of media and communication theory while equipping students with the skills, techniques and understanding to function in a variety of media roles, from content creation to dissemination to management in the rapidly converging media ecosystem.

MA Communication (Media Studies): With a theory, research and critical focus, this two-year programme exposes students to the theoretical and conceptual foundations of the discipline as well as building in them the skills to apply these principles in the field as practitioners and researchers. Courses under this programme range from understanding how communication and media interface with issues of development and social change to critically analyzing media industries, popular cultural phenomena, histories of media, and digital culture.

Students can select from a range of courses while meeting the requirements of their chosen programme, in a manner that blends theory and practice even as it may emphasize one or the other. **Supplementing teaching with regular workshops by experts/ industry professionals enriches the programmes.**

Ph.D (Communication)
The Department offers a Doctoral Programme in Communication. Research students will be required to complete mandatory coursework in the first two semesters of 14 credits, including

Advanced Theory, Advanced Research, Academic Writing, and Topic-based Readings, before taking up their research work.

Currently, the department encourages research in communication and social change, community media, historical and cultural studies of media, ontology of media and information, health and science communication, digital media studies, feminist media studies, media law and ethics, media and gender, and practice-based research.

Entrance examination

MA Communication (Media Practice) and **MA Communication (Media Studies)**
The department will conduct **two separate entrance examinations** for the two programmes. Short-listed candidates will be called for a personal interview.

The entrance examination (60 marks), to be held in several centres across the country, will comprise questions related to general knowledge, current affairs, media awareness, logical reasoning, English language and analytical skills. There is negative marking for incorrect answers.

Shortlisted candidates on the basis of merit will be called for a personal interaction in Hyderabad, that includes a writing ability test (15 marks), and a personal interview (25 marks). Candidates who successfully clear both the written test and interview will be admitted into the two programmes.

Ph.D (Communication)
Eligible candidates will be required to write a written test comprising questions in: theory and concepts in the field; research methodology; and a project synopsis. Although students are expected to bring along a PhD proposal and be prepared to discuss it with the interview panel, this need not necessarily be the topic that the selected candidates will eventually work on.

The admission procedure consists of a written entrance examination (70 MARKS), followed by a personal interview (30 marks) for shortlisted candidates.

The Entrance Examination question paper (70 marks) will consist of:
PART A: Will consist of questions related to Communication Theories and Concepts.
PART B: Will consist of questions related to Methodology
PART C: Candidates will be required to write a synopsis for a research proposal they wish to undertake that must include a clearly articulated problem statement, relevant literature, specific aims and objectives, and methodology. This need not be the eventual research topic on which a selected candidate will work, but only a means to test the candidate's ability to articulate a feasible research problem in the field of communication and media studies.

Personal Interview
Shortlisted candidates will be called for a Personal Interview (30 marks) during which they would be required to demonstrate their aptitude to undertake doctoral research. Candidates are expected to bring along a PhD proposal and be prepared to discuss it with the interview panel; this need not necessarily be the topic on which the selected candidates will eventually work.

Weightages for Ph.D interview

S.No.	Weightage being considered	Max. Marks: 30
1.	Having fellowship - JRF and equivalent only	5
2.	Research Proposal and its defence	10
4.	Domain Knowledge and Research Aptitude	15
Total		30 marks

Faculty supervisors, areas of research and vacancies for the academic year, 2020-21

Total vacancies: 5

FACULTY	AREA OF RESEARCH SPECIALISATION	VACANCY
Prof. Vinod Pavarala	Communication and Social Change; Community Media	ONE
Prof. P. Thirumal	Historical and Cultural studies of Media, Ontology of Media and information, Cultural Histories of North East India and subjugated communities	ONE
Prof. Usha Raman	Health and Science Communication, Digital Media Studies, Feminist Media Studies	ONE
Prof. Vasuki Belavadi	Community Media, Communication & Social Change, Practice-based research	ONE
Prof. Kanchan K. Malik	Community Media, Media Law and Ethics, Media and Gender, Communication and Social Change	ONE

Faculty

Senior Professor

Vinod Pavarala, Ph.D. (University of Pittsburgh, USA) – Communication and Social Change, Community Media, Popular Culture. Also holds the **UNESCO Chair on Community Media**.

Professors

P. Thirumal, Ph.D. (Pondicherry) – Rhetoric of Development, Theory and History of Media. Also **Dean, S N School**.

Vasuki Belavadi, Ph.D. (Hyderabad) – Radio, Video Production, Community Media. (**Head of the Department**)

Kanchan K. Malik, Ph.D. (Hyderabad) – Print Journalism, Community Media, Media Law and Ethics, Media and Gender, Communication and Social Change.

Usha Raman, Ph.D. (University of Georgia, USA) Print Journalism, Health and Science Communication, Digital Media Studies, Feminist Media Studies

Prof. B. P. Sanjay, Ph.D. (Simon Fraser University, Canada) – Political Economy of Communication Technologies, Development Studies, International Communication, Communication/Media Policy (Retired and re-employed)

Associate Professors

P. Kennedy, Ph.D. (Osmania) -- Television Studies, ICTs for Development / Education.

E. Sathya Prakash, Ph.D. (Osmania) – Television Production, Documentary Filmmaking, Media Management.

Janardhan Rao Cheeli, Ph.D. (Hyderabad) – Television Production, Documentary Production, Participatory Video.

Assistant Professors

Madhavi Ravi Kumar, Ph.D. (Andhra) - Print and Broadcast Journalism, Convergence Journalism, Development Communication, Digital Media Studies.

Anjali Lal Gupta, M.A. (Jamia Millia Islamia) - Theory and Practice of Journalism, Narrative Journalism, Features and Analytical Writing, Development Journalism.

SCHOOL OF MANAGEMENT STUDIES

The School of Management Studies (SMS) was established in 1999. The School has completed 21 years of excellence in providing Management Education and preparing business leaders for the global market place. The School is acknowledged for its cutting-edge research, excellent teaching and learning activity in an intellectually stimulating environment. It promotes faculty and doctoral research, consultancy, training, and outreach activities in various sectors.

The Vision

The broad vision of the School is to continually strive to achieve excellence in management education, research, training, consultancy and outreach activities with a multi-disciplinary, multi-sectoral and developmental perspective.

The Mission

- To continually broaden the scope of application of management concepts to Infrastructural, Institutional, Environmental & Developmental services, Entrepreneurship and emerging areas in management.
- To promote the development of sound conceptual and adaptable functional and strategic skills among students.
- To encourage socially responsive managers of tomorrow.
- To instill a culture of lifelong learning and self-development among the students.

THE CORE ACTIVITIES

- Organizing the course work including electives
- Providing relevant inputs/skills - self-awareness and growth lab, organizational skills, summer internship, and project work
- Conducting Faculty and Management Development Programmes
- Encouraging research by faculty and Ph.D. scholars
- Organizing seminars and encouraging participation in external seminars
- Collaborating with reputed national / international institutions / industry
- Encouraging students to organize and participate in co-and extra-curricular activities

Prof. P.Jyothi is the Dean of the School.

Programmes of study

MBA Programme

The two-year MBA full-time programme with an intake of 60 students is spread over four semesters. During the first two semesters, core and foundation courses are offered. These include Management Concepts and Approaches, Managerial Accounting and Finance, Marketing, Organizational Behaviour, Human Resource Management, Quantitative Techniques, Managerial Economics, Communication and Personal Effectiveness, Operations Management, Research Methodology, Business Analytics and Business Environment. In addition, a three-day concentrated Self-awareness and Growth Lab is also organized during the first semester.

The students are required to get practical exposure by undertaking eight weeks internship in an organization during the summer intervening between the second and third semesters. These internships are intended to familiarize the students with current management practices, work environment and organizational culture. During the second year, the students have the opportunity to specialize in two select areas of their interest. These specializations are offered

through electives and project work spread over the two semesters. The students may choose from the following specializations offered:

- Marketing Management
- Finance Management
- Human Resources Management
- Operations Management
- Business Analytics
- Entrepreneurship
- Banking

The students also undertake a long-term research project during the final year. It is intended to provide research skills thus enabling them to develop decision-making skills as managers.

Admissions for the M.B.A. 2020-21 academic year, with an intake of 60 students are completed on the basis of CAT-2019 scores. **Candidates planning to take MBA admission for the academic year 2021-2022 are advised to check for admission notification in the months of August/September 2020. The notification would be advertised in popular newspapers and can also be accessed on the University website.**

MBA (Health Care and Hospital Management)

The School has been offering a unique MBA programme (Health Care & Hospital Management) since 2008-09. The two-year (four semesters) programme is offered in association with leading hospitals to meet the challenges and opportunities offered by the growing health care industry in India. The programme caters specific needs of middle level administrators in hospitals / health care and related sectors. This comprehensive programme will provide a professional qualification and insights into managerial functions for those serving graduates who wish to take up health care and hospital management as a professional career. It will also be of immediate benefit to serving professionals in this sector.

The broad vision of the programme is to strive to achieve excellence in the areas of health care and hospital management education, research, training, and consultancy on par with International benchmarks and standards. The broad mission is to prepare competent and trained hospital management professionals in a synergistic learning environment having strategic alliances with leading healthcare institutions in India and abroad. The major focus is on enhancing and enabling the existing mechanisms engaged in management of healthcare sector in India through capacity building programmes, dissemination of knowledge through continuous interaction between academia and industry, and to promote developmental activities in health care sector.

Highlights of the Programme

- Curriculum is spread over foundation and core courses in the first year and specialized courses and electives in the functional areas in the second year
- Course curriculum developed by seeking inputs from senior hospital management and health care professionals
- Self-awareness and growth lab for personal effectiveness
- 8-10 weeks of summer internship to understand the nuances of the hospital environment
- Final project under the supervision of a Faculty guide in conjunction with an industry mentor

Programme Pedagogy

The teaching/learning methodology is significantly interactive with case studies and group projects to study global health care and hospital management practices

- Interaction with eminent professionals from health care and hospital management
- Individual learning through guided assignments
- Personal growth/self-development and organization skill workshops
- Computer-based learning and audio-visual aids

During the period of study, the student will be required to carry out an 8 weeks summer project after completion of the second semester and final internship project work in any health care institution in the final semester. Efforts would also be made to provide the students a continuous learning opportunity through short-term projects and attachment with recognized hospitals. The intake, qualifications for admission and schedule for written exam/interviews for M.B.A. (Health care and Hospital Management) are provided in a tabular format in this brochure.

MBA (Business Analytics)

The School launched a very unique and innovative two year MBA in Business Analytics programme in the academic year 2017-18. This program is spread over four semesters. It is supported by School of Economics, School of Computer and Information Sciences, School of Mathematics and Statistics, CR Rao Advanced Institute of Mathematics, Statistics and Computer Science and Industry. The course includes the basic foundation subjects of Management that include Management Concepts and Approaches, Finance, Marketing, Human Resource Management, Operations and Business Analytics subjects like Statistics for Business Analytics, Business Analytics for Decision Making, Machine Learning, Marketing and Retail Analytics, Big Data, Financial Analytics, Econometrics, HR Analytics, Manufacturing and Supply Chain Analytics etc. Lab sessions are also included in the course.

Students are required to get practical exposure by undertaking eight weeks internship in an organization during the summer intervening between the second and third semesters. These internships are intended to familiarize the students with current developments in the area of Business Analytics along with the management practices, work environment and organizational culture. The students also undertake a long term research project during the final year. It is intended to enhance their analytics skills enabling them to join organizations.

Highlights of the Programme

- Curriculum is spread over foundation and core courses related to Management, Information Technology and Analytics in the first year and emphasis is placed on courses related to advanced Business Analytics in the second year.
- Course curriculum developed by seeking inputs from industry professionals and academicians.
- Self-awareness and growth lab for personal effectiveness.
- 8-10 weeks of summer internship to understand the working environment of the analytics industry.
- Final project under the supervision of a Faculty guide along with an industry mentor.

Course Curriculum and Programme delivery

The course curriculum is developed with active collaboration / involvement of industry professionals to provide the students with state of the art knowledge and practical orientation in the field of business analytics and management. The course is being offered to a limited strength of about 30 students plus 5 Industry sponsored candidates with key inputs from the Faculty of the school and other visiting Faculty with supplementary inputs from industry professionals.

Foreign Nationals: 2020-22 MBA

Up to five international students may be considered for admission to the MBA programme in absentia. Their selection would be based on:

- 60% marks or above or its equivalent grade in a Bachelor's degree in any field from an officially recognized University/institution in their country of residence;
- Proof of proficiency in English (score in TOEFL or equivalent Test or certification);
- Statement of purpose; and
- At least two academic references

Interested students should submit an application with full personal details, summary of academic records from high school onwards, attested copies of mark-sheets and TOEFL (or equivalent) scores, a brief (200 to 300 words) statement of purpose for pursuing the course, names and contact addresses of at least two referees, by **May 10, 2020** at the latest. They should also ensure that, if admitted, they must join the programme before **15th July, 2020**.

The charges for hostel accommodation on campus for all students from abroad will be the same as paid by students from India. All fees and charges are subject to revision by the School/University from time to time.

Executive MBA Programme

The School launched another MBA programme for working professionals in the year 2019. This is a weekend MBA programme offered for working professionals with minimum of three experience. It is designed to cater to the specific needs of working professionals who are planning transition to managerial roles. The Mission is to develop and nurture socially responsive managers with a holistic concern for a better environment and society. The students are offered all the courses of a regular MBA and fulfil the criterion of credits and receive a degree in MBA. This "***Two Year Executive MBA*** programme is offered ***under Graded Autonomy"***.

Highlights of the Programme

- Curriculum spread over TWO years during weekends and offers foundation and elective courses in the Functional Areas.
- Course Curriculum developed according to Industry inputs.
- Courses taught by experts from Industry and Eminent Academicians.
- Scope for doing Internship in a Foreign University
- Specializations include Business Analytics Marketing, Finance, Human Resources Management, Operations Management and IT.
- Case based pedagogy in addition to the conventional modes of teaching.

Ph.D. Programme

The School also offers a Ph.D. programme in Management Studies. The students are expected to produce a dissertation of international quality based on research in analytical and/ or applied areas of management. All the students admitted into Ph.D. programme are required to undergo course work as stipulated by the UGC. The course includes the subjects in Statistics, Research Methodology, Academic Writing and Research issues in Management. The School has been focussing its research on various contemporary issues of Management including the following.

- Banking Management
- Brand Management
- Business Analytics
- Corporate Social Responsibility
- Customer Relationship Management
- Organizational behavior
- Entrepreneurship
- Financial Markets
- Financial Services
- Health Care and Hospital Management
- Investment Analysis
- Performance Management
- Risk Management
- Service Quality
- Supply Chain Management
- Technology Management
- Tourism and Hospitality Management

Note: Coursework of a minimum of 12 credits is mandatory for Ph.D. programme. All the candidates admitted for the Ph.D. programme need to complete the coursework within one year period of admission.

Entrance Examination

➢ **MBA-** Admissions for the MBA 2020-22 batch, with an intake of 60 students is on the basis of CAT-2019. The admissions are completed. Candidates planning to take MBA admission for the academic year 2020-20 are advised to check for admission notification in the months of August/September 2020. The notification can be accessed on the University website (www.uohyd.ac.in).

➢ **MBA (Healthcare and Hospital Management) -** An entrance exam would be conducted by the University. Entrance exam will be for 75 marks (comprising Multiple Choice Questions related to Logical Reasoning, Verbal Ability, Quantitative ability, Data sufficiency, Healthcare awareness, and General Knowledge). Candidates shortlisted after the written exam will be called for Group Discussion and Personal interview. The final offer would be made on the basis of performance in the written exam, Group Discussion and Personal Interview and the weightage for the written exam, Group Discussion, and Personal Interview will be 60%, 15 % and 25% respectively. The eligibility criteria and the dates of entrance exam and interview are mentioned in a tabular format in this brochure.

➢ **MBA (Business Analytics) -** An entrance exam would be conducted by the University. Entrance exam will be for 75 marks (comprising Multiple Choice Questions related to Logical reasoning, Verbal ability, Quantitative ability, Mathematical ability, Statistical Ability, Data Analy**sis** and Interpretation etc.) followed by Group Discussion and Personal Interview. Candidates shortlisted after the written exam will be called for Group Discussion and Personal interview. The final offer would be made on the basis of performance in the written exam, Group Discussion and Personal Interview and the weightage for the written exam, Group Discussion, and Personal Interview will be 60%, 15 % and 25% respectively. The eligibility criteria and the dates of entrance exam and interview are mentioned in a tabular format in this brochure.

