

NEWSLETTER

2022-23



Research and Development Cell
Jawaharlal Nehru Technological University Hyderabad
Kukatpally, Hyderabad – 500 085, T.S.



Dr. K. Vijaya Kumar Reddy
Professor of ME &
Director, R & D Cell, JNTUH

As the Director of Research and Development Cell, I am privileged to work under the leadership of Hon'ble Vice-Chancellor, Prof. K. Narasimha Reddy committed personality who is dedicated to achieving the Vision and Mission of JNTUH. The Directorate of Research and Development Cell is responsible for overseeing a wide range of functions research activities, from strategic planning, research policy, implementation and evaluation. We work closely with our stakeholders to ensure that our research policy and services are aligned with their needs and priorities. One of our top priorities is to foster a culture of excellence and continuous improvement within our stakeholders. We believe that by encouraging innovation, collaboration, and learning, we can achieve greater impact and better outcomes. We value the contributions of every member of R & D Cell team and are committed to creating a supportive and inclusive work environment where everyone feels valued and respected.

As Director, I am committed to providing leadership and support to our team. I believe in leading by example and in empowering our staff to take ownership of their work and to development of R & D Cell. In conclusion, I am proud to be a part of this Directorate, and I am confident that together, we can achieve our goals and make a positive impact on society.

About R & D Cell:

Jawaharlal Nehru Technological University Hyderabad (JNTUH) is focusing on research programmes on need-based technology and solutions for societal problems. Accordingly, an independent Research and Development Cell was established in the year 2005 to promote and monitor the research programmes offered in the University. The R & D Cell administers Ph.D. programme in external and full- time modes.

Research and Development Cell coordinates with the Directorate of Admissions for selection and admission of research scholars, and interacts with Director of Evaluation for evaluation of Thesis. Further, R&D Cell interacts with the Constituent Units of University for academic activities of research and with Directorate of University Foreign Relations (DUFR) for the admission of foreign national students. R&D Cell conducts Research Review Meetings (RRMs) once in every six months to evaluate and monitor the research work progress of the scholars. R&D Cell conducts viva-voce examinations for the award of the Ph.D. degree in the Faculties of Engineering, Science & Technology, Pharmacy, Management, Humanities and Social Sciences.

VISION

- To provide a sturdy platform to amplify value and versatile research aligned with the provisions of NEP-2020.

MISSION

- To create healthy environment for enhanced research potency.
- To promote synergetic research.
- To support startup and entrepreneurship ventures through Centre for Innovation and Incubation.

AIM OF RESEARCH POLICY:

Research in JNTUH is originated for search of excellence and accuracy of end results. Therefore research policy provides guidelines on good and ethical practices in the conduct of research to achieve highest standards. The Research policy look ahead to creation of conducive research environment by creating focused research groups on par with international standards. This policy also focuses on utilizing the outcome of the research for benefit of society. JNTUH aims at promotion of research culture in accordance with the academic standards, legal framework, good governance and ethical practices. This policy looks upon to support research work with high standards and provide a strategy on how to achieve research goals.

