

NEWSLETTER 2017-18

Directorate of Research and development



Jawaharlal Nehru Technological University Hyderabad Kukatpally, Hyderabad-
500085, T.S.



Dr. M Anji Reddy
Professor & Director
Directorate of R & D, JNTUH

As the Director of this esteemed Directorate of Research and Development, We are proud to be Directorate of R & D that is committed to providing a high-quality research that is relevant to today's world. Our Directorate is dedicated to nurturing young minds and preparing them for their future careers. We believe in providing a well-rounded innovation not only focuses on research excellence but also on the holistic development of research scholars.

We strive to create an environment that fosters intellectual curiosity, creativity and critical thinking. We provide ample opportunities for our scholars to engage in research, community service, and extracurricular activities.

We are proud of our achievements so far, but we also recognize that there is always room for improvement. We are committed to continuous improvement and strive to be the best we can be. In conclusion, I would like to say that I am honored to be a part of this JNTUH. Together, let us work towards achieving our goals and making a positive impact on society.

About Directorate of Research & Development:

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 administers Ph.D. programme in external and full- time modes. Research and Development 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 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. Directorate of R&D conducts Research Review Meetings (RRMs) once in every six months to evaluate and monitor the research work progress of the scholars. R&D 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:

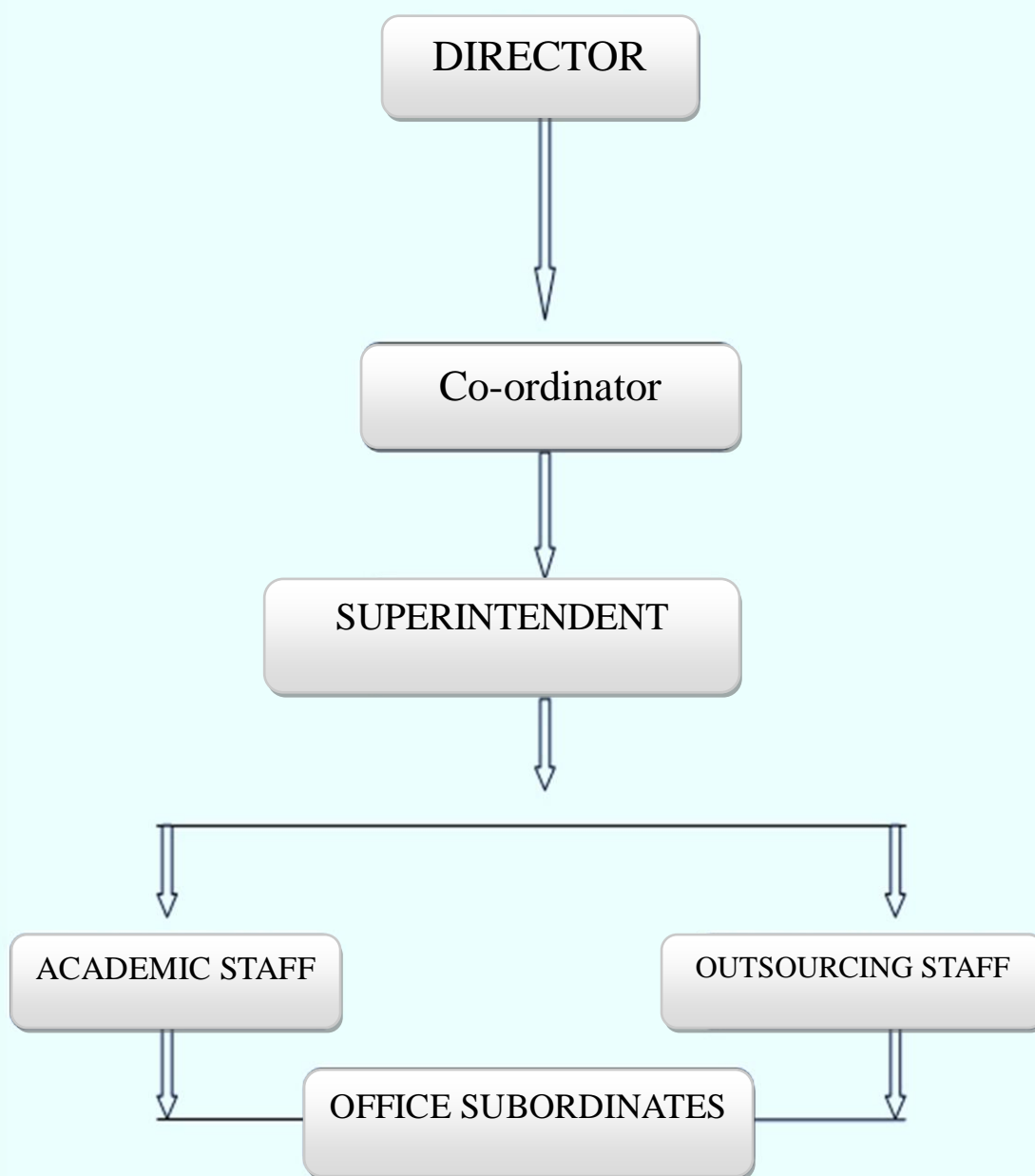
- To identify thrust areas, funding agencies, guiding and advising the University to go forward in research front.
- To guide the Departments to do research in thrust areas as identified by national and international research organizations.
- To identify gap areas in industry and to create the awareness 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.
- 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.

