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(AUTONOMOUS)

Freshman Engineering Department

Research Quality Circles

1. WHY?

The quest for knowledge is the basic principle behind research. The quality of research work is directly proportional to the quality of teaching and learning in the classroom, thereby benefiting the students, the society and the country. Academic research has the power to alter how a particular subject is viewed and expands the teacher's knowledge and competencies of the subject which in turn expands the horizons in teaching. Taking this into consideration research circles have been formed for Physics, Chemistry, Maths, English and ES.

2. AIM:

The main aim of Research Quality Circle is to explore new avenues of knowledge, encourage and promote research culture in the department. Besides, faculty members are encouraged to pursue their research and publish their findings.

3. EXPECTED OUTCOMES:

The expected outcomes are to increase the number of publications in scopus indexed journals in the respective subjects and the participation of faculty in conferences, seminars, workshops etc.

4. TEAM:

Convener: Dr. M. Srilakshmi, Professor of English & HOD - FED

Faculty coordinators: All First Year Faculty

2022-23

EVENTS ORGANISED

- 1) Periodic research circle meetings
- 2) Collaborative research work with NIT Warangal,
- 3) 2 faculty are pursuing Ph. D. In Nano Technology Research Lab
- 4) Organized an FDP on Teaching Learning Methodologies
- 5) Organized an FDP on Outcome Based Education

Outcomes

- 1) Established Nano Technology Research lab to promote research in the area
- 2) Installed High temperature Muffle Furnace With Temperature of 1400 Degrees Centigrade
- 3) Focus on consultancy work related to Nano - composite materials
- 4) 2 faculty members received seed money – 0.55 L
- 5) Applied for SERB / CRG Projects worth 60 L
- 6) Students participated in International Conferences and presented papers
- 7) Publications

S. No.	Journal Type	Number of Papers
1.	International Journals	3
2.	Scopus Indexed	17
3.	Sci Indexed	1
5.	E-Sci	1
6.	Book Chapters	1

- 8) Papers presented in conferences

S. No.	Conference Type	Number of Papers
1.	International Conference	10
2.	National Conference	7