

**VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING
AND TECHNOLOGY**
(AUTONOMOUS)
DEPARTMENT OF INFORMATION TECHNOLOGY

VISION

- To impart quality technical education that fosters critical thinking, dynamism and innovation to transform students into globally competitive IT professionals.

MISSION

- To provide quality education through innovative teaching and learning process that yields advancements in state-of-the-art information technology.
- To provide a learning environment that promotes quality research.
- To inculcate the spirit of ethical values contributing to the welfare of the society.

Brief History of Department

The Department of Information Technology was established in the year 1997 with an annual intake of 60 seats. M.Tech (CNIS) Programme started in the year 2013 with an intake of 18. It has all Infrastructural facilities required for imparting high quality education and the department is fully structured to meet the contemporary needs of the industry. Imparting high quality education is supported by well qualified and experienced faculty; further support is extended by technically skilled and competent programmers

The department strength is the faculty. It has young and dynamic staff that is passionate towards research and academics. The average age of the faculty in the department is 35 years and every one strives for the department and institution growth at their level best.

NBA Accreditation

The Department is accredited by **National Board of Accreditation** (NBA- New Delhi) for 3 years in 2016.

HOD

Dr. G. Suresh Reddy, Ph.D

Department Faculty and Expertise

S. No.	Name	Designation
1	Dr. G. Suresh Reddy.	Professor&HOD
2	Dr. N. Mangathayaru.	Professor
3	Dr. D.Srinivasa Rao.	Assoc.Professor
4	Dr. G. Madhu.	Assoc.Professor
5	B. Jalender.	Assoc.Professor
6	B. Mathura Bai.	Assoc.Professor
7	Dr. B. V. Seshu Kumari.	Assoc.Professor
8	G. Rajesh Kumar.	Sr. Asst.Professor
9	K. Renuka.	Asst.Professor
10	T. Ravi.	Asst.Professor
11	M. KoteswaraRao.	Asst.Professor
12	A.Revathi.	Asst.Professor
13	Y. Usha Rani.	Asst.Professor
14	G. Naga Chandrika.	Asst.Professor
15	V. Radha Krishna.	Asst.Professor
16	D. Kalyani.	Asst.Professor
17	V. Saritha.	Asst.Professor
18	M. Susmitha.	Asst.Professor
19	V. Lavanya.	Asst.Professor
20	R. VikramRaju.	Asst.Professor
21	S. Murali Mohan	Asst.Professor
22	I.Pavan Kumar	Asst.Professor

23	V P Hara Gopal	Asst.Professor
24	S. Swathi	Asst.Professor
25	B.Srivani	Asst.Professor
26	S.Renu Deepti	Asst.Professor
27	Dr.A.Sreenivasa Rao	Asst.Professor

Courses offered by the department.

Courses (UG and PG)	Duration	Intake
B.Tech (Information Technology)	4Yr	180
M.Tech (Computer Networks and Information Security)	2Yr	18

Curriculum

- Semester system in all the programmes
- Syllabi of all the programmes is regularly revised and updated in consultation with various stakeholders.
- Latest revision of syllabi has been conducted during Academic Session 2015-16.

Teaching Learning Methodologies adopted and practicing.

<ul style="list-style-type: none"> • WIT & WIL (Outcome based Teaching & Learning methodology) • Course Projects • Story Board • Learning by Doing (Activity based Learning) 	<ul style="list-style-type: none"> • Technical Presentations • Assignment Tests • Guest Lectures • Case Studies • Institute and industry Interactions
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Research areas the department actively engaged.

<ul style="list-style-type: none"> • Bio Informatics • Temporal Databases • Internet of Things • Deep Learning 	<ul style="list-style-type: none"> • Image Processing • Information Security • Machine Learning • Soft Computing
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- Data mining and ware housing
- Software Engineering
- Network Security
- Text Processing

Faculty Publications

S.No	Indexed publication in (SCOPUS, Web of Sciences etc.)	2016-17
1	SCOPUS	15
2	Web of Sciences	13
3	SCI	13
4	Google6bn	15
5	Science Citation	02

Research Projects and Funds received by DRDO/UGC/AICTE in last 5 years.

