



VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY



M.TECH (Computer Networks & Information Security) DEPT OF INFORMATION TECHNOLOGY

About the Course

M.Tech in 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 masters 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 Govt. 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.

MoU's



HOD-IT

Dr. D Srinivasa Rao,

Associate Professor,

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M.Tech Coordinator

Dr. B V Seshu Kumari,

Associate Professor

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M.Tech Faculty

Dr G Suresh Reddy

Dr.N.Mangatayaru

Dr.G.Madhu

Dr.B.V.Seshu Kumari

Dr.D.Kalyani

K.Renuka

Mrs.Ch.Rohini

HIGH END INFRASTRUCTURE



Lenovo GPU Workstations



SonicWALL Firewalls



High-End Servers







Centralized Network Control Room

Programme Curriculum

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

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

Research and Development

| | |
|---|---|
|  | Received 2 MODROBS, RPS, Grant for STTP, FDP, Received 1 PRERANA SCHEME |
|  | Received 3 MHRD projects under TEQIP-III |
|  | Sanctioned 1 Project from DRL –Tezpur, Assam |
|  | 1 DRDO Project |
|  | UGC Minor Project |

Roles in Networking and Security in MNC

Network Administrator - Cisco/Security Protocols.

Network & Security Architect.

Network Security Engineer - URL/SSL/DNS

Network Security Operations Engineer

COMPANIES FOR PLACEMENTS



INDUSTRY INTERACTION

- Cyber Security Centre of Excellence,
- DSCI, Telangana
- CISCO Networking
- Brain O Vision Sol. Pvt Ltd
- MRoads TCS, Oracle

PLACEMENTS (L P A)

| Adm Year | No. | Avg Sal | Highest Sal |
|----------|-----|---------|-------------|
| 2021-22 | 5 | 6.64 | 9.5 |
| 2020-21 | 12 | 8.52 | 32.5 |
| 2019-20 | 5 | 4.4 | 7.5 |
| 2018-19 | 5 | 3.2 | 6.5 |
| 2017-18 | 3 | 3.21 | 4.01 |