

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA, AP
KAKINADA - 533003**

NOTIFICATION

ADMISSION TO Ph.D (Full Time/Part Time/Extra- Mural) - RESEARCH PROGRAMME - 2010

Advt. No. JNTU/ Ph.D./Admns/2009 Dt. 21-12-2009

Applications are invited for admissions to Ph.D.(**Full Time/Part Time/Extra-Mural**) research programmes in major areas of Engineering, Sciences, and Management at JNT University Kakinada.

Areas of Research & Eligibility: The details of Areas of Research and eligibility are available on JNTU website. www.jntukakinada.edu.in.

Application form and other details can be downloaded from JNTU Kakinada web site www.jntukakinada.edu.in . Filled in application form with required certificates and a crossed Demand Draft for Rs.1,000/- in favour of “**The Registrar, JNTU Kakinada**” payable at Kakinada dated not earlier than 21.12.2009 drawn on any Nationalised Bank should reach “ The In-Charge Academics, JNTU Kakinada Kakinada-533 003 on or before 25th **January 2010** by **4.00 pm**.

Sd/-

Registrar

Last Date for Receipt of Applications

25-01-2010 by 4 pm

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KAKINADA, AP**

KAKINADA – 533 003, A.P. APPLICATION FORM FOR

ADMISSION TO

Ph.D (Full Time/Part Time/Extra mural) -PROGRAMME – 2010

Details of Demand Draft for Rs.1,000/- (in favour of Registrar, J.N.T.University Kakinada) payable at Kakinada.

D.D.No.	Date	Bank	Amount
			Rs.

Faculty (Dept.) for which admission is sought:

1. Name (In block letters) : _____

2. Father's/Husband's Name _____

3. Address : _____

Phone / Mobile No: _____

Email ID : _____

4. Date of Birth :

Date	Month	Year

5. Category :

OC	BC-A	BC-B	BC-C	BC-D	BC-E	SC	ST

(please put a [✓] mark in the appropriate box)

Affix latest Passport
Size photograph
attested by Gazetted
Officer or Employer
with his seal

6. Educational Qualifications:

Examination	Subject	College/School where studied	University / Board	Year of passing with Division	Aggregate Percentage

7. **Details of employment:** (Particulars of employment(s) from date of passing prescribed qualifying Examination till last date of application shall be provided. Enclose Certificates).

Name of Employer / Organization	Designation	Duration of Employment		Salary	Nature of duties
		From	To		

8. Faculty in which Admission is sought : _____
(Name of the faculty)

9. **Specific Area of Research** : _____

10. **Title of Research work** : _____
(Enclose a detailed plan of the proposed research work on a separate sheet of paper)

11. **Name & Designation of the Supervisor 1** : _____
(Please enclose Bio-data of the Research Supervisor indicating Qualifications, Publications & Research experience and the attested copies of the PG/Ph.D. degree certificates)

12. **Name & Designation of the Supervisor 2,** : _____
in case of necessity (Please enclose Bio-data of the Research Supervisor indicating Qualifications, Publications & Research experience and the attested copies of the PG / Ph.D. degree certificates)

13. **Facilities available at the place of work** : _____
(Please attach a separate sheet of paper attested by the relevant authority)

14. **Declaration by the Candidate:** I shall abide by the Academic Regulations of the JNT University Kakinada . The particulars furnished above are correct and complete.

Date:

Place:

SIGNATURE OF CANDIDATE

15. Concurrence of the proposed Supervisor 1 / Supervisor 2 :

SUPERVISOR 1 :

I agree to supervise the proposed Ph.D work of Mr/Ms

I certify that I am not having more than **12** Ph.D. candidates as main guide.

SIGNATUR

E:

NAME:

DESIGNATION:

SEAL:

Date :

Place:

SUPERVISOR 2 : (In case of necessity)

I agree to supervise the proposed Ph.D work of Mr/Ms

SIGNATURE

NAME:

DESIGNATION:

SEAL:

Date :

Place:

15. **“No Objection Certificate”**

(To be issued by the Head of the Organisation of Place of work of the candidate)

Mr / Ms will be permitted to pursue the proposed Research work for the Ph.D. Degree of the JNT University Kakinada by making use of the available facilities in our organization mentioned at col. (12). The Supervisor(s) shall be permitted to visit the organization periodically to monitor and assess the work of the candidate.