S. No	Sponsored Agency	Duration	Title of the Project	Cost
1.	DRDO (Dr.G.Madhu)	Two years 2015-17	Development of a machine learning based algorithm for computer aided-diagnosis malaria	7, 75,000/-
2.	DRDO (Dr.N.Managa Thayar)	Two years 2014-16	Development of a tool for the management of diabetes mellitus	9,03,000/-
3.	UGC Minor (D.Kalyani)	Two years 2014-16	Identity Based Short Signature Without Using Random Oracles	3,20,000/-
4.	AICTE (RPS) (D.Srinivasa Rao)	Two years 2011-13	Image Fusion using Fuzzy and Neuro Fuzzy Logic	3,50,000/-
5.	AICTE(FDP) (Dr.N.Managa)	June 2013, 2 week	AICTE Sponsored FDP on Recent	6,09,000/-

	Thayaru)		Trends in Cloud Computing during 3rd -15th June. 2013	
6.	AICTE(FDP) (Dr.N.Managa Thayaru)	June 2011, 2 week	Recent Trends in Networking & Security during 13th – 26 June, 2011	6,00,000
7.	AICTE (MODROBS) (Dr.G.Suresh Reddy)	2011	Networking	10,00,000/-

International Visits by Faculty members.

S.No	Name of the Faculty	2014-15	2015-16	2016-17
		(Place of visit & purpose with Date)		
1	Dr. G. Suresh Reddy	University of Ruse, Bulgaria CompSysTech-27 June 2014 and got the best paper award	-	-
2	Dr. G.Madhu	National Research University, Moscow, Russia, ITQM-2014, 5th June-2014	-	-

3	Dr. N.Mangatayaru	-	Kamerburg az University, Istanbul, Turkey ICEMIS 2015, Sep 23-25, 2015	IBN Zohar University, Agadir, Morocco ICEMIS 2016, Sep 22-24, 2016
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Department Achievements

❖ **Student Achievements**

M.Tech(CNIS) 5 students completed External Viva

One of Alumni started his own startup called "mroads" and we have done MOU with it

❖ **Staff Achievements**

❖ Dr.N.Mangathayaru, Prof of IT department has chaired a conference talk titled Bio-Informatics in the 2nd international conference on Computational Intelligence & Informatics held during 25th-27thSeptember 2017.

❖ Dr.G.Madhu, Associate Prof of IT department has chaired a conference talk titled Data Mining & Big Data in the 2nd international conference on Computational Intelligence & Informatics held during 25th-27thSeptember 2017.

❖ D.Srinivasa Rao, Associate Prof of IT Department received Ph.D from JNTUK

❖ 1. Dr D Srinivasa Rao/Assoc.Prof/IT has reviewed manuscript, entitled "Type 2 Fuzzy Based Image Enhancement for Bio-Medical Applications" for IETE Journal of Research.

❖ 2. Dr D Srinivasa Rao/Assoc.Prof/IT has received PhD Original Degree at JNTUK kakinada 6th convocation on 23/01/18

❖ 1. Dr.G.Suresh Reddy, HOD deputed as a subject expert for JNTUH SCM interviews (CSE and IT) at Vardhaman Engineering College, Hyderabad on 16/02/18

❖ 2. Dr.D.Srinivasa Rao, Associate Prof deputed as a subject expert for JNTUH SCM interviews (CSE and IT) at IARE, Hyderabad on 18/02/18.

❖ 3. Dr.G.Madhu, Associate Prof deputed as a subject expert for JNTUH SCM interviews (CSE and IT) at Vidhya Jyothi Engineering College, Hyderabad on 18/02/18

❖ I.Pavan Kumar, Asst Prof Received Certificate of Excellence for being **in top 241 performers from a total of 5308 participants** in two 2-week FDP's titled "Foundation Program in ICT for Education" and "Pedagogy for online and blended teaching-learning process" conducted by IIT Bombay from 14th September 2017 to 12th October 2017.