➢ **Executive MBA –** An entrance exam would be conducted by the University. Entrance exam will be for 75 marks (comprising Multiple Choice Questions related to Logical reasoning, Verbal ability, Quantitative ability, Mathematical ability, Statistical Ability, Data Analy**sis** and Interpretation etc.) followed by Group Discussion and Personal Interview. Candidates shortlisted after the written exam will be called for Group Discussion and Personal interview. The final offer would be made on the basis of performance in the written exam, Group Discussion and Personal Interview and the weightage for the written exam, Group Discussion, and Personal Interview will be 60%, 15 % and 25% respectively. The eligibility criteria and the dates of entrance exam and interview are mentioned in a tabular format in this brochure.

➢ **Ph.D. Programme-** Applicants (including Senior Management Professionals) satisfying the minimum qualifications will be required to take an entrance exam. Entrance exam will be for 70 marks (comprising multiple choice questions in Research Methodology, Logical reasoning, Analytical ability, Data analysis & Interpretation etc. for 35 marks and Principles of Management, Managerial Economics, Marketing Management, Accounting, Costing, Financial Management, Human Resources Management, Operations Management, Strategic Management, Business Statistics, Operations Research etc. for 35 marks). The entrance exam shall be qualifying with qualifying marks as 50% and the shortlisted candidates among the qualified will be called for an interview. Applicants will be required to submit, along with the application, a brief tentative proposal (about 500 words) on their proposed topic of research. The eligibility criteria and the dates of entrance exam and interview are mentioned in a tabular format in this brochure.

Faculty

Professors

V. Venkata Ramana, M.B.A. (Sri Krishnadevaraya), Ph.D. (Management - Osmania) - Marketing Management, General Management, Corporate Strategy and CRM and Services Marketing.

V. Sita, M.A., (Osmania) M. Phil, (Hyderabad), Ph.D. (Osmania) - FDP(IIM, Ahmedabad), PGDHRM (Pondicherry) -Public Policy, General Management, E-Governance, Entrepreneurship and Women Studies.

P. Jyothi, M.A., Ph.D. (Psychology - Osmania) - Organizational Behaviour, Human Resource Management, Organizational Development, and Entrepreneurship.(Dean of the school)

B. Raja Shekhar, B. Tech. (Civil - Acharya Nagarjuna), M.B.A. (Osmania), Ph.D. (Management - Kakatiya), M.Sc., Ph.D. (Psychology - Sri Venkateswara), M.A. (Education-IGNOU), FDP (IIM, Ahmedabad), PGDPMIR (Kakatiya), PGDCS (Hyderabad) - Quantitative Techniques, Service Quality, Business Analytics, Research Methodology, Industrial and Organizational Psychology.

Mary Jessica, M.Com., Ph.D. (Management - Osmania) - Financial Management, Merchant Banking and Financial Services, Investment Management and International Financial Management.

G.V.R.K. Acharyulu, B. Tech. (Chemical- Andhra), M. Tech. (Chemical – NIT Warangal), M.B.A. (Osmania), Ph.D. (Management - Osmania), DPM (Annamalai) - Quantitative Techniques, Operations Management, Supply Chain Management, Health Care Management and Business Analytics. **(Coordinator, M.B.A Health Care and Hospital Management Programme).**

Vijaya Bhaskar Marisetty, M.B.A (Sri Krishnadevaraya), M.S. (RMIT, Australia), Ph.D. (Monash, Australia), PDF (Wharton School, University of Pennsylvania & ISB, Hyderabad) – Investments, Financial Regulation, Indian Financial Markets; Corporate Governance; Machine Learning Applications in Finance.

Associate Professors

Chetan Srivastava, MBA, Ph.D. (Management - Osmania), PGCCA, MCSD - Strategic Marketing. International Marketing, Advertising, Sales Management, IT in Management.

Sapna Singh, MBA, Ph.D. (Management - Osmania) - Marketing, Branding and Advertising.

I. Lokanandha Reddy, MBA (Sri Krishnadevaraya), Ph.D. (Management - JNTUH) - Corporate Finance, Investment Analysis, Strategic Financial Management and Business Analytics.

Assistant Professors

D.V. Srinivas Kumar, B. Tech. (Acharya Nagarjuna), MBA (Andhra), Ph.D., (Management-Hyderabad), FDP (IIM, Indore) - Services Marketing, Customer Relationship Management and Business Analytics. **(Coordinator, M.B.A Business Analytics Programme).**

K. Ramulu, M.Com (Kakatiya), MBA (DRBRAOU), M. Phil. (Commerce - Nagpur), Ph.D. (Management-Kakatiya) - Materials Management-Financial Management, Financial Accounting, Management Accounting, Financial Risk Management, Security Analysis and Portfolio Management and Financial Markets.

Punam Singh, MBA(ISM-IIT, Dhanbad), Ph.D. (Management - JNTUH) - Human Resource Management, Organisational Behaviour, Corporate Social Responsibility, Performance Management and Compensation Management.

Pramod Kumar Mishra, M.Sc.(Mathematics- NIT Rourkela), MBA (Biju Patnaik), Ph.D. (Management-Hyderabad), PDF (IIM, Bangalore)- Supply Chain Management, Logistics Management, Mathematical Modelling and Business Analytics.

Murugan Pattusamy, M.B.A., Ph.D. (Management-Anna) – Work-family balance, Business analytics, HR Analytics, Research Methodology, Application of Multi-Variate data analysis techniques in Management, Item response theory, Mediation and Moderation analysis.

Varsha Mamidi, M.B.A; Ph.D. (Monash University, Australia)- Machine Learning, Predictive Analytics, Financial Analytics, Big data.

Dr. Ranjit Kumar Dehury, BHMS, MHA, Ph.D (IIT-Kharagpur)-, Health Systems Studies, Public Health, TQM in Hospital, Strategic Management in Health Care, Health Manpower Planning, Marketing Management of Health Care, Global Health Diplomacy, Healthcare Data Analytics

Some of the key invited visiting Faculty:

1. **Prof. Arun K Tiwari**, Secretary, CARE Foundation, Hyderabad.
2. **V. Nagadevara,** Former Dean, IIM, Bangalore**.**
3. **Dr. S. Raja Sethu Durai,** School of Economics, University of Hyderabad.
4. **Dr. Naresh Manwani**, IIIT-Hyderabad.
5. **Dr. K. Venkateswara Rao**, Healthcare Consultant, Hyderabad.
6. **Dr. Zafer Hashmi**, CAS-RMO, Osmania General Hospital, Hyderabad.

In addition, several local and international senior managers and management experts are regularly invited to interact with the students as Guest Speakers.

SCHOOL OF MEDICAL SCIENCES

The School of Medical Sciences is DST- FIST supported. The School was established with a mission to "Promote, Nurture and Achieve Excellence" in frontier areas of Medical and Health Sciences by offering novel teaching and research programmes. The school specificially focuses on outcome-based education, evidence-based teaching and learning and empowers them for translational health services and research. The inter- and multidisciplinary nature of the School by its establishment collaborates with the School of Life Sciences, School of Management Studies, School of Social Sciences, School of Economics, SN School of Arts & Communication , and Centres of the University involved in Health Sciences research. The School of Medical Sciences has several Adjunct, Joint and Visiting Faculty from the University and other Institutes who actively participate in the multidisciplinary teaching and research programmes. The Centre for Health Psychology (CHP) and the Centre for Neural and Cognitive Sciences (CNCS) are two centres affiliated to the School.

Programmes of study

1. Integrated Master of Optometry (M.OPT): The **6-year Integrated M.OPT.**

The course objectives are to enable to students

- Possess and acquire scientific knowledge to work as an eye and health care professional.
- Demonstrates and possesses clinical skills to provide quality eye and health care services.
- Demonstrate team work skills to support shared goals with the interdisciplinary health care team to improve societal health.
- Possesses and demonstrates ethical values and professionalism within the legal framework of the society.
- Communicate effectively and appropriately with the interdisciplinary health care team and the society.
- Demonstrate high quality evidence-based practice that leads to excellence in professional practice.
- Enhance knowledge and skills with the use of advancing technology for the continual improvement of professional practice.
- Display entrepreneurship, leadership and mentorship skills to practice independently as well as in collaboration with the interdisciplinary health care team.
- To take up research in specialized fields of optometry and vision sciences.

Course is designed to train the students in different aspects of optometry and is backed up with extensive practical skills and one year of mandatory clinical internship during their 4th year of training. The students spend part of the first year at College of Integrated studies learning courses which are common for sciences. The second, third, fifth and sixth year at the School. In the fourth year they go for clinical Internship. The clinical internship can be undertaken at any of the recognized Institutions approved by the SoMS like LV Prasad Eye Institute, Hyderabad, Aravind Eye Hospital, Mehdipatnam, Hyderabad. Centre for Sight, Hyderabad, Pushpagiri Eye Institute, Swaroop Eye Hospital upon fulfilling the selection criteria of written test and or interview conducted by the clinical institution at the end of their third year. If a student has a backlog in basic science and core optometry courses at the end of the third year then he/she will not be allowed to go for internship. Some of the clinical institutions charge fees for internship which has to be paid by the student. During the Internship the student is required to make arrangements for transport from University to the Clinical Internship centres.

Eligibility for the Integrated Master of Optometry (M.OPT)
I.M.Sc optometry eligibility: Biology, Chemistry, Physics and Mathematics and English at +2 level with a minimum of 60% marks.
No of Seats = 28
The eligibility for admission to the course is based on a written test. The written test paper based on XII Board syllabus will have a total of 100 objective type questions in Biology, Chemistry, Physics, Mathematics and English.

Exit clause: Any student enrolled for Integrated Master of optometry will be able to exist the program at the end of fourth year after completing the compulsory clinical internship of one year duration and project work with B.Optom degree. For a student to continue into the Integrated Master of optometry program she/he should have cleared all courses from first to the fourth year or else she/he will have to exit the course at the end of fourth year after completing the compulsory clinical internship of one year duration and project work.

Master of Public Health (MPH)
The major objectives of the MPH programme are as follows:

- Prepare professionals to work in public health in socially, culturally and economically diverse populations by being attentive to needs of vulnerable and disadvantaged groups.
- Promote public health research in institutional and field settings.
- Train professionals for teaching /training posts in public health institutions for disability, ageing and gender sensitive issues and health project management.
- Promote qualities of leadership among public health professionals and effectively use communication skills for health advocacy.
- Train professionals for teaching /training posts in public health institutions for disability, community nursing and health project management.

Eligibility: Bachelor's degree in Medicine, Dentistry, AYUSH, Physiotherapy, Occupational therapy, Nursing, Nutrition, Pharmacology, Veterinary Sciences, Agricultural Sciences, Social sciences or any other science degree. Degree holders in arts and humanities with an interest in public health are also encouraged to apply**.**

No of Seats = 38
Selection is through entrance examination of the University of Hyderabad. The written test paper would be based on Bachelors degree syllabus in public health and allied specialties and will have a total of 100 objective type questions covering above cited subjects.

Ph. D. programme: Ph. D in Health Sciences - 7 seats
The School offers a Ph. D programme in 4 streams (Public Health, Optometry & Vision Sciences, Nursing and Biomedical Sciences). This year there will be an intake of 7 candidates as below, and will follow all the regulations as stipulated under the MHRD/UGC/Notification dated 5th May 2016. The applicants can select only one stream for pursuing their study. For the admission period 2020-2021 the following are the faculty who are available to take new students for Ph.D in the areas mentioned against their names:

PhD Vacancies and Facultys' areas of Specialization:
A) PhD Health Sciences (Public Health) : 4 seats

Dr. B.R. Shamanna (1) : Public health policy making, Public Health Project Management including Monitoring and Evaluation, Health Care Economics and Implementation research in Health Sciences.
Dr. Katta Ajitha (2) : Ageing and health and disability, tribal health population and Road traffic injuries.
Dr. C. T. Anitha (1) : - Non-Communicable Diseases related to diet and lifestyle .

Eligibility
Master's Degree in Public Health with at least 55% marks in aggregate in qualifying examination.
b. Master's degree in any stream of Health Science including Indian Systems of Medicine, Applied sciences, Allied Health Sciences, Nursing with at least 55% marks in aggregate in qualifying examination.
c. Master degree holders in Life sciences, Social sciences, Medical Social Work, Behavioural sciences, Health Management and Health Administration with at least 55% marks in aggregate in qualifying examination.
Applicants of b. and c. categories above should have demonstrable Public Health Experience in addition to the mimnimum qualifications criteria which will be assessed during the time of interview.

Selection process: Entrance Examination followed by Interview.

Note: JRF in Social Medicine & Community Health of UGC-NET with eligibility are also eligible to appear for interview without appearing for University Entrance Examination.

B) **Ph.D Health Sciences (Biomedical Sciences) -** 3 seats

Prof. Geeta K. Vemuganti (1): Adult Stem Biology and Cancer Biology
Dr. Athar Habib Siddiqui (1) Biomedical Research, especially Renal Physiology, Cardiovascular Biology, Diabetes, Female reproductive biology
Dr. Mahadev Kalyankar (1) Biomedical research especially Metabolic Disorders, Diabetes, Obesity and Fatty Liver

Admission
Candidates to the two Ph.D programmes should be a JRF in Life Sciences (CSIR, UGC and ICMR). Eligible candidates will be selected through an interview.

Entrance Examination: Admission for Ph. D Health Sciences (Public Health) shall be through an entrance examination for screening and interview for final selection. The Entrance Examination will carry a total of 70 marks and divided into 2 sections. Section A - The entrance examination question paper will have 50 % of questions (35 questions) in Section A which will have multiple choice questions based on general sciences, aptitude plus analytical & basic research skills. It will have negative marking of 0.33 for first 25 questions for wrong answer. Section B – Public Health specialty stream paper will not have negative marking. The final marks will be moderated in order to make available at least 6 screened candidates for each Ph. D seat to be filled in the individual streams of research study. Selection of final candidates for the Ph. D program in the 2 streams will be based on interview performance, whether screened in through entrance examination for Public Health stream or JRF qualified candidates for biomedical and public health stream. All other guidelines will be as per prospectus of the University of Hyderabad 2020-21.

Compulsory Course Work – 14 credits including common courses and specialization related courses as per University guidelines.

Faculty

Senior Professor

P. Prakash Babu, Dean (i.c), Ph. D (University of Hyderabad, Hyderabad): Neuroscience: Cell signalling and cell death (apoptosis and autophagy) in cerebral ischemia (stroke), cerebral malaria, brain tumour and stem cells.

Professors

Geeta K. Vemuganti, DCP MD (Path), DNB (Path), FAMS, FICP (University of Rajasthan, Nizam's Institute of Medical Sciences, National Academy of Medical Sciences) -- Adult Stem Biology research, Cancer stem cells, Ocular tumors and Ocular infections.

B. R. Shamanna, MD, DNB (MCH), DNB (SPM), M. Sc. (Lon.) (Karnataka University, All India Institute of Medical Sciences, National Academy of Medical Sciences, University of London). Health and Welfare Economics, Monitoring and evaluation of public health programmes, Implementation research, and Health technology assessment.

Associate Professors

Athar Habib Siddiqui, Ph. D (Aligarh) –Integrative physiology, Cardiovascular biology, Hypertension, Clinical Biochemistry.

Mahadev Kalyankar, Ph. D (University of Hyderabad, Hyderabad) – Diabetes, Insulin Resistance and Metabolic Disorders, Obesity and Fatty Liver.

K. Ajitha, MD (Community Medicine), Ph. D.- Disability studies, Geriatric health of geriatric population.

C. T. Anitha, MD, MPH (Rajiv Gandhi University of Health Sciences, University of South Florida, USA) - Food safety, Public health Nutrition, Maternity and Child health.

Assistant Professors

M. Varalakshmi, M. Sc (Nursing), Ph. D. (Nursing), MBA (Hosp. Admn.), PG Diploma in Bioethics, MA Edu. –Translational research in Healthy Ageing, Socio behavioural health, Adolescent health, Women- Child Health, , Non-Communicable diseases with Gender and equity dimensions.

Rishi Bhardwaj, Ph. D. (Vision Science-New Zealand): Binocular rivalry, Visual masking, Perception in amblyopia, Visual field loss from glaucoma and its influence on motion trajectories and development of visual apps and technology

Konda Venkata Nagaraju , Ph. D (Optometry and Vision Sciences, University of New South Wales, Sydney) - Contact lenses, Ocular surface, Dry Eye and Innate immunity, antimicrobials and Eye care technologies.

M. Surya Durga Prasad, MBBS, MD (Community Medicine) (Osmania) - Basic and applied Epidemiology, Communicable and Non-communicable diseases.

