VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY
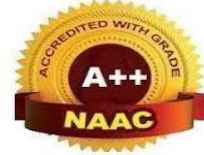
📍 Vignana Jyothi Nagar, Pragathi Nagar, Nizampet (S.O.), Hyderabad TS 500 090 India

AICTE Approved; UGC Autonomous; JNTUH Affiliated; UGC "College with Potential for Excellence"; NAAC "A++" Grade
ISO 9001:2015 Certified; QS I.GAUGE "Diamond" Rated; NIRF 2020: 127th Rank Engineering (151–200 Band Overall)
NBA Accredited: CE, CSE, ECE, EEE, EIE, IT, ME; JNTUH-Recognised Research Centres: CE, CSE, ECE, EEE, ME
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Department of Information Technology

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About the Course

M.Tech in Computer Networks & Information Security (CNIS) is aimed at producing the much needed highly skilled manpower in the area of Computer Networks and Information Security.

It is a 2-year master's programme. An applicant to this programme is required to be a B.Tech in CS/ECE/IT/EEE/EIE .The course is mainly research oriented. Students for this program are selected by a nationwide/State wide test and also through management category. The course has highly qualified faculty, good computing facilities, and a well equipped department library apart from the central library of the institute.

All GATE qualified M.Tech CNIS students are paid a stipend for living expenses as per Government norms. The candidate must be an Indian citizen and enrolled under full-time M.Tech CNIS programme to be eligible for stipend. The two year program contains a mix of courses from Computer Science, Information security, security management, and advanced elective courses.

Brief view of the programme:

- Programme Name   :   M.Tech (Computer Networks & Information Security)
- Duration   :   2 Years (4 Semesters)
- Offered by the Department :   Information Technology
- Programme offered since   :   2013
- Sanctioned Intake   :   18

From the HOD Desk

Our vision is to be recognized as ideators and leaders in higher education and research, and to develop human power with creativity, technology and passion for the betterment of India and humankind. The department focus on both applied and basic research, provides solutions for immediate use, and generates new science that will drive the future evolution of Information Technology. With our current and evolving faculty strength, motivated community and exceptional laboratory facilities, we have all the necessary ingredients in realizing our vision and are confident about it.

VNR VJIET has educated students and shaped the future of students for 22 years. It has nurtured students as professionals and better human beings. The institution leaves an indelible mark on the lives of its students, connecting them to a great career and challenging them to discover and define their purpose. We ensure in providing students a deeply transformative experience intellectually, socially, and technically that will prepare them for undertaking challenging tasks.

To prepare our students for wide spectrum of global competition, we extend our reach to the innovations and technology developments happening worldwide.

We are interested to actively engage in collaboration and cooperation with education, research, industry organizations for projects, students training, internship and faculty collaborative research.

Dr. D.Srinivasa Rao
Assoc.Professor and Head

Faculty

1. Dr.B.V.Seshu Kumari (PG COORDINATOR)
2. S.Renu Deepti
3. Ch.Rohini

The department has a rich tradition of teaching and research and is widely recognized to be a pioneer in Computer Science and Information Technology Education. The publications of the faculty in the department are listed in SCOPUS, Web of Science, and Science Citation Index Expanded (SCIE) journals and conferences. Faculty has filed 8 patents and also guiding various Ph.D scholars & PG scholars registered with reputed institutions like JNTUH, JNTUA, KLU, and etc..

M.Tech Graduates from the department are recruited by both academia and industry, and alumni of the department occupy top positions in both academia and industry across the world.

The faculty of the department has the expertise in taking up various consultancy projects in the domain knowledge areas of computer science, security and Information Technology.

Laboratories

Programme Curriculum

The curriculum includes courses related to Core contents of the programme, Professional electives and Open electives as given below.

- Computer Forensics and Cyber Security
- Machine Learning and Security
- Cloud Based Computing
- Distributed Systems
- Designing the Internet of Things
- Fundamentals of Wireless Sensor Networks
- Intrusion Detection
- Network Programming
- Ethical Hacking
- Security Assessment and Risk Analysis
- Information Security Management and Standards
- Business Analytics

To enhance students technical skills, various Guest Lectures, Workshops, Seminars and training Program will be organized. The M. Tech students are involved in mini projects in first year and research work in the second year. Students are encouraged to undertake projects which have societal significance. Improves the research methodology and self-learning using Technical seminars and project works. The Dissertation (Major Project Work) in the third and final semester enables students to closely work with faculty with funded projects with good stipend / work with industry using internships that enables the student to see many opportunities after the graduation. The programme uses a Continuous Evaluation System, mentoring and monitory by a dedicated programme coordinator who will assist the students in the entire journey of 2 years of the programme and motivates the students towards the dreams accomplishment.

Research and Development

	• Received 1 RPS Project and 2 MODROBS • Sanctioned grant for 3 STTPs • Received 1 PRERANA SCHEME for encouraging Students for Higher Education
	• Received 3 JNTUH Projects under TEQIP-III
	• Sanctioned 1 Project from DRL –Tezpur, Assam

	- Received 1 Research Project from DRDO
	- Sanctioned 1 project from UGC
	- Received fund to conduct 1 FDP

Internships and Placements

"Accelerated Digital Training" a unique model designed for students

Campus hiring is anticipated to majorly shift on "Virtual Hiring". Companies are increasingly turning towards virtual hiring solutions. This situation has thrown challenges to the students to effectively participate through online intelligent assessment tools developed based on AI. In view of the above changes, we have transformed our training methodology to Accelerated Digital Learning.

Companies offering Dream offers (CTC > 5 LPA), Highest CTC: 13LPA (AMD)

Industry Interaction

- Cyber security centre of Excellence, **DSCI**, Telangana
- IIIT Hyderabad
- AVR Techno soft solutions
- RVJ Techno Solutions Pvt Ltd
- Brain O Vision Solutions Pvt Ltd
- IT versity Solutions
- mroads
- TCS
- Oracle
- Sunlight IT