Certification courses offered by the department

The Department offers various certification courses to its students and also coordinates other departments in the college in conduction of the same courses.

<ul style="list-style-type: none">• Java Programming.• Oracle Database (SQL and PLSQL).• Data Analytics.• Cloud Computing.	<ul style="list-style-type: none">• Networking.• Databases• Microsoft Technologies.• Machine Learning.
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Events held in the department

- Organized a Training Program on EScan Antivirus on 12.07.2017 by Mr R B R Sharma, Sr. Research Manager, EScan for network team of IT Dept.
- Organized a Guest Lecture on common android API's on 13-07-2106 by Mr.sujitmajety, Techniucalhead Techfort S/W PvtLtd, Hyderabad for M.tech(CNIS) students.
- Organized a Guest Lecture on Projects and career guidance on 05-08-2016 by Naveet, alumni for final year IT students.
- Organized a Guest Lecture on Suggestions & Tips for TCS Placement Interviews on 29-08-2016 by C.Aswitha Reddy, Alumnifor final year IT student.
- Organized a Guest Lecture on ethical hacking on 17-09-2016 by Zoom, Technologies and Mr. Raghu, Assistant CTO, Zoom Technologies for 3rd and 4th year IT students.
- Organized a Guest Lecture on Projects and career guidance on 05-08-2016 by Amit Bansal, IIIT Hyd for final year IT students.
- Organized a guest lecture by K.Sai Siva Kumar, Carrot Monk Technosoft Pvt. Ltd on robotics on 15.10.2016 for 2nd IT students.
- Organized a guest lecture on Inner Engineering technique- "Personality Development Through refinement by Mr.Deepak, Associate Director, Optum on 22.10.2016 for 3rd IT & CSE students.

- Organized a Guest Lecture on Online Courses by DurgaRaju, IT Varsity on 28.10.2016 for IV IT Students.
- Organized a Guest Lecture on Overview of Level Product by C.Aswitha Reddy, Alumni on 5.11.2016 for III & IV IT students.
- Organized a Guest Lecture on HADOOP & Map Reduce by R.V.V.Subramanyam, NIT, Warangal on 5.11.2016 for III & IV IT students.
- Organized a Guest Lecture on Understanding Landscape of Data Analytics bySharatKonatham on 28.12.2016 for 3rd and 4th years of B.tech.
- Organized a Guest Lecture on Programming in Oracle PL/SQL by S.Rajeshkumar on 17.01.2017 for 3rd B.Techstudents.
- Organized a Guest Lecture on Networks by SrikanthDarisi on 23.01.2017 for M.techstudents.
- Organized a Guest lecture on Understanding Landscape of Data Analytics on 28.12.2016 for IV & III B.Tech IT Students.
- Organized a Guest Lecture on Programming with PL/SQL on 17.01.2017 for III B.Tech IT Students.
- Organized a NPTEL Online Certification Course(NOC) on 19.01.2017 for II B.Tech ITstudents.
- Organized a Seminar on Business English Certificate Orientation on 29.12.2017 for II B.TechStudents.
- Organized a Work shop on Cloud Computing on 05.01.2017 for III B.TechStudents.
- Organized a Workshop on Internet of Things on 05.01.2017 for II B.TechStudents.

Events attended by faculty

- An event on Technology day was attended by B.Mathura Bai, Associate Prof whichisorganized by VNRVJiet whichisatJP Morgan university outreach program held on 30-07-2016.
- An event on Oracle Academy Open Day was attended by G.Naga Chandrika, Asst Profwhichisorganized by St.Martins Engineering College, Hyderabad organized by TASKheld on 19-08-2016.