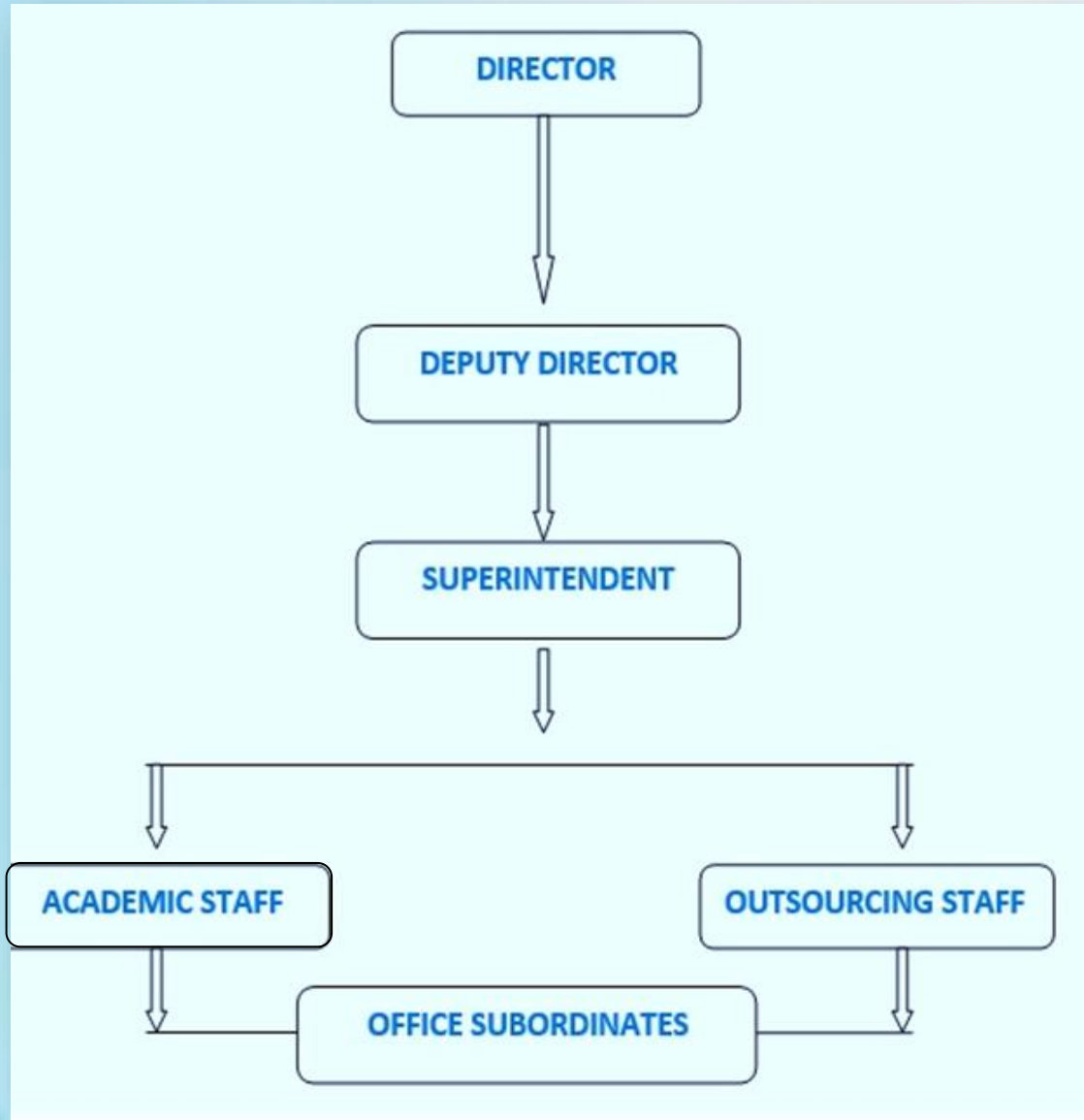
RESEARCH STRATEGY:

- To identify thrust areas, funding agencies, guiding and advising the University to go forward in research front.
- To guide the Departments to do research in thrust areas as identified by national and international research organizations.
- To identify gap areas in industry and to create the awareness for the sponsored and industrial research.
- To work as a bridge between University and Industry with special reference to attract the projects so as to generate internal revenue and to convert technical knowledge into operational mode with industry interface.
- To work on any other research related activities as directed by the University.
- Promote scholarship/ fellowship schemes for researchers.
- In line with the National Educational Policy (NEP-2022) of achieving self-reliance in technology front.
- To monitor and evaluate the progress of various Research Centers under the administrative control of the University.

OBJECTIVES:

- To promote and facilitate collaborative and/or interdisciplinary research and enhancement of research networking capacity and infrastructure under the umbrella of Jawaharlal Nehru Technological University Hyderabad in Telangana State.
- To focus an utilization of resources and to gain research support for its stakeholders.
- To contribute to the University's strategic educational and research missions and to support synergies between researches, teaching and learning and consultancy services.
- To promote and support high quality research in the area of Engineering, Science and Technology.
- To create research culture with ethical concern.
- To initiate anti- plagiarism policy to carry out of fair research.
- To frame guidelines smooth conduction of research work.
- To integrate industry oriented research facilities for academic community.
- To clarify roles and functions of various committees, Director / Principal / Head / Chairperson, BOS / DRC of the Department / Research Guide / Scholars in order to facilitate researcher to understand the university research system and smoothly undertake research activities.

