

**VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY**

**Department of Information Technology**

**SWOC**

**Strengths:**

- Strong faculty with a balance of interest in research and teaching.
- Strong Curriculum
- Team work of faculty & staff
- Quality of faculty
- Research Growth
- Student environment-learning communities,programs,student organizations and clubs
- Workforce has a commitment to quality,dedication,positive morale, and work ethic.
- There is a solid network infrastructure in place
- Success rate,Teacher student ratio,Academic,Placements.
- MTP is Placed
- New labs and facilities are created.
- The Department is quiet young and has highly motivated young faculty
- Good ambience for learning class rooms and laboratories are special and well maintained.
- Documentation and maintenance of course files is good.
- Presence of Different Committees & cells

**Weakness:**

- Department has inadequate and fragmented space
- Somewhat limited diversity/depth of course offerings/research areas
- Greater number of behavioural problems in students
- Faculty are not recognized nationally and internationally for research and leadership in respective fields
- Failure to find sufficient alternatives sources of revenue.
- No PHD Program
- Need to involve more graduate students in research
- Increase Collaborative research/Projects among the faculty member.
- Consultancy work to be improved
- Internships need to improve
- R&D need to improve
- Shortfall of Technical Staff
- Publications by students need to improve

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Department of IT**

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- Senior faculty at the level of professor needs to be appointed.
- Young faculty should be encouraged to take up higher education in reputed institutes.

**Opportunities:**

- Excellent career opportunities for graduates
- Excellent opportunities for interdisciplinary research
- Practice-based research
- Joint Research funding
- Increase and strengthen internal collaborations and external collaborations
- Involve more faculty members in research through incentives. Increased external funding is an opportunity to increase revenue through indirect cost recovery.
- Establish stronger relationship with R&D organizations.
- Opportunities to find research grants from industry and government agencies.
- Increase engagement/external funding through new centre of excellence
- Develop interdisciplinary research
- Develop collaborative grants proposals and projects among IT faculty.
- Maintaining and utilizing better contact to our alumni.
- Close proximity to industries and R&D Organizations

**Threats/Challenges:**

- Saturation of engineering education market.
- Reduced research funding-Agencies
- Alternatives providers i.e., online universities and community colleges.
- Declining interest in technical subjects by students.
- Public perception
- Lack of publicity in areas of excellence, value and quality.
- Balancing teaching quality with research
- Not much participation of students in faculty research.
- Large number of unprepared students
- High variance in student ability and experience.