

1. Categories of Ph.Ds offered

The University offers Ph.D (minimum duration is 3 years) programmes in the following categories of disciplines

- Mathematics / Physical Sciences / English
 - Ph.D (Full time / External Registration)
- Engineering
 - Ph.D (Full time / External Registration)
- Management
 - Ph.D (Full time / External Registration)
- Pharmacy
 - Ph.D (Full time / External Registration)
- Bio-Technology / Computer science/ Spatial Information Technology
 - Ph. D (Full time / External Registration)

2. Available disciplines

The University offers Ph.D (Full time / External Registration) in the following disciplines

- a) Chemistry
- b) Physics
- c) Mathematics
- d) English
- e) Commerce
- f) Economics
- g) Civil Engineering
- h) Electrical and Electronics Engineering
- i) Electronics and Communication Engineering
- j) Mechanical Engineering
- k) Metallurgy
- l) Computer Science and Engineering
- m) Management
- n) Pharmacy
- o) Library sciences

Inter disciplinary / Multi-disciplinary

- p) Computer science
- q) Bio-Technology
- r) Spatial Information Technology

3. Eligibility criteria for the candidates to apply for the Ph.D Programme

- i. Candidates applying for Ph.D should have Post Graduate (PG) qualification in the concerned disciplines from any UGC recognized State / Central / Private University / Premier National Institutes, with 60% marks for categories of OC and OBC candidates, 55% marks for SC and ST candidates. Relaxation of 5% marks, is given for English, Arts and Commerce disciplines for all the above mentioned categories.
- ii. Candidates applying for Ph.D research programme under external registration should have minimum of two years experience in Educational Institutions / R & D organizations / Industries. Full time Research Scholars may be admitted without experience.
- iii. Limited fellowships for full time Research Scholars for Ph.D programme may be available in some specific areas. Candidates who have obtained JRF, SRF or other fellowships from organizations like UGC, CSIR, and AICTE, etc., will be given priority for selection as Full time Research Scholars. (without University fellowship)
- iv. Candidates applying for Ph.D in Computer Science and Engineering should have PG qualification in Engineering.
- v. Candidates having Post Graduate / M. Phil qualification in Physics, Electronics, Mathematics, Computer Science and Computer Applications disciplines, are eligible for Ph.D in Computer Science.
- vi. Candidates applying for Ph.D programme in Library sciences should possess Post Graduation in Library sciences.
- vii. The eligibility for Ph.D. programme in Inter / Multi disciplinary areas

- a. Computer Science: Post Graduation / M. Phil degree in Physics, Electronics, Mathematics, Computer science and Master degree in Computer Applications
 - b. Spatial Information Technology: Post Graduation degree in Spatial Information Technology / Mathematics / Physics / Chemistry / Geology / Geography / Engineering / Agriculture / Atmospheric sciences / Space sciences / remote sensing
 - c. Bio-Technology: The candidates should have a First Class Post Graduate Degree in Biotechnology / Food Technology / Bio-Chemical Engineering / Bio-Chemistry / Microbiology / Life sciences (Zoology, Botany, Genetics, Agricultural sciences) / Pharmacy / Environmental science and Technology.
- viii. Candidates applying for inter / multi disciplinary research work should hold the first degree (Bachelor degree) in the relevant area. However, he / she may have either Supervisor or Co-supervisor having Ph.D from inter disciplinary area of research.

4. Eligibility criteria for Supervisor/Co-Supervisor

- a. All regular Faculty members / Scientists working in any UGC recognized State / Central Universities or R & D organizations or JNTUK recognized private R & D organizations or Research Centers recognized by the University are eligible to guide provided they enroll with the University as Supervisor / Co-Supervisor.
- b. If the Supervisor / Co-Supervisor is from any affiliated institute / Private organization, then Co-Supervisor / Supervisor is mandatory from JNTU Kakinada Constituent units, State / Central Universities recognized by UGC, premier National Institutes like IITs / NITs and Government R&D organizations.
- c. The faculty members working in the departments of affiliated institutions, which are identified as research centers by JNTUK University, Kakinada may supervise the candidate as sole supervisor, and there is no need for co-supervisor.
- d. In addition to the above to act as Supervisor / Co-Supervisor
 - i. Faculty member / Scientist should have Ph.D qualification from State University/Central University/IITs'/IIMs/NITs/IISc or any other UGC recognized private University.
 - ii. Faculty member / Scientist should have research experience of minimum one year duration after completion of Ph.D.