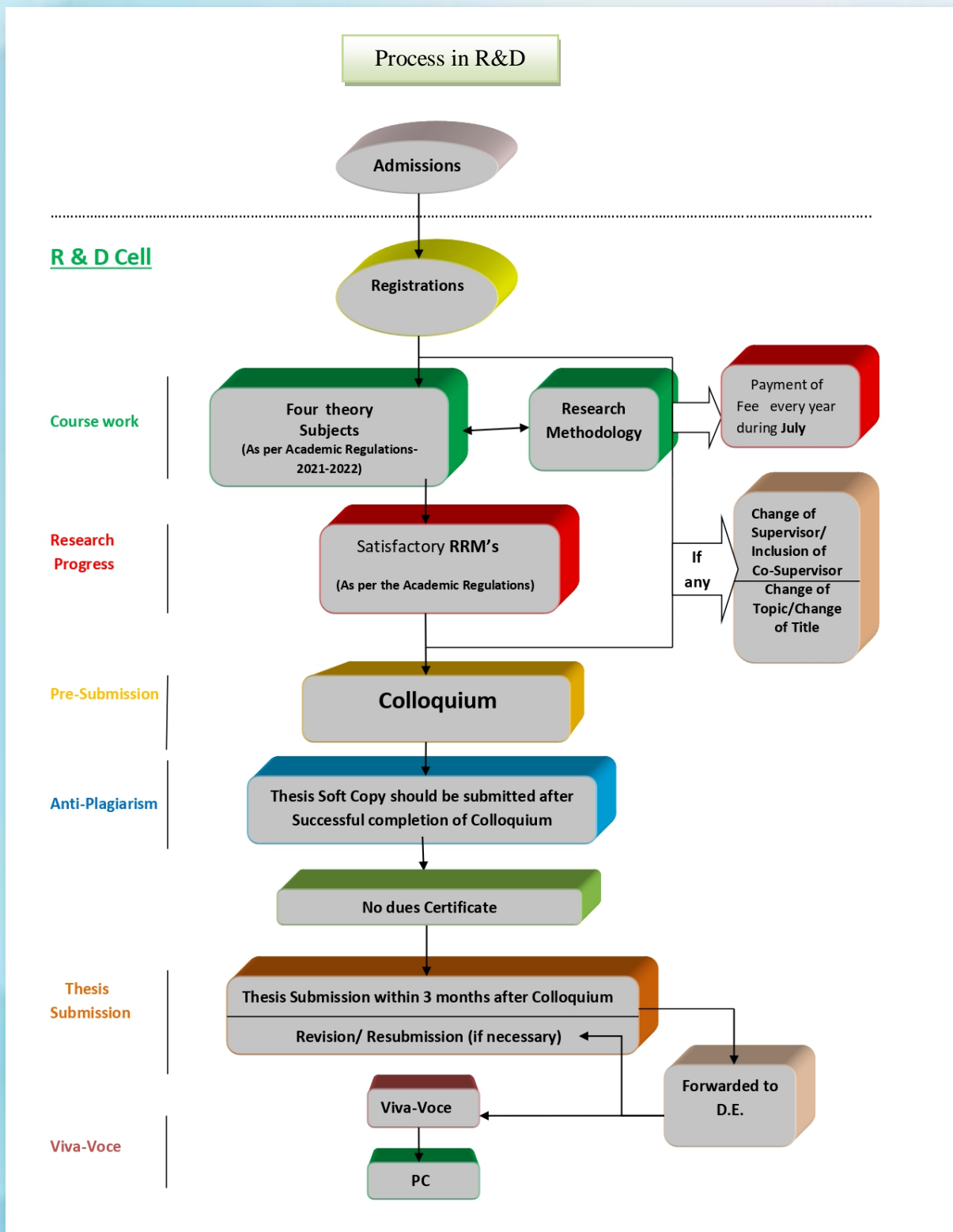
Organizing Structure of Research and Development Cell