Centre for Health Psychology

Health Psychology is a holistic approach to Health and Well-being. The holistic approach shifts the emphasis of health from biomedical to bio psychosocial models. Health Psychology is the field within Psychology that studies every aspect from wellness to illness. It focuses on health promotion and maintenance; prevention and treatment of illness; the etiology and correlates of health, illness and dysfunction, and improvement of the healthcare system.

The Centre for Health Psychology is the first ever Centre in the Country, and was established in the University in 2007. The research focus of the Centre includes bio psychosocial aspects of chronic illness, quality of life, ICU trauma, behavioural cardiology, community health, reproductive health, psycho oncology, geriatric health, health issues in women, behavioural diabetology, occupational health, disability studies, resilience studies, and positive health. Special emphasis is given to Indian approach to health and wellness.

Infrastructure

The Centre is equipped with Experimental Laboratory, Counseling Laboratory, Behaviour Technology Laboratory, and Sleep Laboratory. The Experimental Laboratory has modern digital instruments and more than 200 standardized psychological tests. The Counseling Laboratory is a state-of-the-art laboratory to train the students in micro skills of counseling. The Behaviour Technology Laboratory is well-equipped with a good number of equipment such as a Biofeedback machine. The Sleep Laboratory is equipped with a Polysomnography system to conduct research related to sleep.

Placements

Almost all the students who completed their course in Integrated MSc & MSc Health Psychology have found good placements in educational and research Institutes such as UoH, BHU, Central University of Tamil Nadu, Central University of Karnataka, Deemed to be Universities and also in national government organization such as DIPR. About 50% of the students have joined Ph.D. in Universities in India and abroad. On completing Ph.D. students have been placed in Universities and Colleges in teaching positions and in hospitals as Health Psychologists.

Programmes of study

M.Sc. (5-year Integrated) in Health Psychology (with exit option – B.Sc. Psychology)

Two-year M.Sc. in Health Psychology
Ph.D. in Psychology

Entrance Examination

MSc (5-yr Integrated) and MSc (Health Psychology)
Admission to both M.Sc. (5-Year Integrated) and M.Sc. (2-Year) programmes in Health Psychology is based on the performance in the national level written test conducted by the University.

The test for admission to M.Sc. (5-year Integrated) in Health Psychology will assess knowledge in Psychology at +2 NCERT and proficiency in English.

The test for admission into M.Sc. Health Psychology will assess knowledge in Psychology (Graduation Level) and proficiency in English.

Ph.D (Psychology)
The Admission to Ph.D. in Psychology is through a national level entrance examination (written test and interview) conducted by the University.

The test for admission to Ph.D. in Psychology will assess knowledge in Psychology & Research Methodology (Masters Level). The pattern for all the written examinations will be objective multiple choice questions.

Faculty

Professor
Prof. Meena Hariharan, Ph.D. (Utkal) – Stress & Coping, Behavioural Cardiology and Resilient Studies **(Head)**

Associate Professor
Dr. G. Padmaja, M.A., M.Phil, Ph.D. (Osmania) – Health Psychology, Counseling Psychology, Psycho-oncology, Geriatric Health and Health Issues Related to Women

Assistant Professors
Dr. Meera Padhy, M.Phil, Ph.D.–Developmental and Educational Psychology, Health Psychology, Behavioural Diabetology and Occupational Health

Dr. N. D. S. Naga Seema, M.A. Ph.D. – Community Health Psychology, Developmental Psychology and Yoga

Dr. Suvashisa Rana, M.A., M.Phil. B.Ed., LL.B., Ph.D. –Positive Psychology, Psychometrics

Dr. C. V. Usha, M.A., PGDCP, Ph.D. – Clinical Health Psychology, School Psychology and Counselling Psychology

Dr. C. Vanlalhruaii, M.A., (Psychology), Ph.D. – Health Psychology, Psycho Oncology , Caregiver Health

Adjunct Faculty
Prof. Girishwar Misra, Vice-chancellor, Mahatma Gandhi International Hindi University, Wardha.

Prof. C.R.Rao, Professor, School of Computer Sciences, University of Hyderabad, Hyderabad.

Visiting Professors
The following eminent persons from the field of Psychology and Medical sciences have been the Visiting Professors in the Centre.

Prof. Gyanmudra, Head & Professor, Centre for Human Resource Development, NIRDPR, Hyderabad

Dr. N. Balakrishna, Scientist 'E' (Retd.), National Institute of Nutrition, Hyderabad

Prof. N. C. Pati, Professor of Applied Psychology, PG Dept. of Applied Psychology, Chetana College of Special Education, RRL Campus, Bhubaneswar

Prof. A. S. Dash, Retd. Professor, Utkal University

Dr. B. Sesikeran, Former Director, National Institute of Nutrition, Hyderabad

Dr. Saroj Arya, Retd. Clinical Psychologist, NIMH, Hyderabad

Dr. Susie Hariharan, Research Physician, Apollo Hospitals, Hyderabad

Prof. A.K. Saxena, Retd. Professor of Psychology, SVP National Police Academy, Hyderabad

Dr. Manika Ghosh, Director, Eudaimonic Centre for Positive Change and Well-being, Bangalore

Guest Faculty
Dr. Durgesh Nandinee, Health Psychologist, Hyderabad

Dr. K. Niranjan Reddy, Senior Clinical Psychologist, Roshni Counselling Centre, Begumpet, Hyderabad

Visiting Fellow
Dr. Rakesh Kumar Jain, Senior Clinical Psychologist, IMHH, Billochpur, Agra

Centre for Neural and Cognitive Sciences

The Centre for Neural and Cognitive Sciences (CNCS) is a multidisciplinary research centre affiliated to the School of Medical Sciences, University of Hyderabad, offering research degrees in the areas of Neurosciences and Cognitive Sciences. The Centre has four permanent faculty members who specialize in Neurosciences, Cognitive Sciences and sub-disciplines therein with additional adjunct faculty from other departments and Schools. The Centre has been actively participating both nationally and internationally over a period of time in training, collaboration and dissemination of knowledge in these areas.

The Centre has conducted many national and international events over the years which have made the Centre and its work known to researchers and students widely. The Centre has excellent research facilities to provide theoretical and experimental training to research students in the areas of Neurosciences and Cognitive Sciences. The Centre's faculty members have excellent publication record in their respective areas of research and they constantly participate in international and national events that include workshops, symposia, etc. The Centre has received research support from DST, DBT and other bodies over the years. The Centre's research and teaching activities have also been actively supported by many other faculties from different departments and schools of the University resulting in excellent cross fertilization of knowledge.

The multidisciplinary nature of its research programme has attracted students from different disciplines who wish to do research in Neuroscience and Cognitive Science.

Programmes of study

The Centre offers MSc (Neural and Cognitive Sciences) and PhD (Cognitive Science) programmes.

Entrance Examination

M.Sc , Programme in Neural and Cognitive Sciences

Entrance is through a multiple- choice written exam (100 marks). The question paper will carry 100 objective type questions to be answered in two hours. There will be a negative marking of 0.33 for every wrong answer. The question paper will have two sections, I and II. First section will be testing on numerical, verbal and logical aptitude (40 marks). The s econd section will be subject specific to Neuroscience and Cognitive science (60 marks)

Ph.D. Programme in Cognitive Science

Selection will be on the basis of an entrance test followed by an interview. However, candidates with JRF (from CSIR, UGC, ICMR, DBT, etc.) have the option to come in for an interview with 40 marks or with the marks obtained in the entrance test (whichever is more) if they satisfy the prerequisite conditions as mentioned above. The question paper for the test will carry 70 objective type questions (70 marks) to be answered in two hours. There will be negative marking of 0.33 for every wrong answer. The question paper will have two sections I and II. The first section will be testing on numerical, verbal and logical aptitude (35 marks). The second section will be research subject-specific (35 marks).

Break up of weightages for M.Phil & Ph.D interviews

Weightage	**Marks**
Research Proposal and its defence	8
Having fellowship/M.Phil/NET/SET	2
Research Experience	5
Interview	15
Total	30

Faculty

Professors

Prof. Ramesh Kumar Mishra **(Head)**

Associate Professors

Dr.Sudipta Saraswati

Dr. Joby Joseph

Assistant Professor

Dr.Akash Gautam

SCHOOL OF ENGINEERING SCIENCES & TECHNOLOGY (SEST)

The School of Engineering Sciences and Technology (SEST) was established in 2008-09 with an objective to "impart research-oriented education and pursue high quality research in emerging multidisciplinary areas encompassing science, engineering and technology". At present, SEST offers M.Tech. degree programmes in Materials Engineering and Nanoscience and Technology and, from this academic year, M.Tech in Manufacturing S cience and Engineering is being started. SEST also offers Ph.D. programmes in Materials Engineering and Nanoscience and Technology. SEST provides an ideal environment to pursue cross-disciplinary research in engineering sciences and technology by taking advantage of the well-established facilities and expertise available within the School and on the University campus. SEST also collaborates with premier research institutions located in Hyderabad (namely DMRL, IICT, ARCI, NFC, NFTDC and RCI), most of which are also formally recognized as the S chool's external research centres. The S chool has already been recognized for its excellence by the DST with funding to the tune of Rs. 240 Lakhs under its FIST programme. The S chool, since its inception, has been able to attract research grants of more than Rs. 1000 Lakhs from various external funding agencies.

Programmes of Study

The School admits students to the **M. Tech. (Materials Engineering)**, **M. Tech. (Nanoscience and Technology)**, **Ph.D. (Materials Engineering)**, and **Ph.D. (Nanoscience and Technology)** programmes and from this academic year the School will also admit students to **M. Tech (Manufacturing Science and Engineering).**

The M.Tech. programmes are of two years duration, of which the first two semesters will be devoted to course work. The curriculum lays emphasis on giving a broad exposure to all aspects of the focal theme of the degree (i.e Materials Engineering, or Nanoscience and Technology or Manufacturing Science and Engineering), consistent with the interdisciplinary nature of the subjects involved. The third and fourth semesters will be spent on a research project leading to a dissertation, which will have to be defended in a viva voce exam. Details of the course structure can be found on the University's website.

The Ph.D. programme involves carrying out research in the areas of interest to the faculty members of the School. The candidates have to undergo prescribed course work, the successful completion of which is a prerequisite for confirmation of Ph.D. registration. After completion of coursework, the student will undertake research under the guidance of a faculty member of the School. The progress of the student is reviewed periodically by a Research Advisory committee (RAC). Based on the recommendations of the RAC, research work can be carried out either within the University or at one of its formally recognized external research centres. The students are expected to actively participate in research seminars and submit progress reports of their research work. The Ph.D. requirements also include presentation of the research work in a comprehensive seminar prior to submission of the doctoral thesis and a subsequent oral examination in support of the thesis.

Course Work Requirements

Candidates admitted to the Ph.D. programme will be required to undergo a mandatory core course work, besides any additional courses that may be recommended by the doctoral committee to meet the demands of their research.

Entrance examination

M.Tech. in Materials Engineering

Admission to the M.Tech. programme shall be based on a valid GATE score, in order of merit, in Aerospace Engineering, Ceramic Engineering/ Technology, Chemical Engineering, Industrial and Production Engineering, Manufacturing Engineering, Mechanical Engineering, Metallurgical Engineering, Chemistry, Physics, Engineering Sciences. The number of seats in this programme will be 18. The admission for this programme is through centralised counselling for M.Tech, i.e., CCMT.

The syllabus has the following core courses: Thermodynamics and Phase Equilibria of Materials; Material Characterization Methods; Processing of Engineering Materials; Mechanical Behavior of Materials; Functional Behavior of Materials; Material Processing & Characterization: Laboratory; Advanced Engineering Mathematics; Diffusion, Phase Transformation and Kinetics; Materials Modeling; Selection and Manufacturing of Engineering Materials; Seminar I and comprehensive viva. Apart from this, the student is permitted to opt for elective courses.

M.Tech. in Nanoscience and Technology

Admission to the M.Tech. programme shall be based on a valid GATE score, in order of merit, in Ceramic Engineering/ Technology, Chemical Engineering, Industrial and Production Engineering, Manufacturing Engineering, Mechanical Engineering, Metallurgical Engineering, Chemistry, Physics, Engineering Sciences The number of seats in this programme will be 18. The admission for this programme is through centralised counselling for M.Tech, i.e., CCMT.

The syllabus has the following core courses: Elements of Nanoscience & Technology; Materials Characterization Methods; Synthesis and Processing of nanomaterials; Synthesis, Processing and Characterization Lab; Physical Behavior of Nanomaterials; Advanced Engineering Mathematics; Nanofabrication; Nanotechnology Infrastructure and Safety; Seminar and comprehensive viva. Apart from this, the student is permitted to opt for elective courses.

M.Tech. in Manufacturing Science and Engineering

Admission to the M.Tech. programme shall be based on a valid GATE score, in order of merit, Metallurgical Engineering, Mechanical Engineering, Manufacturing Engineering, Production and

Industrial Engineering. The number of seats in this programme will be 18. The admission for this programme is through centralised counselling for M.Tech, i.e., CCMT.

The syllabus has the following core courses: Advanced Mathematics for Manufacturing (Stochastic Processes and Differential Equations); Design in Manufacturing; Machining: Theory and Practise; Plasticity and Metal Forming; Laboratory I and II; Additive Manufacturing; NDT of Manufacturing Defects ; AI for Manufacturing ; Manufacturing of Small and Ultra Small Systems ; Industrial Manufacturing Management; Micro and Nano machining of Engineering Materials. Apart from this, the student is permitted to opt for elective courses.

Ph.D. Programme in Materials Engineering

Admission shall be based on a written test followed by an interview for short-listed candidates. The written test will consist of objective type questions. As per UGC 2016 regulations, the syllabus of the entrance test shall consist of 50% of research methodology and 50% subject specific questions. The syllabus for the subject related questions will cover some or all of the following topics: Mechanical Engineering, Metallurgical Engineering, Ceramic Engineering, Physics, Engineering Sciences, Chemical Engineering, and Manufacturing, Production and Industrial Engineering of BE/B.Tech level and Physics, Chemistry and Mathematics of M.Sc./B.Sc. level.
JRF qualified candidates are **not exempted** from the written exam but they will be given weightage as specified.

Ph.D. Programme in Nanoscience and technology

Admission shall be based on a written test followed by an interview for short-listed candidates. The written test will consist of objective type questions. As per UGC 2016 regulations, the syllabus of the entrance test shall consist of 50% of research methodology and 50% subject specific questions. The syllabus for the subject related questions will cover some or all of the following topics: Mechanical Engineering; Metallurgical Engineering; Nanoscience and technology; Physics; Engineering Sciences, Chemical Engineering, of BE/B.Tech level and Physics, Chemistry and Mathematics of M.Sc./B.Sc. level;.

JRF qualified candidates are **not exempted** from the written exam but they will be given weightage as specified.

External Ph.D. Registration

The admission procedure shall be the same as that in the case of regular admissions to the Ph.D. programmes.

Candidates admitted under this category shall be free to work at one of the School's formally recognized external research centres under joint supervision of a faculty member from the University and an approved Ph.D. supervisor from the recognized institution.

Candidates admitted will be required to undergo a mandatory one-semester of core course work, besides any additional courses that may be recommended by the doctoral committee to meet the demands of their research. Admission under this category will be made only if there are interested faculty members.

Foreign Candidates

Foreign nationals seeking admission to the M.Tech./Ph.D. (Materials Engineering/ Nanoscience and Technology) programmes should also possess the requisite qualifications as in the case of regular students.

Candidates should have the ability to communicate in English and, in order to support this ability, a good score in TOEFL or a similar internationally recognized test is essential.

In addition, candidates should submit details of the course contents of the qualifying degree as well as letters of reference (along with contact information of the referees) along with their application. Admission under this category will be made only if there are interested faculty members.

Research Areas

There are **twelve (12)** vacancies in **Ph.D. (Materials Engineering)** in the following areas: Ferrites for Microwave Device Applications, Microstructure and Texture control in Automotive Sheet Steels, Development of new alloys, Waste biomass conversion to useful materials, High-entropy alloys, Graphene based nanostructured advanced materials, Corrosion fatigue of ship steels, High temperature resistant coatings, Structural health monitoring

There are **six (6) vacancies** in **Ph.D.(Nanoscience and Technology)** in the following areas: Surface modification and characterization of metals and alloys, Mineral beneficiation/utilisation of iron ore/coal fines, Synthesis of nano-agrochemicals and related nanomaterials, Nanomaterials incorporated smart materials, Electrochemical characterization of interfaces in composites, Spray coating of nano-composite coatings, thin film multilayers.