Organization Structure of Research and Development

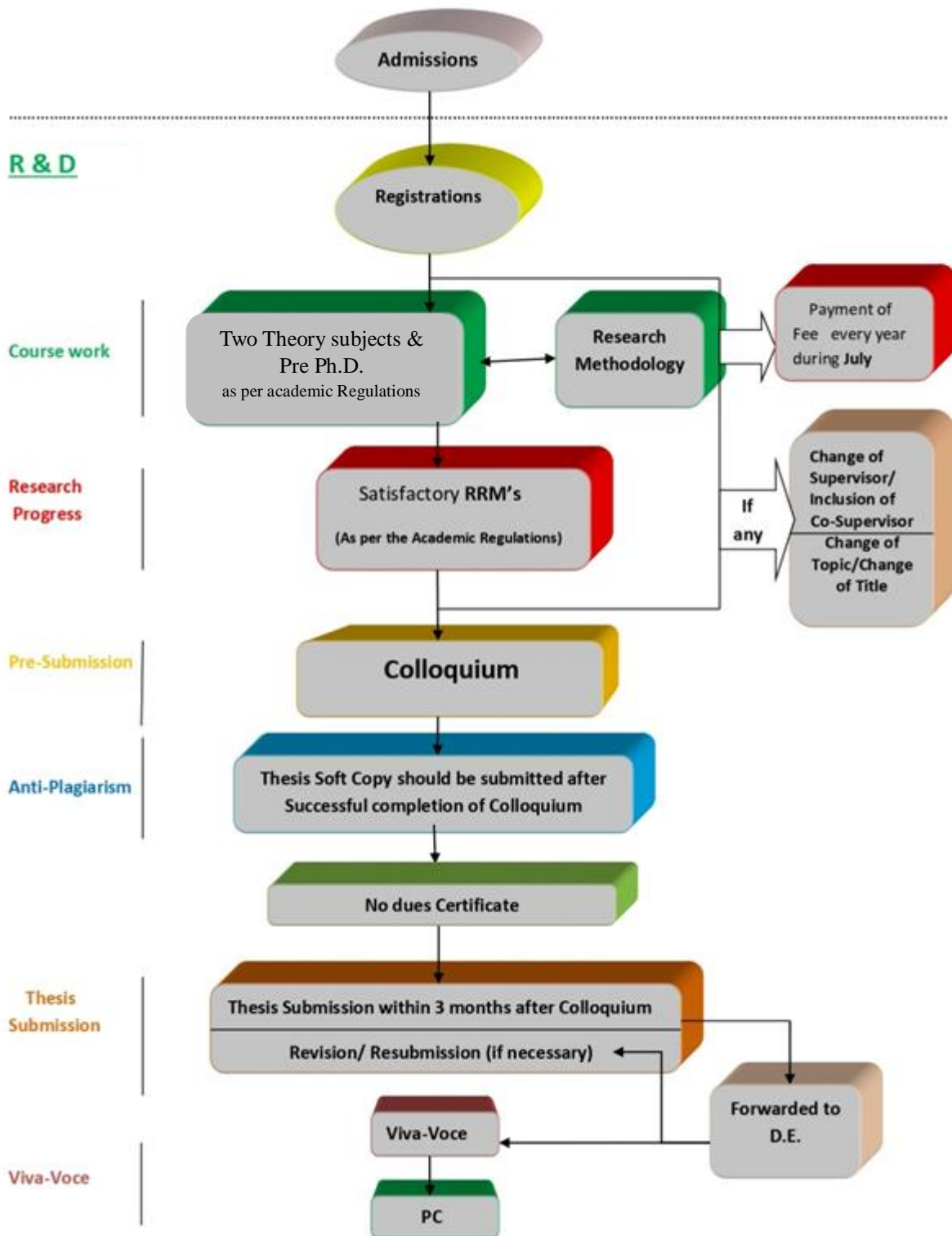


Staff members of Directorate of R&D

S NO.	STAFF NAME	DESIGNATION
1	Dr. M. ANJI REDDY	DIRECTOR
2	Dr. Y. APARNA	COORDINATOR
3	SMT. K. S BHASHAMANI	ASST. REGISTRAR
4	SRI. N.V.V.S.N MURTHY	SUPERINTENDENT
5	SRI.P. SIDDA LAXMI	OFFICE SUBORDINATE
6	A. KANISHKA KUMAR	ACADEMIC ASSISTANT
7	M. BALAKRISHNA	ACADEMIC ASSISTANT
8	M. HARISH KUMAR	ACADEMIC ASSISTANT
9	Y. KOTESWARAMMA	DATA PROCESSING OFFICER
10	K SHARMILA	DATA PROCESSING OFFICER
11	CH. HEMALATHA	DATA ENTRY OPERATOR
12	P. MALLIKARJUN	DATA ENTRY OPERATOR
13	B. A. N. MANIDHAR	DATA ENTRY OPERATOR
14	T. SHASHIDHAR REDDY	JUNIOR ASSISTANT
15	D R PERSHAD	JUNIOR ASSISTANT
16	P. KALAVATHI	OFFICE SUB-ORDINATE
17	A. DEVENDER	OFFICE SUB-ORDINATE
18	A. KAVITHA	OFFICE SUB-ORDINATE

Flow chat from registration to award of Ph.D

Process in R & D



Activities in the Academic Year 2017-18

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'2017	36	45	5			51
2	JULY	27	29	44	352	310	49
3	AUGUST	40	63	15			
4	SEPTEMBER	47	58	51			
5	OCTOBER	19	26	41			51
6	NOVEMBER	21	51	13			
7	DECEMBER	12	19	16	336	299	
8	JANUARY	22	22	32			48
9	FEBRUARY	24	33	20			
10	MARCH	26	20	16			
11	APRIL	21	43	10			49
12	MAY'2018	61	20	24			

Activities Photos with figure captions



Research Methodology
Course work 2017

Code of Conduct for Research Scholars

- The registration of a Ph.D. scholar may be cancelled by the Director, R&D, 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 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 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, 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 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 supervisor ship. 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 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 DRD. 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, all the 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 office during the course of research work, the original certificates must be returned within the stipulated time as decided by Director, R&D, 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 | ➤ Energy Systems |
| ➤ Chemical Engineering | ➤ Industrial Engineering |
| ➤ Civil Engineering | ➤ Mechanical Engineering |
| ➤ Computer Science & Engineering | ➤ Metallurgical Engineering |
| ➤ Electrical & Electronics Engineering | ➤ Transportation Engineering |
| ➤ Electronics & Communication 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

HUMANITIES AND SOCIAL SCIENCES

- English
- Physical Education

Fee Structured:

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

*Any concession in tuition fee is applicable for five academic years only. There after a prescribed fee on par with other full time and external scholars is to be paid



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