Staff members of R & D Cell

S.No.	Staff Name	Designation
1	Dr. K. VIJAYA KUMAR REDDY	DIRECTOR
2	Dr. T. SREEKANTH	DEPUTY DIRECTOR
3	SRI. U. RAVINDER RAO	SUPERINTENDENT
4	SRI. D. SIVA SHANKAR	SUPERINTENDENT
5	A. KANISHKA KUMAR	ACADEMIC ASSISTANT
6	M. HARISH KUMAR	ACADEMIC ASSISTANT
8	CH. HEMALATHA	DATA PROCESSING OFFICER
9	P. MALLIKARJUN	DATA PROCESSING OFFICER
10	B. A. N. MANIDHAR	DATA PROCESSING OFFICER
11	P. SRI KALA	TECHNICAL ASSISTANT
12	T. SHASHIDHAR REDDY	JUNIOR ASSISTANT
13	C. SANGEETHA	JUNIOR ASSISTANT
14	P. SIDDHA LAKSHMI	RECORD ASST.
15	P. KALAVATHI	OFFICE SUB-ORDINATE
16	A. DEVENDER	OFFICE SUB-ORDINATE
17	A. KAVITHA	OFFICE SUB-ORDINATE
18	P. NAGARAJU	DRIVER-CUM-ATTENDER

Research Scholar Flow chart from Registration to Award of Ph.D.



Activities in the Academic Year 2022-23

S.No.	Month	No. of Scholars Attended for Colloquium	No. of Scholars submitted for Anti-Plagiarism Check	No. of Scholars submitted Thesis	No. of Scholars Registered for RRM	No. of Scholars Present for RRM	No. of Scholars Attended for RM
1	JUNE'2022	37	25	26	157	151	183
2	JULY	48	93	59			
3	AUGUST	6	2	34			
4	SEPTEMBER	9	6	5			
5	OCTOBER	10	10	8			
6	NOVEMBER	32	21	10			
7	DECEMBER	95	196	123	144	137	
8	JANUARY	7	2	14			
9	FEBRUARY	2	2	3			
10	MARCH	5	2	3			
11	APRIL	7	3	2			
12	MAY'2023	3	6	7			
		261	368	294	301	288	



**Research Methodology
Course Work - 2022**

DIRECTORATE OF RESEARCH AND DEVELOPMENT, JNTUH, HYDERABAD**FACULTY: ENGINEERING & SCIENCE STREAM****COURSE: RESEARCH METHODOLOGY****SCHEDULE FROM 15-10-2022 TO 20-10-2022**

Date	Time	Topic	Faculty Member
DAY-1 15-10-2022	9:00-10:00 AM	Ph.D. Scholars Registration	
	10:00-11:30AM	Innovations, Research Challenges & Opportunities	Dr.M.Sunitha Reddy, Assoc. Professor of Pharmaceutical Sciences, JNTUH
	11:30-11:45AM	Tea Break	
	11:45AM-1:15PM	Understanding the Research Methodology with a Case Study	Dr. T. Jagan Mohan Rao, Assistant Professor & HOD Dept. of Biotechnology, NIT Andhra Pradesh
	1:15PM-2:15PM	Lunch Break	
	2:15PM-3:45PM	Technical Paper Writing & Selecting Quality Journals for Publication	Dr.I.Ravi Prakash Reddy, Professor of IT Department, GNITS
DAY-2 16-10-2022	10:00-11:30AM	Formulation & Testing of Hypothesis	Dr. B. Rajasekhar, Professor, School of Management Studies, HCU
	11:30-11:45AM	Tea Break	
	11:45AM-1:15PM	How to Write Technical Papers	Dr.RakeshwarBandichhor, Dr. Reddy's Laboratories Limited, Vice President and Head of Chemistry API-PR&D, Hyderabad
	1:15PM-2:15PM	Lunch Break	
	2:15PM-3:45PM	Sources for Research Area Identification	Dr.M. Manzoor Hussain, Professor of MechanicalEngg. & Registrar, JNTUH
DAY-3 17-10-2022	10:00-11:30AM	Research Methodology And Funding	Dr.G.Prasad, Emeritus Professor of Phyiscs, JNTUH, Kukatpally, Hyderabad – 085.
	11:30-11:45AM	Tea Break	
	11:45AM-1:15PM	Criteria for a Qualitative Research	Dr.Parvathi, Professor of Humanities and Social Sciences
	1:15PM-2:15PM	Lunch Break	
	2:15PM-3:45PM	Research Methodologies Defining A Problem	Dr.B.Vishnu Vardhan, Professor of CSE & Vice-Principal, JNTUCEM