It may be noted that these are broad areas of interest of faculty members interested in taking PhD students and specific research problems may vary from these titles.

Faculty

Professors

M. Ghanashyam Krishna, Ph.D. (IISc, Bangalore) (**Dean-in-charge of the School**)

Dibakar Das, Ph.D. (IIT, Bombay)

Jai Prakash Gautam Ph.D. (TU-Delft, The Netherlands)

Vadali V. S. S. Srikanth, Ph.D. (University of Siegen, Germany)

Koteswararao Rajulapati, Ph.D. (North Carolina State University, USA)

Associate Professors

Raj Kishora Dash, Ph.D. (RPI, USA)

Swati Ghosh Acharyya, Ph.D. (HBNI, Mumbai, India)

Assistant Professors

Venkata Girish Kotnur, Ph.D. (TU-Delft, The Netherlands)

Guru Vidyathri Ph.D. (IIT- Madras, Chennai)

Pratt and Whitney Chair Professor

K. Bhanu Sankara Rao, Ph.D. (University of Madras)

Areas of Research for PhD (Materials Engineering) and Vacancies

Sl.No.	Faculty Name (Designation)	Areas of Research	Vacancies

1.	Dr. Dibakar Das (Professor)	Ferrites for Microwave Device Applications	2
2.	Dr.J.P. Gautam (Professor)	1) Microstructure and Texture control in Automotive Sheet Steels. 2) Development of new alloys	3
3.	Dr.-Ing. V.V.S.S.Srikanth (Professor)	Waste biomass conversion to useful materials	1
4.	Dr. K.V. Rajulapati (Professor)	High-entropy alloys	1
5.	Dr.R.K. Dash (Associate Professor)	Graphene based nanostructured advanced materials	1
6.	Dr.Swati Ghosh Acharyya (Associate Professor)	1) Corrosion fatigue of ship steels 2) High temperature resistant coatings 3) Structural health monitoring	3
7.	Dr. G. Vidyarthi (Assistant Professor)	1) Development of immiscible high-entropy alloys using computational thermodynamics 2) Phase evolution and phase stability studies of immiscible high-entropy alloys	1

Areas of Research for PhD (Nanoscience and Technology) and Vacancies

Sl.No.	Faculty Name (Designation)	Areas of Research	Vacancies
1.	Dr.J.P.Gautam (Professor)	1) Surface modification and characterization of metals and alloys 2) Mineral beneficiation/utilisation of iron ore/coal fines	1
2.	Dr. . -Ing. V.V.S.S. Srikanth (Professor)	Synthesis of nano-agrochemicals and related nanomaterials	1
3.	Dr.R.K. Dash (Associate Professor)	Nanomaterials incorporated smart materials	1
4.	Dr.Swati Ghosh Acharyya (Associate Professor)	1) Electrochemical characterization of interfaces in composites 2) Spray coating of nano-composite coatings	2
5.	Dr. V Girish Kotnur (Assistant Professor)	Thin film multilayers	1

COLLEGE FOR INTEGRATED STUDIES (CIS)

In the process of fulfilment of the set objectives of the University and for imparting specialized education to the students after their 10+2 level of education, a College for Integrated Studies (CIS) was established in the year 2006-07 to offer 5-year Integrated programmes in several disciplines leading to a Master's Degree.

Programmes of study

The College offers Master's Degree (5-year Integrated) courses in **Sciences, Humanities, Economics, and Social Sciences subjects.**

The medium of instruction is English for all the courses except the language programmes that are taught in the language concerned. The students admitted to language programmes are required to do some common courses, which are taught in the English medium. Therefore, proficiency in English is essential. The students admitted into the Science programme are required to have proficiency in Mathematics.

All courses are full-time regular courses. Students obtain a Master's degree after 5-years upon fulfillment of the relevant course curriculum. Bachelor's Degree may be awarded to students who fulfill the course requirement for Bachelor's degree.

Exit Option

An Exit option has been introduced for students admitted from academic year 2015-16. The salient features of the exit option are:

It is available at the end of three years in the case of M.A. (5-year Integrated) (Humanities / Economics / Social Sciences) / M.Sc. (5-year Integrated) (Sciences) students. Students who exercise the 'Exit option' at the end of three-years of M.A. (5-year Integrated) / M.Sc. (5-year Integrated) will be given B.A./B.Sc. Certificates.

In case of students admitted upto 2017-18 to M.Sc. (5-Year Integrated) in Earth Sciences, who opt for Exit option at the end of three years will get B.Sc. Earth Sciences and students admitted from 2019-20 will get B.Sc. Applied Geology on opting to Exit after 3 years.

Students not exercising 'Exit option' will be given two degree Certificates – B.A/B.Sc. and M.A./M.Sc at the end of five-years and B.Optom./M.Optom. at the end of six-years.

All eligible applicants will be called for the written test to be held at various centres across the country (see Chapter 2 of Prospectus). Proof of eligibility will be verified at the time of admission.

Written test for each of these programmes is of two hours duration. It will consist of multiple-choice (of four options) questions to be answered in the OMR sheet with black/ blue ballpoint /sketch pen. The level of questions shall be consistent with +2 level of education. There is negative marking; each wrong answer shall be given -0.33 marks. Specific instructions will be given in question papers.

The minimum eligibility requirements and the schedule of the written test for admission to the above courses are given in a tabular form elsewhere in this Prospectus.

M.Sc. (5-year Integrated) Programmes from the Science Schools

The four Science Schools – School of Mathematics and Statistics, School of Physics, School of Chemistry, and School of Life Sciences of the University offer Master of Science (5-year Integrated) programmes, in Chemical Sciences, Mathematical Sciences, Physics, Systems Biology and Applied Geology through the College for Integrated Studies (CIS). The programmes are open to all students who have completed/expect to complete +2 stage with at least three of the four subjects (Physics, Chemistry, Mathematics and Biology) as their optionals with a minimum of 60% at +2 level. The admission to M.Sc (5-Year Integrated) in Sciences (Mathematical Sciences, Physics, Chemical Sciences, Systems Biology and Applied Geology) will be through a common entrance examination. The entrance examination consists of a written test for 100 marks. The written test paper contains 25 objective questions each in Maths, Physics, Chemistry and Biology at +2 level.

The curriculum is common to all the disciplines for the first four semesters. Students with a biology background at the +2 stage and who had left mathematics after the 10th class are expected to put in the required efforts to learn mathematics. Similarly, students who left biology at the +2 stage are expected to learn biology. Please note that Systems Biology requires a significant amount of Mathematics and Computation throughout the 5-Year programme. The University offers Foundation courses in the first and second semesters to facilitate this process. The students spend first two years of their programmemes at the CIS. The students are transferred to their parent Schools at the end of the fourth semester (if they clear all the regular courses at CIS).

The students are allocated the discipline (subject) of their choice at the time of admission based on their performance in the entrance examination and their preferences.

M.Sc. (5-Year Integrated) Programme in Health Psychology

The Centre for Health Psychology offers M.Sc. (5-Year Integrated) programme in Health Psychology through the CIS. Students who have completed or expect to complete the +2 stage with either Science or Arts subjects with a minimum of 60% marks are eligible to apply for the programme. The students spend two years at the CIS and are transferred to the parent centre at the end of fourth semester (if they clear all the regular courses at CIS).

The admission to the Health Psychology programme is through a written test (100 marks). It includes an aptitude test for Psychology at +2 level and test for proficiency in English.

M.A (5-Year Integrated) Programmes from the School of Humanities

The School of Humanities offers Master of Arts (5-Year Integrated) programmes in three disciplines: Hindi, Telugu and Language Science. All students with a minimum of 60% marks at +2 stage are eligible to apply. The students spend the first three years at the CIS where they are exposed to the basics of several disciplines to provide them a broad foundation. They are transferred to their parent departments/centre at the end of the sixth semester (if they clear all the regular courses at CIS).

There will be a common entrance test for admission to M.A (5-Year Integrated) in Humanities. The written test carries 100 marks. The question paper will be objective type consisting of three Parts: A, B, and C.

In Part A, there will be 40 questions of one mark each to test the competence in the concerned subject to which a candidate seeks admission.

Part-B will have 35 questions of one mark each to test competence in English.
Part C will have 25 questions of one mark each to test the competence in the current affairs and general knowledge. Candidates should choose concerned subjects (Hindi, Telugu and Language Science) in Part-A according to their options. Questions in Parts-B and C will be in English. The questions in Part-A will be in English for Language Science candidates, in Hindi and in Telugu for those who opt for Hindi and Telugu respectively. Candidates will be eligible for admission, only to the subject that they choose for Part A of the written test.

M.A (5-Year Integrated) Programmes from
School of Social Sciences and School of Economics

The School of Social Sciences offers Masters of Arts (5-Year Integrated) Programmes in four disciplines: Anthropology, History, Political Science, and Sociology. The School of Economics offers M.A (5-Year Integrated) in Economics. All students with a minimum of 60% at +2 level are eligible to apply for the Social Sciences or Economics programme. The students spend the first three years of their programme at the CIS. They are transferred to their parent schools and departments at the end of sixth semester (if they clear all the regular courses at CIS). The final two years of the M.A. (5-Year Integrated) in Economics programme are common with the M.A. Economics programme or with M.A. Financial Economics programmes allotted as per their choice at the end of three years.

There will be a common entrance test for admission to the M.A (5-Year Integrated) programme in Social Sciences and Economics. Written test carries 100 marks divided into four parts (of 25 marks each) consisting of the following: Part A: Social Studies and General Awareness; Part B: Language and Comprehension; Part C: Reasoning Ability; and Part D: Quantitative Aptitude.

The students are allocated the discipline (subject) of their choice at the time of admission based on their performance in the entrance examination and their preferences.

Scribe for Visually Challenged students of CIS Integrated programmes

A scribe for Visually Challenged Students (who joined CIS Integrated programmes) will be provided by CIS during mid-semester/end-semester examinations. The scribe should be a student of UoH; should not have opted the course for which he/she is writing the exam. An amount of Rs.300/- will be paid to the scribe for each exam. The scribe should not have been involved in any unfair means / cheating during examination. Allotment of suitable scribe rests with the Office of CIS.

Selection Procedure
The following procedure shall be followed for selecting the candidates for different Master's Degree (5-Year Integrated) courses:

All eligible applicants will be called for the written test to be held at 38 centers see Chapter 2.

The written test will be in the form of objective type questions of +2 standard; it will be for two hours duration to be answered in the OMR sheet with black/blue ballpoint /sketch pen. There is negative marking for wrong answers. Specific instructions will be given in the question paper/answer book.

The following criteria shall be followed, one after the other, to resolve the ties, when more than one candidates secure the same total marks in the entrance examination:
First criterion: Marks obtained in the entrance examination (written test).
Second criterion: Marks obtained by the candidates in the qualifying examination at (+2 level). If the final result is not available, then the marks upto the 1st year will be taken into consideration.
Third criterion: Marks obtained in the next lower public examination (SSC/Matriculation or equivalent). Candidates whose result of the qualifying examination (+2 stage) is not declared may also apply for admission, see Chapter 2.

Faculty

Professors
Sanjay Subodh, Ph.D (Chandigarh) – Medieval Indian Historiography, Science and Technology, Medieval Archaeology (**Director, College for Integrated Studies**).

Krishnaveni Mishra, Ph.D. (JNU): Functional organization of eukaryotic nucleus, Epigenetics and Gene silencing (**Associate Director, College for Integrated Studies**).

हैदराबाद विश्वविद्यालय
University of Hyderabad

प्रतिष्ठित संस्थान
INSTITUTION OF EMINENCE
राष्ट्रीय अपेक्षाएँ, वैश्विक मानक
National Needs, Global Standards

TEACHING & EVALUATION REGULATIONS

TEACHING AND EVALUATION REGULATIONS

Special features

The special features of the University's academic set up include a favourable teacher-student ratio which is one of the best in India; a flexible academic programme that encourages interdisciplinary courses and research. The assessment, including projects and examinations of the 5-Year Integrated PG/Postgraduate courses, is continuous and internal.

Semester system

The courses are organized on the semester pattern. The academic year consists of two semesters of 16 to 18 weeks each. **July – December** is the **Monsoon** and **January – June** is the **Winter** semester.

Continuous internal assessment

The examination system of the University is designed to test systematically the student's progress in class, laboratory and fieldwork through continuous evaluation in place of the usual "make or mar" performance in a single examination. Students are given periodical tests, short quizzes, home assignments, seminars, tutorials, term papers in addition to the examination at the end of each semester. The final result in each course is calculated based on continuous assessment and their performance in the end semester examination.

Attendance and progress of work

Every student will be eligible for writing the end-semester examinations subject to fulfilling the attendance requirement of 75% of the classes held in all courses (Core, Elective, Foundation, etc.) and participate, to the satisfaction of the School/Department/Centre, in seminars, sessional and practicals as may be prescribed, mandatory.

Important

Students repeating the **same course** will require attendance of **60%** of the classes held in each course.

Students repeating with an **alternative course** will require attendance of **75%** of the classes in that course

The progress of the work of the research scholars and their attendance is regularly monitored by their supervisors.

Absence from classes continuously for 10 days shall make the student liable to have his/her name removed from the rolls of the University. Absence on medical grounds should be supported by a medical certificate which has to be submitted to the Dean/Head of the School/ Department/Centre for consideration of condonation of attendance. Deans of the Schools and Director, College for Integrated Studies can condone the requirement of attendance up to 5% only. Students having attendance below 70% have to repeat the course.

Payment of fee by those students repeating course/s

The student/s who are repeating the course/s, need to pay the prescribed semester fee till completion of course including the idle semester fee in case of re-admission.

Summer Semester

To help the I.MA/I.M.Sc. (5-Year Integrated) students having more backlogs than allowed, classes will be held during May/July subject to the availability of the teachers. This will be offered at the College for Integrated Studies (CIS) for students to clear their backlogs for courses offered at CIS.

Evaluation Regulations

1. The performance of each student enrolled in a course will be assessed at the end of each semester. Evaluation of all P.G., M.Phil., M.Tech and Integrated PG courses is done under the Grading System. There will be 7 letter grades; A+, A, B+, B, C, D and F on a 10-point scale which carries 10,9,8,7,6,5,0 grade points respectively.

2. The final result in each course will be determined based on continuous assessment and performance in the end semester examination which will be in the ratio of **40:60** in case of **theory** courses and **60:40** in **laboratory** courses (practicals).

3. The mode of continuous assessment will be decided by the School Board concerned. The students will be given a minimum of three units of assessment per semester in each course from which the best two performances will be considered for calculating the result of continuous assessment. The record of the continuous assessment will be maintained by the School/Department/Centre.

4. At the end of the semester examination, the answer scripts shall be evaluated and the grades scored by each student shall be communicated to the Dean of the School/Head of the Department/Centre for onward transmission to the Office of the Controller of Examinations. Wherever required, the Dean / the Head of the Department/Centre along with the teacher concerned may moderate the evaluation.

5. Students should obtain a minimum of 'D' grade in each course to pass in the Postgraduate and Integrated PG courses. Students who obtain less than 'D' grade in any course, may be permitted to take the supplementary examination in the course/s concerned within a week after the commencement of the teaching of the next semester or following the schedule notified. Appearance at such examinations shall be allowed only once. Those students who get less than 'D' grade in the supplementary examination also shall have to repeat the course concerned or take an equivalent available course with the approval of the Head of the Department/Centre and the Dean of the School concerned. Such approval should be obtained at the beginning of the semester concerned.

6. (a) A student of PG and M.Tech is expected to clear more than 50 % of the courses offered in that semester to be promoted to the next semester. A student may have a maximum of two backlogs where the number of the courses in a semester is four and a maximum of three backlogs where the number of courses in a semester is more than four at any given point of time including the backlogs of the previous semester if any.

(b) A student of I.M.A./I.M.Sc. (5-year Integrated) is expected to clear more than 50 % of the courses offered in that semester to be promoted to the next semester subject to a maximum of 5 backlogs at any given point of time including the backlogs of previous semester/s, if any.

(c) **I.M.Sc students admitted from 2017-18 must clear all their backlogs accumulated during their first 2 years before moving to the 3rd year or Vth semester. Similarly, I.M.A. students admitted from 2017-18 must clear all their backlogs accumulated during their first 3 years before moving to the 4th year or VIIth semester.** Further, the transfer of students to the respective

School/Dept. with up to 2 backlogs in Foundation course/s is permitted. The students will be allowed to write a supplementary exam also after the completion of the summer semester exam to enable them to clear their backlogs if any.