- iii. Faculty member / Scientist should have at least three National and International Journal publications with impact factor and at least one out of them should be after acquiring Ph.D.
- iv. Faculty member / Scientist should not guide for more than 12 Ph.D candidates as main supervisor.
- v. Faculty member may also act as a Supervisor / Co-Supervisor for the interdisciplinary research provided his basic degree is from any of the interdisciplinary areas.
- vi. Faculty member having Ph.D with the same specialization, from any State / Central Universities / IITs' / IIMs' / NITs /IISc or any other UGC recognized private University will be considered.
- vii. Not more than three Ph.D scholars should be registered with a Supervisor per year.
- viii. Supervisor / Co-supervisors supervising in the research in inter / multi disciplinary area should have the Ph.D in the respective area.

5. Application format

Candidates applying for the Ph.D. programme are required to submit their application in the prescribed format. University may issue the notification in leading newspapers and also on the official website www.jntuk.edu.in.

6. Admission procedure

Admissions will be made by the Directorate of Admissions and the selection will be intimated to the candidates. The following are the guidelines for admissions in to Ph.D programme

- a) Candidates shall be admitted in the Ph.D programme based on their merit in both written test and interview.
- b) The University conducts the written test in a prescribed syllabi. The syllabi will be notified on the website www.jntuk.edu.in along with notification.
- c) Candidates who have qualified in the UGC/CSIR/NET/SLET examinations are exempted from appearing the written test. However, they have to attend the interview.
- d) Candidates having M. Phil. Degree are exempted from appearing the written test and have to attend the interview directly. However candidates with M.Phil. degree (Distance mode) have to attend both written test and interview.
- e) The minimum qualifying marks in the written test are 45% for OC and OBC and 35% for SC and ST candidates.

- f) Candidates who have qualified in the written test have to appear for interview before the selection board constituted by the University.
- g) Foreign National students seeking admission for Ph.D programme (full time) may be admitted based on the merit in interview. The rules for admission may have to be followed as per the Indian Government policy. Candidate has to stay minimum three years on campus.
- h) Persons of Indian origin / NRIs seeking admission for Ph.D programme (External registration) may be admitted based on their merit in interview. One of the Supervisors should be from JNTU Kakinada. Residential requirement, course work and Pre-Ph.D requirements are mandatory.
- i) Candidates seeking admission under external registration should produce No Objection Certificate (NOC) from the present employer and the employer should permit the candidate to avail the leave for atleast six months to complete the residential requirement to attend the assigned subjects, for course work / pre - Ph.D / Thesis compilation etc.
- i) During the research period, the candidate shall not register for any other course, at any other University or Institution, leading to the award of any other degree / diploma. In case of any such contingency, the candidate shall forfeit the admission.

7. Course work, Pre-Ph.D, and Residential Requirements

Candidates admitted in Ph.D (External registration) should complete the Residential, course work, and Pre-Ph.D requirements as follows.

Residential Requirement for External scholars

- Candidate should have minimum of six months residential requirement to enable the candidate to interact for the research work with Supervisor / Co-Supervisor. Supervisor and Co-Supervisor should issue the completion of residential requirement certificate accordingly before the submission of the thesis. The period of stay for attending the audit courses and credit course should be treated as residential requirement.

Course work requirements

- a) Candidate should attend the two audit courses, viz., “Research Methodology” and “Intellectual Property rights and Patents” in the month of May every year. Minimum 75% attendance is mandatory. Internal assessment by concerned

teacher should be categorized as either Satisfactory / Not –Satisfactory. If the assessment is not satisfactory, the candidate has to attend the course during next academic year.

