

About IT Department

Our vision is to be recognized as ideators and leaders in higher education, research, and to develop human power with creativity, technology, and passion for the betterment of India and humankind. The department focuses 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 to realize our vision and are confident about it.

VNR VJiet has educated students and shaped their future for 23 years. The Institute 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, 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.

The department organizes Software Hackathons, Coding Contests to enable students to be on par with industry standards. In addition to that, we conduct guest lectures, workshops, symposiums, webinars with Industry experts for emerging future technologies.

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

Dr D Srinivasa Rao
Associate Professor & HOD



Faculty

There are 43 Faculty members in the department including 11 doctorates from reputed universities and 26 faculty members pursuing Ph.D in different domains. 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 faculty in the department have published 439 research articles and they are indexed in SCOPUS, Web of Science, and Science Citation Index Expanded (SCIE) journals and conferences.

B.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.

Courses Offered

The Department offers

- **B.Tech in Information Technology (IT) with 180 intake**
- **M.Tech in Computer Networks and Information Security (CNIS) with an annual intake of 18 seats**

Curriculum

The curriculum of both under graduate and graduate program encompass core Computer Science and Information Technology, Network Security subjects, as well as advanced subjects such as Data Analytics, Internet of Things, Data Mining, Information Systems, Software Testing and Software Engineering. The curriculum usually is revised from time to time to keep advanced technologies and research as part of the academics.

Academic Collaborations

IIITH- CIT Program, JNTUH, VMWare, TASK, Jordan University, Numbia University

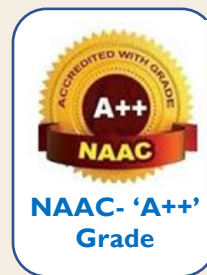
MoU's with Industries

National: Oracle, TCS, MRoads, Brain O Vision, RVJ Techno Solutions,
International: ITVersity, Innodatatics.



Dept of
Information Technology

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



The best way to predict the future is
to create it
- Peter Drucker



**11 Doctorates in latest
Mazzanine Technologies**
345 Research Publications
280 Scopus 210 WoS

Faculty with International Recognition

- **Dr. V.Radha Krishna** has been awarded as 2016 Highly Cited Researcher with International Collaborations and elected as regional editor for recent patents on computer science for asia region.
- **Dr G.Rajesh Kumar** received outstanding reviewer award by Elsevier Future Generation Computer System for the year 2017.
- **Dr G.Madhu** is having publications in collaboration with foreign universities Taylor's University, King Saud University, Cairo University, Nile University, LBPF Campus.
- **S.Rama Subbareddy** have published 110 research articles in international journal and conferences.
- **Dr D Sreenivasa Rao**, Associate Professor has delivered a session as a keynote speaker International Conference DATA'21 held at Jordan.



Research Thrust Areas

- Bio Informatics
- Data Science
- Cloud Computing
- Temporal Databases
- Internet of Things
- Software Engineering
- Image Processing
- Artificial Intelligence
- Machine Learning
- Deep Learning
- Cyber Security
- Natural Lang. Processing

VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY
An Autonomous Institution, NAAC A++ Grade, NBA Accredited, NIRF 2020 127th Rank and ISO 9001:2015 Certified
www.vnrjet.ac.in

Creating Societal Impact as a Student of IT Through B.Tech Project

ARTIFICIAL INTELLIGENCE BASED COVID-19 DIAGNOSIS FROM MEDICAL IMAGES

Dr. V Radhakrishna
Project Guide

COVID-19 Mobile App uses Deep NN Learning Model
Customized ACTIVATION Function is designed

COVID-19 Disease Diagnosis with better performance
Customized output function is designed

DEPARTMENT OF INFORMATION TECHNOLOGY

Over the last few years students have completed projects on a wide variety of technologies, partnering with companies from every sector of the industry, and focused on real issues producing actionable results. In order to bridge the gap between academia and Industry the IT department strives hard to make students industry ready before they step into the corporate world.

Faculty Achievements >>>

- **Dr G Suresh Reddy**, Professor of IT Dept received a grant of ₹8 lakhs for modernization of Labs through AICTE MODROBS.
- **B.MathuraBai**, Associate Professor, IT Dept., received a Grant-in-Aid under the scheme Prerana of an amount Rs. 7,93,333/- for the year 2019-20.
- Australian Patent granted for AI based Covid-19 and other respiratory tract infection Diagnosis on 14th May 2020 by **Dr.V.Radha Krishna, G.Rajesh Kumar, Dr.G.Suresh Reddy, Dr.N.Managathayaru, Ch.Aravind, V.SravanKiran** of IT Dept.
- **Dr.D.Srinivasa Rao**, Associate Professor received certificate of merit for Excellent performance in Advanced Certification in Artificial Intelligence and Machine Learning from IIIT, Hyderabad.
- **Dr N Mangathayaru, Dr D Srinivasa Rao, Dr G Madhu** were granted research grant worth of 9 lakhs by JNTUH, Hyderabad.
- **Dr.A.Srinivasa Rao**, Assistant Professor filed two patents titled "cloud parking management system and vehicle anti-theft method" and "IOT traffic system: IOT based intelligent traffic, transport management system".
- **Dr G Suresh Reddy, Dr G Madhu, Dr N Mangathayaru, Dr G Rajesh Kumar** of the department visited Bulgaria, Russia, Morocco, Turkey respectively for presenting their research papers.
- **Dr.G.Madhu**, Associate Professor received certificate of merit for Outstanding performance in Advanced Certification in Artificial Intelligence and Machine Learning from IIIT, Hyderabad.

Funding Agencies for Research Projects



Received total research grant of ₹ 54 Lakhs



Research Facilities in the Department >>>

- Required software are installed in order to carry out the research work effectively like: R, Weka tool 8.0, Code Blocks, Turbo C++4.0, Python, Oracle 11g, Rational Rose Suite 8.0, JDK 1.8, Eclipse ANDROID SDK, Selenium, MATLAB 2014b etc.
- The department has set up a lab for Computer Networks and Information Security for research in Network Security.
- Mobile Applications Development Lab enables students to develop android applications. The Cyber security Lab enables to teach students how to keep their digital lives safe, spot cyber scams, learn the basics of coding, and defend against cyber-attacks.



TOP FEW PLACEMENTS FOR A.Y. 2020-21

| Name of the Company | Salary (LPA) ₹ | Offers # |
|---------------------------|----------------|----------|
| AMAZON-SOFTWARE DEV. ENGG | 31.50 | 3 |
| AMAZON-DATA ENGG. | 28.00 | 2 |
| SERVICENOW | 23.00 | 3 |
| AMAZON-AWS | 19.00 | 1 |
| AMAZON-SUPPORT.ENGG. | 18.90 | 2 |
| JP MORGAN CHASE | 14.00 | 5 |

PLACEMENTS - Average Package in Lakhs

