VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Vignana Jyothi Nagar, Bachupally, Nizampet (S.O.), Hyderabad - 500 090

NAAC "A" Grade, Autonomous Institute & CPE

(Approved by A.I.C.T.E., New Delhi and Govt. of T.S. & Affiliated to J.N.T.U.H.)

_____

RESEARCH ENHANCEMENT ACTIVITIES

VNR Vignana Jyothi Institute of Engineering and Technology has promoted meaningful Research and Development activities with a vision and mission to pursue and promote Research in Frontier Technologies. In order to strengthen and expand the research activities in the institute, R&D cell was established and is functioning in this Institution from last several years. It is acting as the nodal centre for all Research related activities.

Policy: To create good infrastructural facilities and conducive environment to inculcate research culture.

Aim: To Promote, Coordinate and Implement Research and Development Programs

Major Goals / Objective of R & D Cell

• To promote research and Research Projects including Multidisciplinary

• Research Papers Publication / Presentation in referred journals

• Institute- R&D Organization- Industry Collaboration

• Core Competence and Consultancy

• PhD Program Management

• Staff Development Program

• Patents & IPR Knowledge

• 11th Five year Plan – Vision & Planning

The significant factors indicating potential growth in the research activities includes the enhancement in the research publications in peer reviewed journals, Research Projects/ grants, Patents, Collaborations, Doctoral program and Faculty development. R & D cell is focusing the attention on the following major activities:

The Research and Development Cell is functioning with the following Activities:

- To create awareness and opportunities in Research and Development among the students & faculty and to create Research and Development atmosphere in every department;

- To create interest and atmosphere among the staff members to take up Research projects and improve their knowledge, skills and qualifications by registering Ph. D's;

- To motivate the faculty members of the group for R&D activities in the area of their specialization;

- To encourage staff members and students to publish technical papers for publishing in National and reputed International Conferences/Journals;

- To encourage faculty members of all the disciplines in Engineering/Science /Humanities in R&D activities for their professional growth;

- To undertake research activities and development projects offered by agencies such as ISRO, DRDO, CSIR, DST, AICTE, UGC, DBT, INFOSYS, etc.

- To assist the students to apply funding for conducting research under student project scheme to various funding agencies like TNSCST, IEI (I), DRDO, TCS, Infosys etc.;

- To assist for applying and getting funds for conducting Seminar/Workshop/FDP from various available funding agencies;

- To facilitate the growth of research activity among the academic community, including developing mechanisms and targets to achieve this;

- To develop and coordinate strategies for maximizing the faculty's success in gaining external research funding;

- To maintain and disseminate current information about relevant research policy areas and initiatives in government, in the professions and in relevant industries, including external funding opportunities;

- To develop strategies to foster research collaborations within the faculty, across faculty and institutes, and with agencies outside the college;

- To work with various departments to establish and develop faculty research priorities on interdisciplinary areas;

- To interact with industry, government, professions and the wider community on all research matters promote faculty research activities to external stakeholders;

- To coordinate faculty level workshops and staff development activities on research-related issues;

- To encourage development of activities to attract the best research oriented higher degree students;

- To maintain effective links with government departments, authorities, business, and commerce and industry organizations relevant to the college research activities.

In order to promote research and development activities, the college extends its full support to students/faculty/staff. Full/Partial financial support is given to all innovative research & development works taken up by the students, faculty and staff members. The college encourages students, faculty and staff to participate in National/International Conferences, Training programmes, Tech-Festivals organized by reputed institutes (IITs/NITs/State Engg. Colleges etc.) by giving full/partial financial support viz. Course/registration fee, TA/DA etc. The institute has conducted various workshops, conferences, fdp's and also encouraged both faculty and students to enhance their knowledge in respective domain

SPECIAL INTEREST GROUP (SIG)

1. Big Data
2. Machine Learning
3. Distributed Computing/Networks
4. Data Mining/Data Analytics
5. Cloud Computing
6. Image Processing