7. The qualifying marks for the dissertation/project report/monograph/ research paper in the M.Tech courses shall be 50%. Students who obtain less than 50% or 'D' grade in the dissertation/ monograph/ research paper will be required to rewrite it within such extra time as may be allowed by the University based on the recommendation of the Supervisor(s) and the Department/Centre/School concerned.

8. Students who are permitted to appear in supplementary examinations in the course/s under clause 5 above will be required to apply to write the examination concerned in the prescribed form and pay the prescribed examination fee by the date prescribed for the purpose.

9. (a) A student to be eligible for the award of M.A., M.Sc., MCA, MBA, MPA, MFA, and Integrated PG Courses must obtain a minimum of 'D' grade in each course. The results of successful candidates will be classified as indicated below based on the CGPA:

CGPA of 8.0 and above and up to 10.0	I Division with Distinction
CGPA of 6.5and above and < 8.0	I Division
CGPA of 5.5 and above and < 6.5	II Division
CGPA of 6.0	II Division with 55%
CGPA of 5.0 and above and < 5.5	III Division

(b) To satisfactorily complete the program and qualify for the degree, a student must obtain a minimum CGPA of 5. There should not be any 'F' grades on records of any student for making himself/herself eligible for award of the degree.

The division obtained by a student will be entered in his/her provisional cum consolidated grade sheet and the Degree certificate.

10. (a) A student to be eligible for the award of the M.Tech. degree must obtain a minimum of 50% in each of the courses she/he takes as well as in the dissertation/project report/ monograph. The results of the successful candidates will be classified as below:

CGPA of 8.0 and above and up to 10.0	I Division with Distinction
CGPA of 6.5and above and < 8.0	I Division
CGPA of 5.5 and above and < 6.5	II Division

There is no III Division in these programmes

(b) To satisfactorily complete the programme and qualify for the M.Tech. degree, a student must obtain a minimum CGPA of 5.5. There should not be any 'F' grades on the records of any student for making himself/herself eligible for award of the degree.

The division obtained by a student will be entered in his/her provisional-cum-consolidated marks sheet and the degree certificate.

11. Students who are not found eligible to take semester examinations and also those who are not promoted to the next semester of the course may be considered for **re-admission** to the

concerned semester of the immediately following academic year. Such students should seek **re-admission** before the commencement of the classes for the concerned semester or within a week of the commencement of the concerned semester if they are appearing in the supplementary examinations. Such students are given an option either to undergo instruction for all the courses of the semester concerned or to undergo instruction in only such courses in which they have failed on the condition that the option once exercised will be binding on the student concerned.

12. At the specific written request of the student concerned, answer scripts of the semester examinations may be shown to him/her, but not returned to the candidates. The result of the continuous assessment of the students will, however, be communicated to students immediately after the assessment.

SUPPLEMENTARY EXAMINATIONS

Students who obtain an **"F Grade"** in any of the courses and/ or who absent themselves from the Semester examinations held, inspite of having attendance are eligible to appear for the Supplementary examinations.

Note

Students with shortage of attendance are not eligible to appear for Supplementary examinations.

Special supplementary examinations

i. The PG/Integrated PG students, who after completion of the prescribed duration of the course are left with backlogs are eligible to appear for special supplementary examinations subject to a maximum of two courses where the number of courses in a semester is four and a maximum of three courses where the number of courses in a semester is more than four. **Appearance in such examinations shall be allowed only once.**

ii. **Students with a shortage of attendance in a course are not eligible to appear for Special Supplementary examinations in that course.**

iii. **Students who are appearing for Supplementary Examinations are not eligible to appear for Special Supplementary Examination for the same course in the same semester.**

iv. The Students of M.Phil/M.Tech/Ph.D. courses are not eligible for **Special Supplementary** Examinations.

IMPROVEMENT EXAMINATIONS

i. This provision is open to all those students with any grade who wish to improve their grades irrespective of the SGPA/CGPA obtained by them. However, the student should clear all the courses of a particular semester in which he/she intends to take an improvement examination. Appearing for Improvement Examinations along with the Supplementary Examinations of the same subject or different subjects simultaneously in a particular semester shall not be permitted.

ii. Students who wish to improve their grades for the papers written in previous semesters are permitted to improve two courses at the end of the second semester and three courses at the end of the third semester and so on.

iii. Students who had already appeared for Improvement examination in a particular course in the semester concerned are not eligible to appear for Improvement examination again in the same course of the Semester concerned. However, the student may appear for Improvement exam/s in other courses/s in the same Semester up to the maximum number of Improvement exams **as per clause C (ii) above.**

iv. Students who had completed the course and wish to improve any of the papers can apply for the same within a maximum period of six months after completion of the course.

Note

Students appearing /applying for supplementary/Improvement/ Special supplementary examinations will not be considered for the award of Medals.

Applying for supplementary/ special supplementary & improvement examinations

i. All the Applications for Supplementary/Special Supplementary & Improvement examinations should be submitted through the e-governance portal and the Hall-tickets for the said exams can be downloaded through the e-governance portal. This applies to all except

ii. Integrated students admitted before 2017 should submit the offline applications to the Exam branch through the concerned Dept. /School and the Hall tickets will be issued after processing of the applications.

iii. The results of the pre-2017 batch students should be sent in hard copy to the office of the Controller of Examinations through proper channel.

Evaluation of M.Tech. CS/AI/IT Dissertation & MCA Project work

1. The dissertation of M. Tech. and M.C.A. project will be evaluated in two phases' viz., mid-term and final. The midterm is for 40% and the final is for 60%.

2. The mid-term and final evaluation will be done by a Board of examiners and the students have to present the work done by them.

3 (i) The provisional certificate-cum-consolidated grade transcript shall contain the CGPA and the division also. This document shall also contain a classification of the results under the letter grade system.

(ii) An additional grade sheet will be given to the students for the audit courses taken by them without attributing the credits, and also for the courses taken by them having credits which are not counted for the award of the degree and the credits scored by them for the extracurricular activities like NSS, literacy programme etc. The audited courses will be included in the additional grade sheet, based on the certification given by the teacher concerned and recommended by the Head of the Department and Dean of the School concerned.

(iii) In the degree certificate, the division will also be mentioned.

(iv) In addition to the above provisions, the existing evaluation regulations in the University shall be applicable in the other matters, wherever required.

Bridge courses for SC/ST Ph.D. scholars

Students from the SC/ST category who are admitted to **Ph.D.** programmes and identified with some academic deficiencies have to take up bridge courses for a maximum period of two semesters to enable them to pass the course work and this period will not be counted against the maximum period (5+1 year) allowed for submission of the thesis.

M.Phil and Ph.D. scholars will be governed by the UGC Regulations, 2016 and its amendments and as approved/ adopted by the Academic Council, which is appended in detail in this

Prospectus. All M.Phil and Ph.D. scholars are advised to read the details and comply with the guidelines in their interest.

Grace Marks

The 53rd Academic Council meeting held on 12.10.2004, approved the Prof. V. Kannan Committee report. Accordingly, the provision of awarding grace marks by the Results Committee chaired by the Vice-Chancellor to be continued and a maximum CGPA of 0.02 may be considered as Grace Mark for all Integrated PG and PG courses (**except for M.Tech./M.Phil./Ph.D**.) for securing the following:

a) To secure I Division from Second
b) To secure II Division from Third
c) To secure an overall CGPA of 6.00

After successful completion of the course, a student may represent to Controller of Examinations for consideration of the Grace Mark. This shall be placed before the Results Committee/Vice-Chancellor for consideration and shall be reported to the Academic Council

GUIDELINES FOR SWAYAM COURSE REGISTRATION UNDER MOOCs

Following the UGC (Credit Framework for online learning courses through SWAYAM) Regulations 2016, the following procedure concerning registration of MOOCs courses by the students of University of Hyderabad is prescribed:

a. Students of the University can register for the MOOCs courses offered by the SWAYAM Platform.

b. Further, if these courses are approved by the respective Schools/Departments/Centres which are awarding the Degrees and are floated among the other courses of same or equal credits in that semester, it shall be considered for credit transfer, calculation of CGPA and be reflected in the Provisional Certificate. Academic units will specify whether SWAYAM courses taken by a student are in the place of a core paper/elective or is taken as an extra course.

c. The course mapping of their courses shall be done by the Dean/Head in the e-governance.

d. To coordinate the registration of MOOCs courses at the Academic Unit level, a faculty coordinator is to be nominated by the Dean/HOD. The concerned faculty coordinator will forward the results to CE's Office.

e. Students can register for a maximum of one course per semester under MOOCs.

f. No student shall register for online MOOCs courses during the final semester of his/her programme.

g. If any students take a MOOCs course on his own without the approval of the faculty coordinator or the Academic unit, the credits earned will not count for credit transfer, calculation of CGPA and will not be reflected in the Provisional Certificate. Such SWAYAM course can be considered as additional / extra elective / audit/ courses.

This will apply to the College for Integrated Studies and other Academic Units from 2020-21 for all programmes.

PROCEDURE FOR THE RE-EVALUATION OF ANSWER SHEETS

1. The University will have a system of re-evaluation for the students and it need not be in a form of grievance.
2. The re-evaluation is allowed only for end-semester exam answer sheets (Regular, Supplementary, Improvement, etc.). The re-evaluation is open for theory courses only and not for Project/Dissertation/Practical/Lab Courses/Workshop/Seminars, etc.
3. A student can apply for re-evaluation within 15 days of the reopening of the University.
4. A student can apply for re-evaluation by paying a fee of Rs. 150/- per paper for a maximum of 2 papers only per semester to the Dean/Head of the Academic Unit.
5. The fees paid will be non-refundable and non-adjustable.
6. The Dean/Head of the Academic Unit will arrange to show the answer sheet to the student concerned (along with the concerned Course Instructor) and if the student is satisfied, no further action is required. However, if the student is not satisfied, then the answer sheet may be re-evaluated by a faculty other than the instructor and its recommendations are forwarded to the Controller of Examinations.
7. In cases of re-evaluation, the best of two will be considered as the final marks i.e., before re-evaluation or after re-evaluation. If the difference in marks obtained after the re-evaluation is 10 or more, the answer book may go for a third independent re-evaluation which will be decided upon consultation with the Vice-Chancellor.
8. The Dean/Head of the Academic Unit shall forward the re-evaluation results to the Controller of Examinations within 15 days from the date of receiving the request of re-evaluation from the student.

Note

If a student is not satisfied with the re-evaluation by the School/Department/Centre then, he/she can represent to the Controller of Examinations for getting the paper evaluated by an examiner (to be decided in consultation with the Vice-Chancellor), whose evaluation will be final. The fees for external evaluation in all such cases shall be Rs. 200/- per paper which shall be paid by the student concerned.

15. (a) Students absenting themselves after payment of fees from a regular semester examination are permitted to appear in the supplementary examination subject to fulfilling the attendance requirement. The application for the supplementary examination in the prescribed form along with the prescribed fee should reach the office of the Controller of Examinations through the Department/Centre/School concerned by the date prescribed.

(b) Students may opt for an audit/Extra course within the Department or outside, provided he/she fulfills 75% of attendance requirement for an audit/Extra course for including it in the additional grade sheet.
(c) The option once exercised for audit/extra courses shall be final.

MEDALS FOR EXCELLENCE IN STUDIES FOR THE ACADEMIC YEAR 2020-21

Rules and guidelines for determining the toppers for the award of Donor/University/OBC/SC&ST Medals in the 22nd Convocation to be held in year 2020 for students passing out in the Academic Year 2020-21.

The following medals will be given to the toppers who have secured the highest marks with the highest CGPA (without attempting/appearing in any improvement and supplementary examinations in their academic tenure of the course) among the other students in their respective courses.

Medals will be awarded to only those who have passed/completed the course in the academic year mentioned above.

If one or more students get the highest marks with the same CGPA among the other students in their respective course during their tenure and stood in the first rank, in such cases, the following criteria will be used:

1. More number of semesters with highest SGPA
2. Better grades in overall core courses taken together
3. Overall attendance in all semesters taken together

A student must have passed with at least First Division or obtained a CGPA of 6.5 and above to be eligible for any medal.

To encourage good performance in studies, the University has instituted several donor medals as detailed below**:**

S.No.	Name of the Medal	Course/Subject
Donor Medals		
1	M/s Jindal Jubilee Gold Medal	M.Sc. Mathematics
2	M/s Narosa Publishing House Medal	M.Sc. Mathematics (Applied)
3	Prof. S.N.N. Pandit Gold Medal	M.Sc. Statistics (2019)
4	A.P. Mahesh Bank Medal	MCA
5	Bhagwat Saran Agarwal Memorial Medal	M.Sc. Physics
6	Prof. VV Sarma Memorial Medal	M.Sc. Chemistry
7	Prof. A.N. Radhakrishnan Memorial Medal	M.Sc. Biochemistry
8	Sri Jatindra Mohan and Basantilata Medal	M.Sc. Biochemistry
9	KLN Reddy Medal	M.Sc. Plant Biology & Biotechnology
10	Kottapalli Narasayya Medal	For a topper who secures highest marks in core subjects of M.Sc. Plant Biology & Biotechnology
11	Kiran Kumar Medal	M.Sc. Animal Biotechnology
12	Dr. Salam Khan Bio Asia Medal	M.Sc. Biotechnology
13	Pingali Mohan Reddy Medal	For overall performance in PG in Life Sciences
14	Electrotek International Inc., Chennai, Gold Medal	M.Sc. Ocean and Atmospheric Sciences

15	Prof.RadhanathRath Memorial Medal	I.M.Sc. Health Psychology
16	Sarojini Naidu Memorial Trust Medal	M.A. English
17	C T Indra Endowment Medal	M.A. English (2018)
18	RoopchandChajed (Jain) Medal	M.A. Hindi
19	Prof. P. Ramanarasimham Medal	For a topper in M.A. Telugu who secures highest marks in the following courses put together: i) Introduction to General Linguistics ii) Evolution of Telugu Language iii) Structure of Modern Telugu iv) Comparative Dravidian
20	Sri NittalaVenkataSomayajulu Memorial Medal	M.A. Telugu – Special Reference to literature (Both Classical & Modern)
21	MahakaviDasuSreeramulu Medal	M.A Telugu with special reference to Classical Literature
22	Sri Darla Abbai Memorial Gold Medal	M.A. Telugu with special reference to Indian Poetics & Literary Criticism
23	Dr. Prakash Moonis Memorial Medal	M.A. Urdu
24	Dr.NaushabaHasnain and Prof. Syed Mohammad Hasnain Medal	For performance in PG courses of School of Humanities with a preference to M.A. Urdu, if the overall marks are 1% less than the topper in other subjects
25	Prof.BhadrirajuKrishnamurthi& Smt. ShyamalaGold Medal	M..A. Applied Linguistics
26	Andhra Bank Medal	M.A. History
27	Smt. Bodicherla Krishnamurthy Nagalakshsmi Medal	M.A. History
28	Alumni Medal (for a topper in Social Anthropology)	M.A. Anthropology
29	M/s Jindal Jubilee Gold Medal	M.A. Economics
30	Shri P. Pattabhi Ramaiah Gold Medal	M.A. Economics (2018)
31	Nataraja Ramakrishna Sharada Devi Medal	M.P.A. Dance
32	Sri S L Parasher Medal	M.F.A. Painting
33	Canara Bank Medal	M.A. Communication
34	Vasavi Academy of Education Medal	M.B.A.
35	SBH Medal	M.Tech. CS
36	Alekhya Technology Medal	M.Tech. AI
37	IDRBT Medal	M.Tech. IT
38	MannapalliSubbaramaiah Medal	For overall performance in M.Tech. CS/AI/IT
39	C R and Bhargavi Rao Medal	M.Tech. Information Security (from 2020)
40	Tadinada Sri Mahalakshmi Medal	M.Tech. Mineral Exploration
41	Zen Tech Gold Medal	5-Year Integrated M.Tech. Computer Science
42	Dr. APJ Abdul KalamGold Medal	M.Tech. Materials Engineering
43	RoopchandChajed (Jain) Medal	M.Phil. Hindi