DAY-4 18-10-2022	10:00- 11:30AM	Expectations on Research Outcome	Dr.L.Prathap Reddy, Professor of ECE, JNTUCEH
	11:30- 11:45AM	Tea Break	
	11:45AM- 1:15PM	Research Methodology & Life Skills	Dr.G. Tulasi Ram Das (Retd.), Emeritus Professor of Electrical & Electronics Engg., JNTUCEH
	1:15PM- 2:15PM	Lunch Break	
	2:15PM- 3:45PM	Art of Doing Research & Literature Review	Dr. A. Govardhan, Professor of Computer Sci. & Engg. & Rector, JNTUH
DAY-5 19-10-2022	10:00- 11:30AM	Innovation and Research Outreach	Dr. Ramesh Loganathan, Professor Co- Innovation and Research /Innovation Outreach Head, IIIT Hyderabad
	11:30- 11:45AM	Tea Break	
	11:45AM- 1:15PM	Research Process and Research Framework	Dr.Sindhu, Professor of SMS & Director, JNTUH
	1:15PM- 2:15PM	Lunch Break	
	2:15PM- 3:45PM	Research Methodology – Usage of ICT	Dr. V. Vijaya Kumar, Professor & Dean, Dept. of CSE & IT Anurag Group of Institutions
DAY-6 20-10-2022	10:00- 11:30AM	Scientific Methods of Research	Dr.M.A.Srinivas, Professor of Mathematics, JNTUCEH
	11:30- 11:45AM	Tea Break	
	11:45AM- 1:15PM	Research in Technical Education	Dr.M.Gopal Nayak, Professor of Civil Engg., Osmania University
	1:15PM- 2:15PM	Lunch Break	
	2:15PM- 3:45PM	Multidisciplinary Research Approach	Dr.V.Hima Bindu, Professor of Env. Sci. & Tech., JNTUH

Code of Conduct for Research Scholars:

- The registration of a Ph.D. scholar may be cancelled by the Director, R&D cell, if the candidate fails to satisfy the conditions stipulated in the admission order or violates the rules and regulations of Ph.D. after giving notice to the concerned candidate.
- The Director, R&D cell may cancel the registration of a Ph.D. scholar on the recommendation of the supervisor and/or DRC under the following circumstances after giving notice to the candidate:
 - Where the progress has been reported to be unsatisfactory for two years in consecutive half yearly RRM's.

- If the Research Scholar does not pay tuition fee for two consecutive academic years, his/her Ph.D. admission is liable to be cancelled.
- Where a Scholar discontinues research, and/or where they have accepted any of appointment other than specified earlier, without the written consent from JNTUH.
- If any research scholar desires for cancellation of admission due to their personal reasons, then the scholar has to pay the tuition fee as prescribed for minimum duration of the programme.
- The Directorate of Research & Development cell will maintain Receipt books, cash book, details of financial transactions etc. The original certificates and admission folio of the scholar shall be maintained by the Office of the Research & Development cell, till the completion of the research programme of the respective candidates.
- A Student Admission Number, which will also be the Hall Ticket number / registered number will be assigned to the scholar. An Identity Card for the exclusive use of academic facilities of JNTUH, will be given to each candidate signed by Director, Research & Development.
- During the research period time of JNTUH, the scholar shall not register for any other course, at any other University or Institution, leading to the award of a degree. In case of any such ambiguity, he/she will forfeit the admission at JNTUH.
- In any letter being submitted to the Director, R&D cell by the candidate the signatures of Research Supervisor and/or co-supervisor are necessary and mandatory. Faculty members involved in active research may be considered for supervisorship. The decision of Hon'ble Vice Chancellor in allotting research supervisors to a particular research scholar is final. If a situation arises where there is a conflict between Research Scholar and Supervisor Co-Supervisor, the decision of University regarding Change of Supervisor / Co-Supervisor is final. The scholars are required to actively involved in doing original research resulting in possible IPR and patents. The academic regulations should be read as a whole for purposes of any interpretation.
- In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice-Chancellor is final. The University reserves the right to alter the regulations from time to time as and when necessary.
- Research Scholars shall show due respect to the officers and teachers of the Institute and other employees of the institute. Proper courtesy and consideration should be

extended to all employees of the Institute. They shall also pay due attention and courtesy to visitors.