- b) In addition, one credit course in their discipline needs to be completed along with PG programme students offered by any state Universities. The period of stay may be considered as Residential requirement of the University.

Subjects of Pre-Ph.D requirements

- a) Chairman of Board of studies in consultation with BOS members of the concerned discipline should list out the subjects and syllabi for different specializations in the concerned discipline, apriori and they should be made available to candidate and Supervisor for the selection.
- b) Supervisor/Co-Supervisor should recommend minimum two subjects (in addition to the audit and credit courses) and syllabi to the candidates from the available subjects. Candidate has to register to these subjects as per the University notification for Pre-Ph.D. Candidate has to pass these subjects with minimum of 50% marks. In case, the candidate fails to pass in three attempts his/her admission shall be cancelled.
- c) Director of Evaluation shall issue the notification once in six months for pre-Ph.D examinations and conduct the examination. Answer scripts will be evaluated by two Examiners and the average of the two evaluations has to be considered as subject performance. Results may be kept available at the Director (R&D) office.
- d) Candidate should retain all the necessary documents related to the completion of residential requirement, course work, and subjects of Pre-Ph.D requirements and submit them to the Directorate of R & D, whenever acquired.

8. Duration of Ph.D programme and Extension of time

The minimum duration of Ph.D (Full time / External registration) is 3 years. However, candidates may be permitted to continue the work and submit the thesis before 6 years. Further, extension may be permitted by the Vice-Chancellor, based on the merit of the case and discretion of the Vice-Chancellor.

- Candidate should submit the progress of the work along with the application for the extension of time, in the prescribed format given in **Annexure – 4**, at least three months before the completion of six years.
- Candidate should complete the Residential work, Course work, and pre-Ph.D subjects, before the stipulated period (6 years) for the Ph.D programme
- Necessary recommendation from the Supervisor and Co-Supervisor
- Candidate should have paid the fee without any arrears and attended minimum of two RRC meetings during the 6 years.

9. Fee particulars

On selection for admission, candidates shall be required to pay the prescribed fee as per the prescribed criteria.

- a) Fee has to be paid on or before 31st July, in every academic year, subsequent to admission, till the successful completion of the programme and submission of thesis or cancellation of the admission as the case may be.
 - b) If the fee is not paid by the stipulated date, late fee of Rs.2000/- is levied (within six months from due date), Rs. 4000/- is levied (within one year from due date).
 - c) Foreign students may have to pay US \$200 (or its equivalent in Indian rupees) as late fee (within six months from due date), US\$ 400 (or its equivalent in Indian rupees) as late fee (within one year due date). Thereafter, the admission of the candidate is liable to be cancelled, without any prior intimation.
- d) Fee details for research programmes**
- Fee of Rs.30,000/- per annum.**
- US \$ 4,000 (or its equivalent in Indian rupees) per annum (Foreign students of any country)**
- e) **All Internal regular faculty members, registered as external scholars fee of Rs.5,000/- per annum.** However, the fine for late payment by the internal registered faculty will be same as other scholars. Other rules for internal registered faculty, viz., not registering in time etc., will be same as other scholars.
 - f) Mode of fee payment is by crossed demand draft in favour of the “The Registrar, JNTUK Kakinada’ payable at Kakinada drawn on any Nationalized Bank. A candidate must write

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his name, roll number and complete address (Mobile No. and E-mail address) on the back of the demand draft.

- g) Candidate must preserve all fee receipts and Xerox copies of the demand drafts and produce them as and when required.
- h) Candidate has to pay double the fee during the extended period, beyond 6 years, if candidate is permitted for extension of time.
- i) If any reason, a candidate takes his / her original certificates temporarily from the University, candidate has to submit the requisition application with recommendation from the Supervisor mentioning the date before which the certificates will be returned to the office. If he/she does not return before the mentioned date, the candidate may have to forfeit the admission.
- j) In the event of cancellation of Ph.D registration by the candidate on his/her request or by University for any reason, the entire fee amount due till the date of cancellation, must be paid by the candidate for the return of original certificates.