44	Akhtar Hassan Memorial Medal	M.Phil. Urdu
45	Prof. G.C. Jain Medal	M.Phil. Urdu
46	Prof. Kishore Saran Lal Medal	The best M.Phil thesis to be adjudged every year in History (special reference to Medieval Indian History 11th to 18th Centuries)
47	Dr.Rajendra Kumar Nigam & Smt. Meera Nigam Medal	The best Ph.D. thesis to be adjudged every year in Plant Sciences
48	Prof.PalluReddanna& his Ph.D. and Post Doc. Students Medal	a) Should have published the highest impact factor journal in the Dept. of Animal Biology in that particular year. b) No review papers should be considered for the award. c) Only the first author should be considered. In the case of equally contributing authors, the award goes to the author appearing first in publication. d) Among equally contributing students if the first author appearing in the publication is not from India, then the second Indian author appearing in the publication can be considered. e) Only to be awarded once to a given student. In case the already awarded student publishes a high impact journal in the next academic year also then the award goes to the student next in the list.
49	Dr.Bhaskar Raj Saxena Memorial Medal	The best Ph.D. thesis to be adjudged every year in Hindi
50	Dr. K. Kameswari Devi Memorial Gold Medal	The best Ph.D. thesis in Telugu to be awarded once in two years (even years only)
51	Dr. (Mrs) Sheela Raj Memorial Medal	The best Ph.D. thesis to be adjudged every year in History
52	Prof. A.S. Dash's Medal	Ph.D. Psychology (Best Ph.D. Thesis)
53	Rai Narhari Pershad Gold Medal	The best Ph.D. thesis to be adjudged every year in the Department of Sanskrit Studies. If Ph.D. thesis is not available, then medal will be given to best M.Phil. Dissertation in the Dept. of Sanskrit Studies.
Donor Medals for women toppers		
54	Prof. M. Shakuntala Memorial Medal	M.Sc. Physics
55	Dr. B. Venakta Rama Sastry Memorial	M.Sc. Biochemistry (in the absence of

	Medal	woman topper), then for overall performance in PG in Life Sciences
56	Smt. Shibani Ray and Dr.Timir Kumar Ray Memorial Medal	M.Sc. Animal Biology & Biotechnology
57	Smt. Ravuri Kantamma Bhardwaja Medal	M.A. Telugu
58	A.P. History Congress Medal	M.A. History
59	Prof. G. Ram Reddy Memorial Medal	M.A. Political Science
60	State Bank of India Medal	M.A. Economics
61	Ms.Uma Devaguptapu Memorial Medal	M.B.A. General
University Medals for PG Courses (Toppers)		
62	M.Sc. Molecular Microbiology	
63	M.Sc. Health Psychology	
64	Master of Public Health (M.P.H)	
65	M.A. Philosophy	
66	M.A. Applied Linguistics	
67	M.A Comparative Literature	
68	M.A. Political Science	
69	M.A. Sociology	
70	M.A. Anthropology	
71	M.B.A. Health Care and Hospital Management	
72	M.F.A Print Making	
73	M.F.A Sculpture	
74	M.F.A. Art History and Visual Studies	
University Medals for Integrated PG Courses (Toppers)		
75	I M.Sc, Mathematics	
76	I M.Sc. Physics	
77	I M.Sc. Chemical Sciences	
78	I M.Sc. Systems Biology	
79	I M.Sc. Optometry & Vision Sciences	
80	I M.Sc. Applied Geology	
81	I.M.A Hindi	
82	I M.A Telugu	
83	I M.A Language Sciences	
84	I M.A Economics	
85	I M.A History	
86	I M.A Political Science	
87	I M.A Sociology	
88	I M.A Anthropology	

SC/ST Medals

The University has instituted medals for securing the first rank with first-class among the SC/ST students in various examinations at Integrated and Master's degree level in the year 1991 – the birth centenary of Bharat Ratna Dr. B.R. Ambedkar.

OBC Medals

The University has instituted medals for securing the first rank with first-class among the OBC students in various examinations at Integrated and Master's degree level from 2019 onwards.

CHANGE OF NAME OF THE STUDENT

The 84th Academic Council at its meeting held on 22.3.2019 approved the following guidelines for **change of his/her name** in University records:

1. A provision will be made in e-governance Students log in, which will prompt the students twice to check his/her name as per SSC/X Certificate in the 1st semester of studies.
2. All students will be admitted strictly as per their names in SSC/X Certificate.
3. After the Gazette notification of name change, the university will recognize his/her new name from the date of notification onwards and issue certificates with the changed name along with alias name.
4. Request for change of name will not be entertained from a person who is not a student of the University at the time of making the application for change of name.

MALPRACTICES (PREVENTION AND DISCIPLINARY ACTION) RULES

In pursuance to the approval of the guidelines recommended to deal with cases of malpractices by the 76th Academic Council, the following rules are herewith notified. They shall be known as Malpractices (prevention and disciplinary action) rules:

A) DISCIPLINARY ACTION FOR MALPRACTICES / IMPROPER CONDUCT IN EXAMINATIONS

	Nature of Malpractice/Improper conduct	**Disciplinary action**
1 (a)	If the candidate possesses or arranges access in the examination hall, any paper, notebook, programmable calculators, Cell phones, pager, palm computers or any other form of material (in any form) concerned with or related to the subject of the examination (theory or practical) in which he is appearing but has not made us of (material shall include any marks in any format (diagrams, clues, writing) on the body of the candidate which can be used as an aid in the subject of examination)	Expulsion from the examination hall and cancellation of the performance in that subject only.
(b)	If the candidate gives assistance or guidance or receives it from any other	Expulsion from the examination hall and cancellation of the performance in that

	candidate orally or by any body language methods or communicates through any means with any candidate or persons in or outside the exam hall in respect of any matter.	paper only of all the candidates involved. In case of an outsider, she/he will be handed over to the police and a case is registered against him/her.
2	If the candidate has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the subject of the examination (theory or practical) in which the candidate is appearing.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examination and project work and shall not be permitted to appear for the remaining examination of the subjects of that Semester/year. The Hall Ticket of the candidate will be canceled and sent to the University.
3	If the candidate impersonates any other candidate in connection with the examination.	The candidate who has impersonated shall be expelled from the examination hall and shall forfeit the admission. The performance of the legitimate candidate, who has been impersonated, shall be canceled in all the subjects of the examination (including practical and project work) already appeared and shall not be allowed to appear for examinations of the remaining subjects of that semester/year. The candidate is also debarred for two consecutive semesters from classwork and all University examinations. If the imposter is an outsider, he will be handed over to the police and a case is registered against him/her.
4	If the candidate carries in the Answer Book or Additional Sheet or takes out OR arranges to send out the question paper during the examination OR answer book or additional sheet, during or after the examination.	Expulsion from the examination hall and cancellation of the performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from admission classwork and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with the forfeiture of admission.
5	If the candidate uses objectionable, abusive or offensive language in the	Cancellation of the performance in that subject.

	answer paper, or letters to the examiners or communicates with the examiner in any form requesting her/him to award pass marks or makes any other request.	
6	If the candidate leaves the exam hall taking away answer script or intentionally tears off the script or any part thereof making it illegible in any form or outside the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all the other papers the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from admission classwork and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with the forfeiture of admission.
7	If the student of the School, who is not a candidate for the particular examination or any person not connected with the school indulges in any malpractice or improper conduct.	Student of the school: expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the admission. Person(s) who do not belong to the School/University will be handed over to the police and a police case will be registered against them.
8	Copying detected based on internal evidence, during evaluation or special scrutiny as may be undertaken by the University.	Cancellation of the performance in that subject and all other subjects the candidate has appeared including practical examinations and project work of that semester/year examinations.
9	If any malpractice/misbehaviour is detected which is not covered in the above clauses 1 to 8 shall be reported to the University for further action to award suitable disciplinary action.	

Note

No supplementary examination shall be permitted for those students who are caught in cases of malpractice.

B) The following shall be ensured by the School in preparations for examinations:

1. Physical (seating) arrangement shall be handled by the school in such a way that the concerned teacher can effectively invigilate.
2. All stationery shall be provided by the school in the examination hall.
3. Mobile phones and other such devices, except for calculators (where approved by the faculty) shall be allowed in to the examination hall.
4. The question paper shall be brought in by the concerned teacher and the responsibility shall be lying with the concerned teacher.
5. Washrooms/lavatories etc to be cleared one day before the examination begins and every day thereafter till the end of the examinations.

As internal examinations (continuous evaluation) also affect term-end examinations, the following rules shall be followed with regards to the conduct of internal examinations:

1. The teacher shall conduct a test each month avoiding the month in which end-semester exams are conducted.
2. The concerned faculty should mandatorily invigilate the semester-end examination of his/her course.
3. The Deans/HoD will ensure that tests are conducted every month using such means as found suitable.

C) Distribution of roles and responsibilities in the examination hall:

<table>
<tr><th rowspan="2">S.No.</th><th rowspan="2">Students</th><th colspan="2">Responsibilities</th></tr>
<tr><th>Faculty</th><th>School / Dept. Administration</th></tr>
<tr><td>1</td><td>Shall not carry any material, phones except instruments to write, scale, pencil, scientific Calculator.
Only admit card and stationery shall be permitted</td><td>Shall ensure the same</td><td>Frisking before entering the hall including checking for writing on the body, hands, etc.</td></tr>
<tr><td>2</td><td>Shall not talk, Communicate in any manner with anyone except the invigilator</td><td>Shall invigilate personally with the assistance of scholars, office staff as needed</td><td rowspan="2">Shall provide water etc. so that movements of the students are restricted</td></tr>
<tr><td>3</td><td>Shall not be allowed to go out during the first half-hour and not more than once during the examination</td><td>Shall ensure that not more than one student goes out of the hall at any given time</td></tr>
</table>

Mode of Implementation

If a student is caught for malpractice by any official concerned with the conduct of examination, he shall be handed over to the Dean of the School. The Dean of School shall identify the Nature of malpractices/Improper conduct as indicated from 1 to 8 or 9 as the case may be in the table above at A, and forward all such cases to the Office of the Controller of Examination. The office of the Controller shall process the complaints and hand out disciplinary action as per the recommendations given against each case in the table at A.

The above rules are in force with effect from July 01, 2016.

GUIDELINES ON ANTI-PLAGIARISM ASPECT OF THESES/DISSERTATIONS

1. The similarity index for all theses/dissertations, for Ph.D., M.Phil. and M.Tech shall be capped at 10%.

2. If a student is the first author, the similarity index of that publication is to be ignored while calculating the overall similarity index.

3. Where the student is not the first author, the matter shall be taken upon a case by case basis on the recommendation of the supervisor and the HoD/ Dean of the school.

4. Either the paper published or the acceptance letter and abstract on the journals letterhead/ official e-mail shall be required to be enclosed along with the thesis as annexure. This may also be mentioned in every chapter, if applicable, along with the details of the journal where the paper was previously published.

5. a. The format of the Certificate to be attached to the Ph.D. thesis is enclosed at **Annexure 1**.

b. The format of the certificate to be attached to M.Phil and M.Tech dissertations is enclosed at **Annexure 2.**

6. All efforts may be made so that the thesis/dissertation should not be a mere reproduction of the publications. The practice of using the complete extract of the publications in the theses/dissertations is to be discouraged and the supervisors should encourage the students to rewrite their papers.

Annexure 1

CERTIFICATE
(For Ph.D. Thesis)
This is to certify that the thesis entitled _____
Submitted by_____bearing registration number _____
in partial fulfilment of the requirements for award of Doctor of Philosophy in the School of _____ is a bonafide work carried out by him/her under my supervision and guidance.

This thesis is free from plagiarism and has not been submitted previously in part or in full to this or any other University or Institution for the award of any degree or diploma.

Further, the student has the following publication(s) before submission of the thesis/monograph for adjudication and has produced evidence for the same in the form of acceptance letter or the reprint in the relevant area of his research: (**Note**: at least one publication in referred journal is required)
1._____(ISBN/ISSN Number_____),
Chapter of thesis where this publication appears (delete if not applicable) _____,
2._____,
Chapter of thesis where this publication appears (delete if not applicable) _____
And has made presentations in the following conferences :
(**Note**: Delete if not applicable)
1._____, (National/International)
2. _____, (National/International)

Further, the student has passed the following courses towards the fulfilment of the coursework requirement for Ph.D. has been exempted from doing coursework (recommended by the Research Advisory Committee) based on the following courses passed during his M.Phil program and the M.Phil degree awarded:

Course Code	Course Title	Credits	Pass/Fail
1.			
2.			
3.			
4.			

Supervisor **Head of Department** **Dean of School**

Annexure 2

CERTIFICATE
(for M.Phil and M.Tech. Dissertation)

This is to certify that the dissertation entitled "…… …….. submitted by …… bearing Registration No. …….. in partial fulfillment of the requirements for the award of ……..in (subject)……is a bonafide work carried out by him/her under my/our supervision and guidance which is a Plagiarism free thesis

The thesis has not been submitted previously in part or in full to this or any other University or Institution for the award of any degree or diploma.

Supervisor/s **Head of the Department/Centre** **Dean of the School**

Charter of services with time duration

Sl.	Examinations Section	Time Duration
1	Degree Certificate at Convocation	Not applicable
2	Degree in-absentia	Within 25 Days after Convocation
3	Degree before Convocation	20 Days
4	Degree for Foreign Nationals	20 Days
5	Issue of duplicate Degree Certificate	One month
6	5-Year Integrated PG/PG/ M.Phil / M.Tech / Ph.D-ProvisionalCertificate	14 Days
7	Revised Corrected Semester Grade Transcript	7 Days
8	Revised Corrected PG/M.Phil / M.Tech ProvisionalCertificate	7 Days
9	All Kinds of certificates like Medium of Study and Course Completion, UGC Regulations 2009/ 16 and NET Exemption certificate	4 Days
10	To Certify Official Transcripts	2 Days
11	Permission for Recourse/Repeat	7 Days
12	Permission for Supplementary/ Improvement Examination Special Supplementary Examination	4 Days
13	Miscellaneous (Rank Certificate etc.)	4 Days

NOTE

1) No. of working days mentioned above is excluding the day of submission and holidays.

2) The requests should be routed through proper channel and complying with the required conditions.

3) Students need to show their ID cum semester registration card.

4) All Certificates have to be collected from the respective sections between 3-5 pm after the prescribed duration.

Charges/Fees for the issue of various certificates

It is notified for the information of all concerned that the Charges/ Fees prescribed for issuing of various certificates by Academic/ Examination branch have been revised as approved by the Finance Committee at its meeting held on 17-12-2018 which are as under.

Sl. No.	Description of Service		Charges/ Fee (Rs.)
1	Original Degree Certificate at Convocation		700
2	Original Degree in-absentia (Including Postal Charges)		1000
3	Original Degree before Convocation		1200
4	Original Degree for Foreign Nationals		$100
5	Issue of duplicate Original Degree Certificate		3000
6	Provisional Certificate	PG	250
		M.Phil./M.Tech.	500
		Ph.D.	1200
7	Revised Corrected Semester Grade Sheet		100
8	Revised Corrected PG/ M.Phil. / M.Tech Provisional Certificate		100
9	All Kinds of temporary certificates (Medium of Study, Course Completion, CGPA, Rank Certificate, etc.)		100 Each
10	Certification Official Transcripts		100 Each
11	Permission for Supplementary/ Improvement Examination Special Supplementary Examination & Repeat/ Recourse Examination - All courses of Integrated PG, PG, M.Tech, M.Phil. & Ph.D.		50 Per Course + (100 for Grade sheet)
12	Ph.D./M.Phil. UGC Regulations Certificate		100
13	Issue of Duplicate	Provisional Certificate	300
		Grade Sheet (Each)	200
14	Late Fee for OD after Convocation		500 (for every delayed year)
15	Postal Charges for Dispatch of Certificates		100
16	Bonafide Certificate		100
17	No Objection Certificate for Visa application/ Attending Seminar Conferences, Fee Paid Certificate, etc.		100
18	Re-admission for all Integrated P.G./ P.G. courses		300
19	Issue of Transfer-cum- Migration & Bonafide Certificate	Course Completed for All P.G. courses	300
		Discontinued TC/BC for all courses	50
20	Duplicate Transfer/Migration Certificate		300
21	Duplicate Semester-cum-ID card		150
22	Late Semester Registration		700

IMPORTANT

Students who have completed their courses must collect their certificates within a maximum period of one year from the date of convocation in which they have been declared eligible for the award of their respective degrees failing which holding charges @ 500/- per annum will be applicable as shown in Sl. No.14, in addition to the prescribed fee mentioned in the above table, shall be paid by the students concerned. The above charges are w.e.f. Jan 01, 2019.

