

# NEWSLETTER

2022 – 23



## Directorate of Research and Development

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR**

(Established Under A.P. Govt. Act No. 30 of 2008)

**Ananthapuramu - 515002, Andhra Pradesh, India.**

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## **About the R&D**

JNTUA is focusing on Research Programs and need-based technology. Accordingly, an independent R & D Cell was established in the year 2010 to promote and monitor the research programs of the University. R & D cell is headed by a director and supported by office staff. The Directorate administers all the research programs of the University by monitoring and coordinating the research programs. Research and Development Cell coordinates with the Directorate of Admissions for selection and admission of research scholars, and also interacts with the Director of Evaluation for the evaluation of the Thesis. It conducts research review meetings once every three months to evaluate and monitor the research work progress of the scholars. The R & D cell also recommends the sanction of research scholarships to scholars. After the evaluation part of the thesis, R & D Cell conducts viva-voce examinations for the award of the Ph.D. degree in the faculties of Engineering, Science & Technology, Pharmacy, Management and Humanities and Social Sciences.

## **Aim and Policy:**

JNTUA aims at the promotion of research culture in accordance with the academic standards, legal framework, good governance and ethical practices. Research policy provides guidelines on good and ethical practices in the conduct of research to achieve the highest standards. The policy also focuses on utilizing the outcome of the research for the benefit of society.

## **Strategy:**

- To identify thrust areas, funding agencies, guiding and advising the University to go forward in the 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 the industry and to create awareness for sponsored and industrial research.
- 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 on the 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 Anantapur.
- To focus on the 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 research, teaching and learning and consultancy services.
- To promote and support high-quality research in the area of Engineering, Science and Technology.
- To create a research culture with ethical concerns.
- To initiate an anti-plagiarism policy to carry out fair research.
- To frame guidelines for the smooth conduction of research work.
- To integrate industry-oriented research facilities for the academic community.
- To clarify roles and functions of various committees, Director / Principal / Head / BOS Chairperson / DRC of the Department / Research Guide / Scholars in order to facilitate researcher to understand the university research system and smoothly undertake research activities.

## Activities in the Academic Year 2022-23

### I. Recognized Research Centers

S.No.	Research Centers	Branches
1	G.Pulla Reddy Engineering College(Autonomous), Kurnool.	CE, EEE, ME,ECE, CSE
2	K.S.R.M. College of Engineering, YSR Kadapa District	CE, ME, ECE, CSE
3	Rajeev Gandhi Memorial College of Engineering &Technology, Kurnool.	CE, EEE, ME, ECE, CSE
4	Annamacharya Institute of Technology & Sciences, Rajampet, Kadapa District.	CE, EEE, ME, ECE, CSE
5	Sri Venkateswara College of Engineering, Tirupathi. Chittoor District.	ECE
6	Rahavendra Institute of Pharmaceutical Education & Research, Anantapur.	Pharmacy
7	Sri Venkateswara College of Pharmacy, Chittoor.	Pharmacy
8	Seven Hills College of Pharmacy , Chittoor.	Pharmacy
9	Annamacharya College of Pharmacy, YSR Kadapa District.	Pharmacy

## 2. Students Information

*Table 2.1: Students admitted details*

S.No	Name of the Department	No. of Students admitted			Total Students admitted
		Full time	Part-time	Industrial Quota	
1	Civil Engineering	1	5	0	6
2	Electrical and Electronics Engineering	1	5	0	6
3	Mechanical Engineering	0	2	0	2
4	Electronics and Communications Engineering	2	7	0	9
5	Computer Science and Engineering	1	34	4	39
6	Chemical Engineering	0	1	0	1
7	Physics	0	3	0	3
8	Chemistry	0	3	1	4
9	Mathematics	0	3	0	3
10	Management	0	4	0	4
11	Bio-Technology	0	0	0	0
12	Food-Technology	0	0	0	0
13	Pharmacy	1	10	0	11
14	English	0	4	0	4
<b>Total</b>		<b>06</b>	<b>81</b>	<b>05</b>	<b>92</b>

### 3. Details of Research Review Meetings

The R&D cell conducts Research Review Meetings regularly to evaluate the research work of the scholars along with their supervisor/co-supervisor. The RRM's main motive is to review the research work of the scholar by the internal and external subject experts according to their research topic. The RRMs conducted is shown in Tables 3.1, 3.2 & 3.3

Table 3.1: Details of the 24<sup>th</sup> RRM

S.No.	Name of the Department	No. of Students attended the 24 <sup>th</sup> RRM during September 2022
1	Civil Engineering	14
2	Electrical and Electronics Engineering	22
3	Mechanical Engineering	8
4	Electronics and Communications Engineering	37
5	Computer Science and Engineering	17
6	Chemical Engineering	4
7	Physics	3
8	Chemistry	0
9	Mathematics	8
10	Management	5
11	Bio-Technology	1
12	Food-Technology	1
13	Pharmacy	13
14	English	6
Total		139

Table 3.2: Details of the 25<sup>th</sup> RRM

S.No.	Name of the Department	No. of Students attended the 25 <sup>th</sup> RRM during December 2022
1	Civil Engineering	8
2	Electrical and Electronics Engineering	20
3	Mechanical Engineering	11
4	Electronics and Communications Engineering	11
5	Computer Science and Engineering	8
6	Chemical Engineering	2
7	Physics	4
8	Chemistry	5
9	Mathematics	2
10	Management	6
11	Bio-Technology	1
12	Food-Technology	1
13	Pharmacy	5
14	English	1
<b>Total</b>		<b>85</b>

Table 3.3: Details of the 26<sup>th</sup> RRM

S.No.	Name of the Department	No. of Students attended the 26 <sup>th</sup> RRM during April 2023
1	Civil Engineering	8
2	Electrical and Electronics Engineering	12
3	Mechanical Engineering	19
4	Electronics and Communications Engineering	22
5	Computer Science and Engineering	16
6	Chemical Engineering	0
7	Physics	1
8	Chemistry	2
9	Mathematics	7
10	Management	7
11	Bio-Technology	3
12	Food-Technology	1
13	Pharmacy	6
14	English	0
<b>Total</b>		<b>104</b>

#### 4. Details of the Synopsis, Plagiarism Check & Thesis Submission

The scholars submit their Synopsis after getting approval from the Research Review Committee. An Open seminar is conducted by duly constituted expert committee for the Research Scholar. After successful completion of their seminar, they are intimated to submit the Thesis for Plagiarism check. The R & D Office, check the Plagiarism of the Thesis and reports for submission of the Thesis.

S.No.	Name of the Department	No. of Students submitted Pre-submission Seminar	No. of Students submitted Plagiarism check	No. of Students submitted Thesis
1	Civil Engineering	10	9	6
2	Electrical and Electronics Engineering	19	19	18
3	Mechanical Engineering	11	8	6
4	Electronics and Communications Engineering	34	32	33
5	Computer Science and Engineering	22	21	21
6	Chemical Engineering	5	5	4
7	Physics	2	2	2
8	Chemistry	15	13	12
9	Mathematics	14	13	13
10	Management	5	5	5
11	Bio-Technology	1	1	0
12	Food-Technology	5	5	5
13	Pharmaceutical Sciences	16	15	15
14	English	5	5	5
Total		164	153	145



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