

### **3.1.1 The institution Research facilities are frequently updated and there is well defined policy for promotion of research which is uploaded on the institutional website and implemented**

Write description in maximum of 500 words

**Documents:** Minutes of the Governing Council/ Board of Management/Academic Council related to research promotion policy and its adoption

#### **POLICY FOR PROMOTION OF RESEARCH**

VJIT encourages innovations and research which contribute immensely to the development of key areas of Engineering and Management. The main aim of Research & Development Centre at the Institution is to promote Research & Innovation among the faculty & students that can meet the societal needs. The R&D Centre is headed by Dr.P.Venugopal Reddy, Dean- R&D. The Centre of the college works in three distinct aspects viz., pursuing academic and sponsored research, bringing innovation from engineering, and maintaining standards in R & D. To promote research and innovation, centers of excellence and innovative labs have been established. The centre helps in developing co-operative and complimentary research among various departments to explore advanced technologies which helps for publications in National/International Journals and Conferences. The Centre holds periodical review meetings on the progress of research being carried out by staff and students. The Center also renders help to pursue funded projects once it is sanctioned.

Necessary infrastructure to carry out research is the motivation for faculty and student to exhibit research activities. Centralized labs/design centers headed by faculty members and supported by competent technical staff are made open for all program students helps student groups (multidisciplinary) work on various engineering projects in these labs, from conceptualizing to designing the prototype. Students' creative thinking is enriched by faculty mentoring, which results in systematic development in processes and products. These research labs help the students build prototypes which enable them to participate in competitions both in India & Abroad.

#### **The aims and objectives of VJIT R&D Center**

- Encourage faculty and students to take up research
- Monitor activities of centers of excellence/innovative labs/incubation centers
- Collaboration with foreign universities for Research activities
- Facilitate management grants/incentives for promoting research
- Conducting research conclaves

#### **Institute Initiatives towards promoting research activities**

- Financial assistance to faculty for presenting technical papers in national, international conferences/seminars by sponsoring for the registration fee along with on duty leave

*A. K. Srinivas*  
Vidya Jyothi Institute of Technology  
Himayatnagar (Vill), C. B. Post  
Hyderabad-75

- Paper publication in National/International journals with an Impact factor as first and second author is given Rs 1000/and Rs 500/ respectively as one time incentive
- Paper publications in International Conferences of Prime Institutions 100% TA, 100% Registration Fees, on Duty and Cash Reward
- Management funded Research Promotion Scheme
- Deputation of faculty to participate in workshop, seminar and conferences
- Centers of excellence/Innovative labs/Incubation centers
- Incentives for faculty for fetching external research grants

### Research facilities created

1. Synthesis of Nano materials facility created
2. Closed Cycle refrigerator –For measuring properties up to 4 Degrees Kelvin
3. NI Labview Academy school
4. Cypress semiconductors Center of excellence on Embedded & IoT
5. VLSI, Signal Image and Video Processing, 3D Printing Laboratory
6. Centre of Excellence in Data Analytics in association with Qlik
7. Established R&D Zonal center in AI & Deep Learning in Collaboration with AICTE, Bennet University, Noida
8. Research in thrust areas Plasma Arc welding machine/Tungsten Inert gas welding machine/Tubular furnaces/Trinocular microscope with image acquisition system/ Fatigue testing machine/ Creo 3.0/ Ansys17.0/GibbsCAM

*A. Admas*

PRINCIPAL  
 Vidya Jyothi Institute of Technology  
 Himayunagar (Vill), C B. Post  
 Hyderabad-75