Date :

Place :

SIGNATURE & DESIGNATION
WITH SEAL OF OFFICE

Note : 1. Incomplete application will summarily be rejected.

2. Fee once paid will not be refunded.

3. No scholarship/stipend for all theses programs.

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA, A.P.
KAKINADA 533 003**

Information for admission to Ph.D Programme - 2010

Admissions will be made to Ph.D. Research Programmes offered by the J.N.T. University Kakinada

CIVIL ENGINEERING:

Environmental Engineering, Air Pollution and waste water treatment, Static and Dynamic Analysis of structures, bridges buildings using FEM, Pile foundations, dynamic behavior of soils and geo-environmental Engineering, Transportation Engg., Traffic Analysis, Special concrete, structural Engineering, Rehabilitation of structures, Expansive Soils, Pavements. Earth Quake Analysis – Soil structure interaction, Modeling & Reclamation. Hydraulics. Ground Water exploration, Water Resources Management, Water Harvesting and allied fields.

MECHANICAL ENGINEERING:

I.C. Engines, Heat transfer, Thermodynamics Analysis of cycles, Fuels, Turbo machinery, CAD/CAM, Geometric modeling, Manufacturing, Optimization, Metal Cutting, Machine design and Industrial Engineering. Smart composites. High temperature materials, Powder metallurgy, Composites, Metal Forming, Metal Casting, Discrete Element Metals and allied fields.

ELECTRONICS AND COMMUNICATION ENGINEERING:

Digital signal processing, VLSI, Computers Networks, digital circuits, Neural Networks, Micro Electronics, Image processing, Low Power design, Fault tolerance, Communications, Microwave Antennas, EMI/EMC, Computer Vision, Pattern Recognition, Instrumentation and allied fields.

ELECTRICAL AND ELECTRONICS ENGINEERING :

Power Electronics, Drives and Power systems, FACTS, Intelligent Systems, Control Systems, High Voltage Engineering, Instrumentation and allied fields. Conventional, Non-conventional energy systems and allied fields.

COMPUTER SCIENCE ENGINEERING :

Data warehousing and mining, Computers Networks, Software Engineering, Image Processing, Speech recognition, mobile computing, artificial intelligence and allied fields.

CHEMICAL ENGINEERING :

Membrane separation processes, modeling and optimization. Process bio-technology and environment biotechnology. Bio-chemical engineering and allied fields.

ENVIRONMENTAL SCIENCES :

Diversity of An-oxygenic Phototropic Bacteria, Bacterial Metabolism of Sulphonated Aeromatic Compounds Characterization and waste treatment, Hydrogen Production. Atmospheric sciences, zero pollution studies and allied fields.

PHYSICS :

Fiber Optics & Sensors, Nuclear Radiation Physics, Bio-Physics, Solid State Physics, Material Science, Thin film Technology, Plasma Physics, Space Physics, High Voltage Engineering, Particles and Fields, Condensed matter Physics, Liquid Crystalline Phase Transitions, Ferro Electric and Anti-Ferro Electric liquid crystals, Switching times and Viscosity, Molecular Spectroscopy and allied fields.

MATHEMATICS :

Number Theory, Operations Research, Applied Statistics. Non linear dynamical systems, Mathematical modeling, neural networks, data and knowledge extraction and allied fields.

MANAGEMENT STUDIES, HUMANITIES AND SOCIAL SCIENCES :

Management Studies, Accounting, Urban Economics, Human Resource management, Indian Writing in English, Language Communication Skills, English Language Teaching, English for Specific Purposes and allied fields.

I. Educational Qualifications: For Ph.D.

- (i). Candidates must have a Post Graduate Degree in concerned discipline with a minimum of 50 percent marks in aggregate.

For Ph.D. programme in Management Science, candidates possessing MBA are eligible. The candidates possessing Post Graduate qualification in any other subject with 5 years of experience in managerial capacity are also eligible

I. EMPLOYMENT:

Candidates who are working in a well equipped Educational / Scientific / R&D Cell / /Industrial/Governmental Organizations and in Colleges affiliated to the Universities and engaged in Scientific/Technological/ Engineering/ Managerial activities, as the case may be, are eligible for admission as external candidates and shall continue to work in their own organizations. Faculty members of the J.N.T.University Kakinada and its constituent colleges shall be admitted as internal candidates.