APPENDIX – II [Academic Ordinance]

Rules for preservation of various records concerning academic & examination matters

S.No	Name of the record	Period of preservation in the Section
1	Files containing the approval of admissions to various courses	Two years
2	i) Personal files of students along with their applications for admission: a) Those awarded degrees by the University. b) Who discontinue without completing their studies ii) Applications of rejected candidates	One year after the Convocation in which the degree is awarded to the concerned student One year after the withdrawal of admission One year after the closure of admission
3	Legal cases concerning admissions	Three years from the year of admission/case being filed
4	Enrolment Register	Permanent
5	Evaluated OMR/answer books of the candidates for the Entrance Examination	To be destroyed after one year of the date of the entrance examination by the concerned School/Department/Centre.
6	Question papers for the Entrance Examinations	To be uploaded in website and one set with the Controller of Examinations
7	Any confidential work of Entrance Examinations	All records to be destroyed after completion of the concerned examinations.
8	Attendance records of students	To be preserved by the respective Schools / Department/Centres and destroyed after one year of completion of the prescribed course
9	Year Book concerning student admissions, enrolment, the award of scholarship, etc.	Permanent one bound copy to be preserved by the Controller of Examinations
10	Disciplinary cases	One year after completion of the course by the concerned student
11	Tabulation Register	Permanent
12	End- Semester Result files	Permanent
13	Result Notification (Final Examinations)	Permanent One set by the Controller of Examinations and one by the concerned School/Dept./Centre
14	Degrees/Medals received back undelivered	Permanent till they are delivered
15	Cancelled degrees	One year after the Convocation and thereafter to be counted and destroyed by the CE in the presence of at least 3 Officers
16	Order of presentation degrees at the Convocation duly signed by the Vice-Chancellor/Chancellor	Permanent with the Controller of Examinations
17	General correspondence regarding manufacture and award of medals	One year after Convocation
18	Answer books of end-semester	To be destroyed after one year of the end-

	examinations	semester exam by the concerned School/ Department/Centre
19	Examiner's reports on M.Phil/M.Tech/Ph.D dissertation/ project report/ thesis	Permanent
20	File concerning the award of honorary degrees	Permanent
21	Question papers of the end-semester examinations	One set of question papers for each semester to be preserved by the School/Department/Centre/ Library for 5 years
22	Thesis/Dissertation copies of Ph.D./M.Phil./M.Tech.	INFLIBNET Shodhganga
Note: Examination records will be preserved in the Section itself		
23	Agenda and Minutes of Academic Council/Standing Committee of the Academic Council.	Permanent
24	Agenda and Minutes of School Boards	Permanent to be kept in the custody of the Dean of the School concerned
25	Agenda and Minutes of Departmental Committees	Permanent to be kept in the custody of the Head of the Department/Centre concerned.

Brief Summary of Minimum Standards and Procedure for Award of M.Phil/Ph.D. Degrees, as per UGC Regulations 2016 and its adoption by the Academic Council for M.Phil./Ph.D. students admitted from 2017-18 onwards

S.No	Content Items	Resolution of the Academic Council	
		M.Phil	**Ph.D.**
1	Eligibility criteria for admission	Master's degree or equivalent professional degree with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7-point scale or an equivalent grade	1) Same as M.Phil. 2) Candidates who have cleared the M.Phil course work with at least 55% marks in aggregate; or its equivalent grade 'B' in the UGC 7-point scale (or an equivalent grade in a point scale in a grading system) and have completed the M.Phil. Degree shall be eligible to work towards the Ph. D. Degree in the same Institution within an integrated programme. A person whose M.Phil dissertation has been evaluated and only the viva voce is pending may be admitted to the Ph.D. programme of the same Institution. A relaxation of 5%, from 55% to 50%, or an equivalent relaxation of grade, may be allowed for those belonging to SC/ST/OBC (Non-Creamy Layer)/differently-abled and other categories of candidates as decided by the Commission from time to time.
2	Duration of the programme	For M.Phil: Min. duration: 2 semesters or 1 year (including course work) Max duration: 4 semesters or 2 years Under 4.4: Max duration for women & PWD: 6 Semesters or 3 years No extension is required till 3rd semester of registration. Under 4.4, for women & PWD: Additional relaxation of 1 year i.e. up to 3 years from the date of admission. Candidates will have to apply for the extension period beyond 2 years up to 3 years and will have to do semester registration.	For Ph.D.: Min. duration : 3 years (including course work) Max duration: 6 years Under 4.4: Max duration for women & PWD: 16 Semesters or 8 years No extension is required until 6 years of registration. Under 4.4, for women & PWD: Additional relaxation of 2 years i.e. up to 8 years from the date of admission. Candidates will have to apply for the extension period beyond 6 years up to 8 years and shall have to do semester registration.

3	Procedure for admission	Admission to M.Phil /Ph.D. students shall be through an Entrance Test conducted at the level of individual University/Institution Deemed to be a University. The University/Institution Deemed to be a University may set separate terms and conditions for the Ph.D. Entrance Test for those students who qualify in UGC-NET (including JRF) / UGC- CSIR NET (including JRF) /SLET/GATE/, teacher fellowship holders, or those who have obtained an M.Phil degree. A similar approach may be adopted for the M.Phil programme. According to the regulations, the qualifying marks in the Entrance Exam will be 50% for General category/ EWS and 45% for SC/ST/OBC/PWD category. The syllabus of the Entrance Test shall consist of 50% of research methodology and 50% shall be subject-specific. The **merit list** for admission will be prepared based on the **performance in the written test and interview** put together. Candidates appearing in the entrance test will be called for interview as per the ratio approved by the Academic Council from time to time. The final selection for admission for M.Phil/Ph.D. will be based on the performance in the Entrance and interview. The School/Department/Centre may give some weightage **within** the interview marks like any appropriate fellowships, gold medals, and distinctions as decided by the respective Admission Committees for the academic year which will be put on the website. All members of the Admission Committee including SC/ST/OBC representative (except co-opted members) will award marks to all candidates. 'Department Research Committee' (DRC) of the UGC Regulations, will be called as the Admission Committee in UoH. All faculty members are eligible to serve as members of the Admission Committee subject to the condition that their dependents/relatives are not appearing in the Entrance Exam for admissions to their School/Dept./Centre. The Chairperson, Admission Committee will take an undertaking from all members in this regard. Admission, whether regular, part-time or external, will be through the same modes of admission as above. The cut-off date for calculating the intake for July session will be on **31st March** of that year; for the January session the cut- off date will be **30th September** of the previous calendar year. There will be no admissions to M.Phil/Ph.D. under the Foreign National/Kashmiri Migrant and DP category. 5% of PH seats will be earmarked **within** the Intake in July session. **No change in intake is to be done after the cutoff date for each session.**
4	Allocation of Supervisor	Only full-time regular faculty shall be Supervisors. The Departmental Committee/School Board is to ensure allotment of supervisors to all M.Phil/Ph.D. candidates within **one month** of

		admission, duly notifying the Controller of Examinations. The Department Committee / School Board, besides constituting the RAC and identifying broad area/s of research, will also assess requests for change of supervisor, etc. Faculty i. must have more than 3 years of service for superannuation to be a supervisor; ii. must have more than 1 year of remaining service to be a Co-supervisor; iii. must have a Ph.D. or equivalent degree to be a Supervisor; iv. Joining the university through Direct Recruitment or promoted under CAS on or after 20-3-2017 should also fulfill the criterion of the required number of publications in the refereed journals of UGC, as mentioned in the para 6.1 of UGC Regulations, 2016 to be eligible to be supervisors. Re-employed/Contract faculty cannot be Supervisors/ Co-supervisors. Only full-time, regular Faculty/Scientists of External Centres may serve as Co-Supervisors, subject to fulfilling the eligibility criteria stated in paras 6.1 and 6.5 of the UGC Regulations 2016. Superannuating faculty, after guiding a student for 3 years or more, may decide whether they wish to continue as supervisors. If such is not the case, the Dean/Head shall make alternate arrangements to allot a Supervisor to the student under intimation to the School Board. If a faculty proceeds on long leave/sabbatical/study leave/EoL or resigns etc. then Dean/Head shall make alternate arrangements under intimation to the School Board. The maximum number of students who may be supervised at any given point of time by a Professor, an Associate Professor, Assistant Professor are as follows: Professors: 8 Ph.D. + 3 M.Phil. Associate professor: 6 Ph.D. + 2 M.Phil Assistant Professor: 4 Ph.D. + 1 M.Phil. In the School/Department/Centre where there is no M.Phil programme, faculty may guide Ph.D. students treating 2 M.Phil as equivalent to 1 Ph.D. De-registered/re-registered (before 2017-18 batch) and regular Ph.D. students (until submission of their theses) and the M.Phil students (until submission of their dissertations) will be counted against the quota available with the faculty.
	In case of relocation of an M.Phil/ Ph.D. woman	Women scholars are allowed to relocate to another institution, provided they have secured the seat in the other institution through a proper/regular admission process. The applicant should obtain a “No-

	scholar due to marriage or otherwise.	Objection" certificate from the University of Hyderabad through proper channel permitting her to transfer research data and should give due credit to the Supervisor and the University of Hyderabad in her thesis/dissertation.	
5	Course work	Course work for M.Phil/Ph.D. will be of 12-14 credits. 2 credit course on "Research and Publication Ethics (RPE)" to be made compulsory for all M.Phil/ Ph.D. students admitted from 2020-21. During the course work, the students are expected to meet the attendance requirements as mandated by the University. Course work is to be completed one year after taking admission, failing which the student's admission to the programme will stand cancelled. M.Phil/Ph.D students can appear in Regular and Supplementary Exam in each semester. There is no provision for Improvement or Special Supplementary exam to be conducted. The Academic Units should offer the courses in the all semesters as admission to PhD will be in 2 sessions and for the students who have failed in their 1st semester and conduct the Regular and Supplementary Exam to give students a chance to complete the course work within one year. **Failure to complete the course work within one year means that the students have to leave the programme**. In course work for M.Phil and Ph.D., the pass percentage is 55% or a CGPA of 6.0. To continue the M.Phil/Ph.D. further, a candidate should acquire a CGPA of 6.0 in all course work taken together. In the Ph.D. coursework, the Results and Grade sheets will only carry Pass/Fail results. Grading for M.Phil courses is as follows : 80 < 100 A+ 75 < 80 A 65 < 75 B+ 60 < 65 B 55 < 60 C A grade sheet will be issued for the course work done. The Ph.D. course work is mandatory for all students, however, it may be exempted, if a student is admitted after completion of M.Phil. in the same subject/area (with 12-14 credits including the course on Research Methodology) on the recommendation by Research Advisory Committee (RAC) of the School/Dept./Centre subject to fulfilling the other requirements. The request for exemption should be made in the 1st semester of his admission only. An order shall be issued in this regard from the office of Controller of Examinations. No requests for exemption of course work will be accepted after the 1st semester.	
6	Research Advisory Committee (Earlier Doctoral Research Committee)	Research Advisory Committee for M.Phil students: Supervisor + 1 Member The RAC will meet every semester and send its	RAC for Ph.D. Supervisor/s+ 2 members Supervisor to be Convener. The RAC will meet every semester and send its recommendations for all candidates in terms of their work in

		recommendations for all candidates in terms of their work in progress. The RAC will also report cases of irregularity/ unsatisfactory performance and absenteeism to the Controller of Examinations through Head/ Dean. RAC recommendation is essential for semester registration/ extension.	progress. The RAC will also report cases of irregularity/ unsatisfactory performance and absenteeism to the Controller of Examinations through Head/ Dean. RAC recommendation is essential for semester registration/extension.
7	Evaluation and Assessment Methods, minimum standards/credits for award of the degree	M.Phil: Course work 12 – 16 credits Ext. Examiner's report 04 Credits Supervisor's report 04 Credits Pre-submission 02 Credits Viva-voce 02 Credits ----------Total of 24 Credits ---------- Open viva-voce to be conducted for M.Phil. Students admitted from 2017-18 in the presence of the external examiner.	The Ph.D. thesis submitted by a research scholar shall be evaluated by his/her Research Supervisor and at least **two** external examiners, employed outside the Institution/College where the research was undertaken, and one examiner may be from outside the country. The viva-voce examination shall be conducted by the Research Supervisor and at least one of the two external examiners.
		The External Examiners for the M.Phil/Ph.D. thesis should be of the level of Associate Professor/ equivalent and above. If the external examiner of the M.Phil dissertation or one of the external examiners of the Ph.D. thesis declares the work as "unsatisfactory" (rejected), the thesis may be sent to the next examiner. If the second report also declares the work as "unsatisfactory" (rejected) then the dissertation/thesis stands rejected. In case an examiner suggests that corrections (typographical, grammatical, etc.) have to be carried out, the supervisors are to ensure the corrections are incorporated and that the dissertations/theses are error-free. Copies (both hard and soft) are to be submitted at the time of viva-voce and these are to be forwarded to Controller of Examination's office.	
	Presentations and Publications	*To adopt appropriate methods to complete the entire process of evaluation of M.Phil. Dissertation/ Ph.D. thesis within six months from the date of submission of the dissertation/thesis.* It was resolved in the 82nd Academic Council meeting held on 15-9-18	

to approve the following for evaluation of all M.Phil/Ph.D. dissertations/ theses in the University:

The panel of examiners submitted by the Supervisor and approved by the School Board should mandatorily contain the name, address, web-link of the examiner (or brief CV of the examiner), phone No., mobile No., and email address. In the absence of any of the above, the panel will not be processed and will be returned to the Dean of the School.

The dissertation/thesis should be sent along with the details of the student's course work done/ publications/ papers presented and plagiarism report for processing, in the correct formats.

The Supervisors/ Co-supervisors (if any) shall submit their reports within 15 days of submission of the M.Phil/Ph.D. thesis. The examiners in the panel of examiners shall be of the level of Associate Professor or equivalent and above only. The examiners should be willing to examine the thesis.

The following schedule will be followed for the evaluation of Ph.D. Thesis.

Email of synopsis	15 days	Reminder after 10 days a days. If no response, C contact the alternat automatically.
Sending of thesis	6 weeks	Gentle reminders after 4th week, alerting the exami last date, and regular rem weeks. CE's office to examiner and expedite t the report is not received 7 weeks.
After receiving the viva-voce report	One week to declare the result and issuing of Provisional Certificate.	One week to declare th issuing of Provisional Certi

The Deans/ Heads/ Supervisors should fix the date of viva-voce (of M.Phil/ Ph.D.) within a week of receiving the reports and inform the Controller of Examination's office.

In the case of M.Phil, the time given to External Examiner for evaluation shall be one month.

The Supervisors should not contact the external examiners and confidentiality should be maintained. In case of any breach of confidentiality, the evaluation may be cancelled.

The Supervisors should not put pressure on the CE's office for getting the reports from the external examiners before the duration given to the examiner is over. However, the CE's office shall try to get the reports at the earliest as per the schedule and declare the results within the maximum period of six months, but preferably within 3 months from submission.

M.Phil scholars shall present at least one (1) research paper at a

		conference/seminar; Ph.D. scholars must publish at least one (1) research paper in a refereed journal and do two paper presentations in conferences/seminars before the submission of the dissertation/thesis for adjudication. They must attach evidence for the above in the form of presentation certificates and/or reprints.
8	M.Phil./Ph.D through Distance Mode/part-time	No University, Institution, Deemed to be a University and College shall conduct M.Phil and Ph.D. Programmes through distance education mode.
		Part-time and external Ph.D. will be allowed at the time of admission provided all the conditions mentioned in the extant Ph.D. Regulations are met. The students shall complete the course within the maximum duration of the programme as stipulated in Para 4.2 of UGC Regulations 2016. However, the conversion from regular to Part-time is not allowed.
9	Award of M.Phil./Ph.D degrees before Notification of these Regulations, or degrees awarded by foreign Universities	Award of degrees to candidates registered for the M.Phil/Ph.D. programme on or after July 11, 2009, till the date of Notification of these Regulations shall be governed by the provisions of the UGC (Minimum Standards and Procedure for Awards of M.Phil /Ph.D. Degree) Regulation, 2009. If the M.Phil/Ph.D. degree is awarded by a foreign university, then the University shall consider such a degree by referring the issue to a Standing Committee constituted by the Academic Council to determine the equivalence of the degree awarded by the foreign university.
10	Depository with INFLIBNET	Following successful completion of the evaluation process and before the announcement of the award of the M.Phil/Ph.D. degree(s), the Institution concerned shall submit an electronic copy of the M.Phil. Dissertation /Ph. D. thesis to INFLIBNET. Before the actual award of the degree, the degree-awarding Institution shall issue a Provisional Certificate to the effect that the Degree has been awarded following the provisions of these UGC Regulations, 2016.