- Research Scholars are required to develop a friendly camaraderie with fellow scholars. In particular, they are expected to show kindness and consideration to the new scholar's admitted to the Institute every year. Ragging of newcomers in any form is banned by law: acts of ragging will be considered gross indiscipline and will be severely dealt with.
- The following acts of omission and/or commission shall constitute gross violation of the code of conduct and are liable to invoke disciplinary measures:
 - Ragging
 - Lack of courtesy and decorum; indecent behavior anywhere within or outside the campus
 - Willful damage or stealthy removal of any property / belongings of the Institute or of fellow scholars
 - Possession, consumption or distribution of alcoholic drinks or any kind of hallucinogenic drug
 - Adoption of unfair means in the examinations
 - Mutilation or unauthorized possession of library books
 - Noisy and unseemly behavior, disturbing studies of fellow scholars Commensurate with the gravity of the offense, the Jawaharlal Nehru Technological University Hyderabad punishment may be reprimand, fine, suspension of fellowship, debarment from an examination or RRM's, rustication for a specified period or even outright expulsion from the Institute.
- The Head of the Department, BoS, and the Head of the Unit (Principal/Director) respectively, shall have the authority to reprimand or impose fine or take any other suitable measures for maintaining the discipline.
- No scholar can receive scholarship/fellowship from more than one source, either Government or Private.
- The fee particulars and mode of payment and other related details may be obtained from the office of Research and Development cell of JNTUH. Fee payment for Full-Time as well as External Candidates is year-wise may be paid before 31st July of every year in R&D. Payment can be made through online mode (Please refer to JNTUH website for further details).

- In the event of cancellation of Ph.D. registration by the candidate on his/her requestor by the University for any Reason, the entire fee amount due must be cleared by the candidate for the return of original certificates. If any reason a candidate takes his/her Original Certificates temporarily from the R&D cell office during the course of research work, the original certificates must be returned within the stipulated time as decided by Director, R&D cell, otherwise their admission is liable to be cancelled. The requisition for Original Certificates on temporary basis must be given on a Rs. 10/- bond paper mentioning the date before which the certificates will be returned back to the office. The details are available in the University website.
- There is no provision for issuing Transfer Certificate on completion of Ph.D. degree; however Migration certificate can be obtained from Examination Branch of the University.

Ph.D. (Fulltime / External)

List of Faculty/Department in which Ph.D. programme is offered

ENGINEERING

- Aeronautical Engineering
- Chemical Engineering
- Civil Engineering
- Computer Science & Engineering
- Electrical & Electronics Engineering
- Electronics & Communication Engineering
- Energy Systems
- Industrial Engineering
- Mechanical Engineering
- Metallurgical Engineering
- Transportation Engineering

SCIENCE & TECHNOLOGY

- Bio-technology
- Chemical Engineering
- Chemistry
- Environmental Science & Technology
- Earth & Atmospheric Sciences
- Mathematics
- Nano Science & Technology
- Physics
- Spatial Information Technology
- Water Resources
- Pharmaceutical Sciences
- Food Technology

MANAGEMENT

- Management Sciences

Fee Structure:

Fee Particulars	Fee Particulars (Amount in Rs.)	Full Time Scholars (Amount in Rs.)	Regular/Contract JNTUH Faculty Annual Fee (Amount in Rs.)
Annual Fee	Rs. 30000/- (External Scholars) Rs. 60000/-(Industrial Executives)	Rs. 20000/-	Rs. 5000/- (for Regular teaching faculty)* Rs. 15000/- (for Asst. Prof. Contract)*
RM Fee	Rs. 5000/-	Rs. 5000/-	Rs. 5000/-
Course Work Fee (Per subject)	Rs. 5000/-	Rs. 5000/-	Rs. 5000/-
RRM Fee	-	-	-
Colloquium Fee	-	-	-
Anti-Plagiarism Fee	-	-	-
Thesis Submission Fee	Rs. 5000/-	Rs. 5000/-	Rs. 5000/-



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

Kukatpally, Hyderabad - 500 085, Telangana State, India

Phone: +91-40-23158661 to 4, Fax: +91-40-23158665

website:www.jntuh.ac.in