Candidates working in colleges affiliated to the universities are eligible, provided

- (i) The place of research work is either the institution in which they are working or the constituent college/unit of the university, where necessary facilities are available.
- (ii) The Research Supervisor is either from JNT University Kakinada or from any recognized institution /organization.

II. SUPERVISOR:

1. Candidates for admission must identify and obtain the consent of Supervisor(s), possessing the necessary qualifications for supervising.
2. Professors, Associate Professors and Assistant Professors of JNT University Kakinada who possess, a Ph.D. degree, a minimum of five years of academic/research experience and atleast three research publications to their credit, will be deemed as Internal Supervisors.
3. Persons working in Educational / Scientific / Industrial / Governmental organizations, who possess a Ph.D. degree, a minimum of five years of academic/research experience and at least three research publications to their credit, will be deemed as external supervisors.
4. Candidates may have Internal and/ or External Supervisors.
5. In the case of interdisciplinary areas of research, a co-supervisor may also be permitted in addition to the supervisor, provided the supervisor and co-supervisor are from different disciplines.
6. Candidate must enclose bio-data of the proposed supervisor(s) and evidence to show that he/she satisfies the qualifications laid down. They must enclose attested copies of the degree certificates of the supervisor(s).

III. PLAN OF RESEARCH WORK:

Candidates must submit, along with their application form, a well conceived plan of research work, with evidence of having initiated a preliminary study (at least 500 words).

IV. PLACE OF RESEARCH WORK AND FACILITIES AVAILABLE:

In the case of external candidates, working in their organizations, details regarding the availability of the required research facilities at the place of work must be given. The place of work must be recognized by the University before the application for admission is considered.

External candidates working in their own organizations must produce, from the Head of the Organization, a Certificate of "No Objection" for the candidate to take up the Research work, and permission for the supervisor from the university to visit the organization periodically to monitor and assess the work of the candidate.

V. MODE OF SELECTION: Based on interview.

The date and time of the interview will be intimated to the eligible candidates and details will be displayed in JNTU Kakinada website www.jntukakinada.edu.in. The candidates have to attend the interview conducted by the University at KAKINADA at their own cost.

VI.

The University reserves the right to cancel admission / registration of any candidate to the research programme at any stage if it is noticed that the data furnished / certificates enclosed are incorrect.

In case of any disputes concerning admissions to the courses of JNT University KAKINADA, the jurisdiction shall remain with the Courts in KAKINADA only.

The selection for admission, candidates shall be required to pay the prescribed admission fee of **Rs.1,000/-** and the Registration fee of **Rs.10,000/-** per semester. Thereafter the fee has to be paid every semester till the successful completion of the program and submission of thesis or cancellation of the admission whichever the case may be.

NON-PAYMENT OF THE PRESCRIBED FEE IN TIME MAY LEAD TO THE CANCELLATION OF ADMISSION. (31st July for spring semester and 31st January for Autumn semester)

The candidates have to pass the Pre-Research Degree examination in two subjects specified by the University. After passing the Pre- Research Degree examination and completion of three years from the date of admission, the candidates may submit their synopsis and thesis. If the thesis is not submitted within a period of six years from the date of admission, the admission shall stand cancelled.

IX. GENERAL:

Application complete in all respects (in A4 size) accompanied with a Demand Draft for **Rs. 1,000/-** drawn in favour of "**THE REGISTRAR, JNTU KAKINADA**" payable at KAKINADA on any nationalized bank as Application Registration fee and three self addressed stamped envelopes of size 22 x 10 cms. (affixing Rs.5.00 stamps), is to be submitted to "**The In-charge Academics, JNT University Kakinada - 533 003**" either in person or by Registered post /Courier on or before **25-01-2010 by 4.00 pm.**

The University is not responsible for delay or loss of application in transit.

Incomplete applications or applications received after the last date will not be considered and fee paid will not be refunded.

REGISTRAR