For further details please refer to the University Grants Commission (Minimum Standards and Procedure for Award of M.PHIL./PH.D Degrees) Regulations, 2016 available at https://www.ugc.ac.in/pdfnews/4952604_UGC-(M.PHIL.-PH.D-DEGREES)-REGULATIONS,-2016.pdf

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Details of intake into various programmes: Category-wise

Integrated & PG Programmes

Prog.	Subject	GE	SC	ST	OBC	EWS	Total	PH	DP
I.M.Sc.	Mathematical Science	8	3	2	5	2	20	1	1
I.M.Sc.	Physics	8	3	2	5	2	20	1	1
I.M.Sc.	Chemical Science	8	3	2	5	2	20	1	1
I.M.Sc.	Systems Biology	8	3	2	5	2	20	1	1
I.M.Sc.	Applied Geology	4	1	1	3	1	10	1	1
M.Opt.	Master of Optometry	11	4	2	8	3	28	1	1
I.M.Sc.	Health Psychology	8	3	2	5	2	20	1	1
I.M.A.	Telugu	8	3	1	5	2	19	1	1
I.M.A.	Hindi	4	1	1	3	1	10	1	1
I.M.A.	Language Sciences	8	3	1	5	2	19	1	1
I.M.A.	Economics	6	2	1	4	1	14	1	1
I.M.A.	History	5	2	1	4	1	13	1	1
I.M.A.	Political Science	5	2	1	4	1	13	1	1
I.M.A.	Sociology	6	2	1	4	1	14	1	1
I.M.A.	Anthropology	5	2	1	4	1	13	1	1
Int.Mtech	Computer Science	12	5	2	8	3	30	0	0
M.Sc.	Mathematics / Applied Maths	20	8	3	13	6	50	3	3
M.Sc.	Statistics - OR	10	4	2	7	2	25	1	1
M.C.A.	Computer Applications	16	6	3	11	4	40	2	2
M.Sc.	Physics	23	9	3	15	6	56	3	3
M.Sc.	Chemistry	23	9	3	15	6	56	3	3
M.Sc.	Biochemistry	10	4	2	7	3	26	0	0
M.Sc.	Plant Biology & Biotech.	9	4	2	6	2	23	1	1
M.Sc.	Molecular Microbiology	6	2	1	4	2	15	1	1
M.Sc.	Animal Biology & Biotech.	9	4	2	6	2	23	1	1
M.Sc.	Biotechnology	10	4	2	7	2	25	1	1
M.P.H.	Master of Public Health	15	6	3	10	4	38	2	2
M.Sc.	Ocean and Atmospheric Sciences	5	2	1	4	1	13	1	1
M.Sc.	Health Psychology	6	2	1	4	2	15	1	1
M.Sc.	Neural and Cognitive Science	8	3	2	5	2	20	1	1
M.A.	English	23	8	4	15	6	56	3	3
M.A.	Philosophy	11	4	2	8	3	28	1	1
M.A.	Hindi	19	7	3	13	5	47	2	2
M.A.	Telugu	23	8	4	15	6	56	3	3
M.A.	Urdu	10	4	2	7	2	25	1	1
M.A.	Applied Linguistics	11	4	2	8	3	28	1	1
M.A.	Comparative Literature	10	4	2	7	2	25	1	1
M.A.	Sanskrit Studies	6	2	1	4	2	15	1	1
M.A.	English Language Studies	9	4	2	6	2	23	1	1
M.A.	History	26	10	5	18	6	65	3	3
M.A.	Political Science	26	10	5	18	6	65	3	3
M.A.	Sociology	26	10	5	18	6	65	3	3
M.A.	Anthropology	15	6	3	10	4	38	2	2
M.Ed.	Education	21	8	3	13	5	50	3	3
M.A.	Gender Studies	8	3	2	5	2	20	1	1
M.A.	Economics	31	11	5	20	8	75	3	3
M.A.	Financial Economics	15	5	3	10	4	37	2	2

MPA	Dance: Kuchipudi	4	1	1	3	1	10	1	1
MPA	Dance: Bharatanatyam	4	1	1	3	1	10	1	1
MPA	Theatre Arts	8	3	1	5	2	19	1	1
MFA	Painting	7	2	1	5	2	17	1	1
MFA	Print Making	4	1	1	3	1	10	1	1
MFA	Sculpture	4	1	1	3	1	10	1	1
MFA	Art History & Visual Studies	4	1	1	3	1	10	1	1
M.A.	Communication (Media Sudies)	10	4	2	7	2	25	1	1
M.A.	Communication (Media Practice)	10	4	2	7	2	25	1	1
M.B.A.	General	30	11	6	20	8	75	3	3
M.B.A.	Business Analytics	15	5	3	10	4	37	2	2
M.B.A.	Health Care & Hospital Management	15	5	3	10	4	37	2	2
E.M.B.A	Executive MBA	15	7	3	11	4	40	2	2
TOTAL		**704**	**263**	**132**	**476**	**176**	**1751**	**88**	**88**
PER CENTAGE		40.21	15.02	7.54	27.18	10.05		5.03	5.03

M.Phil Programmes

Prog.	Subject	GE	SC	ST	OBC	EWS	PH	TOTAL
M.Phil. Programmes								
M.Phil.	English	2	1	0	1	0	0	4
M.Phil.	Philosophy	1	1	1	2	2	0	7
M.Phil.	Hindi	7	2	2	6	2	2	21
M.Phil.	Telugu	5	2	1	4	2	1	15
M.Phil.	Urdu	5	2	1	4	2	1	15
M.Phil.	Applied Linguistics	2	1	0	1	0	0	4
M.Phil.	Translation Studies	2	0	0	1	0	0	3
M.Phil.	Comparative Lit.	3	1	1	2	1	0	8
M.Phil.	History	3	1	1	2	1	0	8
M.Phil.	Political Science	4	2	1	4	1	1	13
M.Phil.	Sociology	4	2	1	3	1	1	12
M.Phil.	Anthropology	1	1	0	1	0	0	3
M.Phil.	Regional Studies	2	1	0	1	0	0	4
M.Phil.	Social Exclusion and Inclusive Policy	2	1	0	1	0	0	4
M.Phil.	Economics	4	2	1	4	1	1	13
TOTAL		**47**	**20**	**10**	**37**	**13**	**7**	**134**
PER CENTAGE		35.07	14.93	7.46	27.61	9.70	5.22	

M.Tech Programmes

Prog.	Subject	GE	SC	ST	OBC	EWS	PH	TOTAL
M.Tech.	Computer Science	16	6	4	12	5	2	45
M.Tech.	Artificial Intelligence	11	5	2	8	3	1	30
M.Tech.	Information Technology	11	4	3	8	3	1	30
M.Tech.	Information Security	6	3	1	5	2	1	18
M.Tech.	Bioinformatics	9	3	2	7	2	2	25
M.Tech.	Materials Engineering	6	3	1	5	2	1	18
M.Tech.	Integrated Circuit Technology	6	3	1	5	2	1	18
M.Tech.	Microelectronics & VLSI Design	4	2	1	3	1	1	12
	Microelectronics & VLSI Design (Slow Pace)	2	1	1	2	0	0	6
M.Tech.	Nanoscience and Technology	6	3	1	5	2	1	18
M.Tech.	Manufacturing Sc. & Eng.	6	3	1	5	2	1	18
TOTAL		83	36	18	65	24	12	238
PER CENTAGE		34.87	15.13	7.56	27.31	10.08	5.04	

Int. M.Sc/PhD & Ph.D Programmes

Prog.	Subject	GE	SC	ST	OBC	EWS	PH	TOTAL
Int.M.Sc./Ph.D	Biochemistry & Molecular Biology	2	1	0	2	1	0	6
Int.M.Sc./Ph.D.	Animal Biology and Biotechnology	2	1	0	2	1	0	6
Int. M.Sc/Ph.D	Biotechnology	2	1	0	2	1	0	6
Ph.D.	Mathematics	2	0	1	1	1	0	5
Ph.D.	Applied Maths	2	1	0	1	0	1	5
Ph.D.	Statistics-OR	1	1	0	1	0	0	3
Ph.D.	Computer Science	5	2	1	4	2	1	15
Ph.D.	Physics	6	2	1	4	2	1	16
Ph.D.	Electronics Science	1	0	0	1	0	0	2
Ph.D.	Earth, Ocean & Atmos. Sci.	1	1	0	1	0	0	3
Ph.D.	Chemistry	10	4	2	6	1	1	24
Ph.D.	Biochemistry	6	2	1	4	2	1	16
Ph.D.	Plant Sciences	4	2	1	4	1	1	13
Ph.D.	Microbiology	2	1	0	1	0	0	4
Ph.D.	Animal Biology	5	3	2	5	1	1	17
Ph.D.	Biotechnology	3	1	1	3	1	1	10
Ph.D.	Systems & Comp. Biology	1	0	0	1	0	0	2
Ph.D.	English	2	1	0	1	0	0	4
Ph.D.	Philosophy	2	1	1	2	1	0	7
Ph.D.	Hindi	5	2	1	4	1	1	14
Ph.D.	Telugu	3	2	1	3	1	1	11
Ph.D.	Urdu	3	1	1	2	1	1	9
Ph.D.	Applied Linguistics	3	1	1	2	1	0	8
Ph.D.	Translation Studies	1	0	0	1	0	0	2
Ph.D.	Comparative Lit.	1	1	0	1	1	0	4
Ph.D.	Sanskrit Studies	1	1	0	1	1	0	4
Ph.D.	English Language Studies	1	1	0	1	1	0	4

Ph.D.	History	3	1	1	2	1	0	8
Ph.D.	Political Science	3	1	1	3	1	1	10
Ph.D.	Sociology	3	1	1	3	1	1	10
Ph.D.	Anthropology	1	0	0	0	0	0	1
Ph.D.	Education	2	1	0	1	1	0	5
Ph.D.	Regional Studies	1	0	0	1	0	0	2
Ph.D.	Folk Culture Studies	1	0	0	0	0	0	1
Ph.D.	Social Exclusion & Inclusive Policy	1	0	1	1	0	0	3
Ph.D.	Economics	3	1	1	2	1	0	8
Ph.D.	Dance	1	0	0	1	0	0	2
Ph.D.	Theater Arts	1	1	0	1	1	0	4
Ph.D.	Communication	2	1	0	1	1	0	5
Ph.D.	Management Studies	4	2	1	3	1	1	12
Ph.D.	Health Sciences : Public Health	1	1	0	1	1	0	4
Ph.D.	Biomedical Sci.	1	0	1	1	0	0	3
Ph.D.	Psychology	3	1	1	2	1	1	9
Ph.D.	Cogntive Science	1	1	0	1	0	0	3
Ph.D.	Materials Engineering	4	2	1	3	1	1	12
Ph.D.	Nanoscience and Technology	3	1	1	1	0	0	6
TOTAL		116	49	25	89	33	16	**328**
PER CENTAGE		35.37	14.94	7.62	27.13	10.06	4.88	

Summary

PROGRAMMES	GE	SC	ST	OBC	EWS	PH	Total	PH	DP
Int. PG/PG	704	263	132	476	176		1751	88	88
Ph.D.	116	49	25	89	33	16	328		
M.Tech.	83	36	18	65	24	12	238		
M.Phil.	47	20	10	37	13	7	134		
Total	**950**	**368**	**185**	**667**	**246**	**123**	**2451**	**88**	**88**
PER CENTAGE	38.76	15.01	7.55	27.21	10.04	5.01			

NOTE

1. No PH and DP seats are allotted in M.Sc. Biotechnology (25 seats) as per the guidelines of JNU (CEEB).
2. PH seats in PG courses are Supernumerary seats.Total seats for PH is 88+35=123 out of intake 2451. As per the decision of the Academic Council, wherever the intake is 10 or more one seat will be allotted to PH category and overall 5% seats have been reserved to PH category.
3. In M.Tech., M.Phil. and Ph.D. programmes, the PH seats are not supernumerary. In M.Phil. and Ph.D. courses wherever the intake is 8 or more one seat is reserved for ST. Efforts are made to provide ST representation to all Schools as far as possible looking into the intake.
4. Seats are not reserved for DP category candidates in the M.Tech./ 5 Year Integrated M.Tech. programmes as per the norms of CCMT and CSAB of JEE. Besides, the seats are not reserved in M.Phil., Ph.D. and Int. M.Sc./Ph.D. programmes as there will be no supernumerary seats in these programmes as per UGC Regulations 2016.
5. Any candidate applying under two categories will be shown in both categories on the basis of merit as per rules of reservation. The candidate may decide the category in which he/she wishes to take admission.

6. When there are no eligible candidates from PH/DP categories, these seats should not be converted/ transferred and offered to any other category for Integrated and PG courses as they are Supernumerary seats.

7. The unfilled seats as per the roster will be carried forward for January 2021 session in Ph.D. programmes.

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UNIVERSITY OF HYDERABAD

(A Central University established by an Act of Parliament)

CONTACTS

DEANS OF THE SCHOOLS

Prof. C. Raghavendra Rao
Dean I/c,
School of Mathematics & Statistics
Tel: (040) 23134000, 23010560
E-mail : deansm@uohyd.ernet.in

Prof. V. Seshubai
School of Physics
Tel: (040) 23134300, 23134320
E-mail : deansp@uohyd.ernet.in

Prof. Anunay Samanta
School of Chemistry
Tel: (040) 23010221, 23134800 / 23134855
E-mail : deansc@uohyd.ernet.in

Prof. S. Dayananda
School of Life Sciences
Tel: (040) 23010210, 23134500
E-mail : deansl@uohyd.ernet.in

Prof. S. Saratjyotsna Rani
School of Humanities
Tel: (040) 23010003, 23133300
E-mail : deansh@uohyd.ernet.in

Prof. Arun kumar Patnaik
School of Social Sciences
Tel: (040) 23010853, 23133001
E-mail : deanss@uohyd.ernet.in

Prof. P. Thirumal
Sarojini Naidu School of Arts & Communication
Tel: (040) 23011553, 23135500
E-mail : deansn@uohyd.ernet.in

Prof. P. Jyothi
School of Management Studies
Tel: (040) 23011091, 23135000
E-mail : deanms@uohyd.ernet.in

Prof. P. Prakash Babu
Dean I/c,
School of Medical Sciences
Tel: (040) 23134780
E-mail : deanmd@uohyd.ernet.in

Prof. M. Ghanshyam Krishna
Dean I/c, School of Engineering Sciences & Technology
Tel : (040) 23134451,23134450
E-mail : deansest@uohyd.ernet.in

Prof. Naresh Kumar Sharma
School of Economics
Tel : (040) 23133100, 23133106
deanse@uohyd.ernet.in

Prof. C. Bhagvati
School of Computer and Information Sciences
Tel: (040) 23010780, 23134101
E-mail: deanscis@uohyd.ernet.in

ADMINISTRATION

Registrar
Sri P. Sardar Singh
Tel: (040) 23010245, 23132100
Email: registrar@uohyd.ernet.in

Controller of Examinations
Sri Devesh Nigam
Tel: (040) 23010248, 23132101
Email: ce@uohyd.ernet.in

Finance Officer I/c
Dr I. Lokanandha Reddy
Tel: (040) 23010370, 23132200
Email: fo@uohyd.ernet.in

ACADEMIC AND SUPPORT SERVICES

Dean, Students Welfare:
Prof. R.S. Sarraju
Tel: (040) 23134584, 23013336
E-mail: dsw-office@uohyd.ernet.in

Chief Medical Officer I/c:
Dr. Anupama Row
Tel: (040) 23010206, 23132402

Sri Ashish Jacob Thomas
Tel: (040) 23010207, 23132110
E-mail: pro@uohyd.ernet.in
Public Relations Officer & Placement Officer I/c

Chief Proctor
Prof. Samar Kumar Das
Tel: (040) 23134853, 23010536
E-mail : skdas@uohyd.ac.in

Director
UGC Human Resource Centre
Prof. Y. Narasimhulu
Tel: (040) 23010834, 23132713
E-mail: ugchrdcuh1@gmail.com,

Chief Warden:
Prof. Vineet C.P. Nair
Tel: (040) 23132506, 23133124
E-mail: cw@uohyd.ernet.in

University Engineer:
Dr Kishore Kumar
Tel: (040) 23010208, 23132300
E-mail: ue@uohyd.ernet.in

Librarian:
Dr. N. Varadarajan
Tel: (040) 23132600
E-mail: librarian@uohyd.ernet.in

Director, International Affiars:
Prof. N. Sivakumar
Tel : (040) 23134041
Email:
international@uohyd.ernet.in

Director:
Centre for Distance and Virtual Learning
Prof. S. Jeelani
Tel: (040) 24600264, 24600265
E-mail: cdvl.uoh@gmail.com

Principal Scientific Officer (CIL):
Dr. Syed Maqbool Ahmed
Tel: (040) 23132662, 23010234
E-mail: smacil@uohyd.ernet.in

Asst. Director, Sports Centre:
Dr. K. V. Rajasekhar
Tel: (040) 23132440, 23132441
Email: kvrscpf@uohyd.ernet.in