- An event on Faculty Development Program was attended by K.Renuka at TCS, Gachibowli organized by TCS held on 22-08-2016 & 24-08-2016.
- An event on Faculty Development Program was attended by Y.Usha Rani, Asst Prof at TCS, Gachibowli organized by TCS held on 22-08-2016 & 24-08-2016.
- A conference on IoT was attended by G.NagaChandrika, Assistant Professor at ITC Hotel, Hyderabad organized by CII held on 27.10.2016
- An event was attended by G.Madhu, Associate professor on Associate Analytics and security analyst master training program by NASSCOM at JNTU, Hyderabad held on 28.10.2016
- A technical seminar was attended by K.Renuka, Asst Prof at C-DAC, HYD held on 19.11.2016.
- All Faculty attended an Interactive session by P.N.Singh, CE, VNRVJIIET held at VNR VJIIET on Research, Academia. & Profession on 03.01.2017
- A.Revathi, Asst Prof has attended a seminar on Understanding, Creating and Sharing OER by H&S dept of VNR VJIIET on 19.01.2017
- D.Kalyani, Asst Prof has attended an event on FDP at NIT, Warangal on Foundations on Cryptography on 19.12.2016 - 30.12.2016
- D.Kalyani, Asst Prof attended International Conference ICACCI-2016 held at Jaipur on Sept. 21-24 2016 and did paper presentation.
- Dr.N.Mangathayaru, Professor attended International Conference ICEMIS-2016 held at Agadir, Morocco on Sept. 22-24 2016 and did paper presentation.
- G.Rajesh Kumar, Sr.Asst Prof attended International Conference ICEMIS-2016 held at Agadir, Morocco on Sept 22-24 2016 and did paper presentation
- N.Arun, Asst Prof attended International Conference ICEMIS-2016 held at Agadir, Morocco on Sept 22-24 2016 and did paper presentation.

Faculty publications

- "Robust Distributed Key Protocol for IBE" is presented by D.Kalyani, Asst Prof at IEEE which is held on 21-24 sept 2016.
- D SrinivasaRao/Assoc.Prof/IT published a paper on Securing Data and Revocation of Users in Cloud Computing in the journal IJIRCCE is held on September 2016.
- D SrinivasaRao/Assoc.Prof/IT published a paper on Satellite image fusion using fuzzy logic in the journal Acta Univ Sapientiae Informatica on Dec-2016

Students sponsored for various events

- final year IT students attended an event on JP Morgan Chase- University Outreach Program Conducted Technology Day which is held on 30-07-2016
- Final year IT students attended an event AMCAT exam by Aspiring Minds which is held on 02-08-2016
- Final year IT students attended an event Deloitte Branding Session which is held on 04-08-2016.
- Final year IT students attended an event on Lecture on Course Structure & Regulations which is held on 05-08-2016
- Final year IT students attended an event on Lecture on Future Trends in IT which is held on 05-08-2016
- Final year IT students attended an event on Guest Lecture on Projects & Career Guidance which is held on 05-08-2016
- Final year IT students attended an event on test for placements CoCubes Pre assessment which is held on 06-08-2016.
- Final year IT students attended an event on Deloitte pre assessment test for placements which is held on 08-08-2016.
- Final year IT students attended an event on Seminar on C&DS by TCS which is held on 10-08-2016.
- Final year IT students attended an event on Microsoft online test conducted by Cocubes which is held on 11-08-2016.
- Final year IT students attended an event on TCS Workshop on employability skills and technology expectations which is held on 12-08-2016.
- Final year IT students attended an event on Microsoft Pre placement talk which is held on 16-08-2016.

- Final year IT students attended an event on QEEE class on Cloud Computing which is held on 16-08-2016.
- Final year IT students attended an event on QEEE class on Cloud Computing by Dr.S.C.Gupta, IIIT, Delhi which is held on 17-08-2016.
- Final year IT students attended an event on JP Morgan written test which is held on 22-08-2016.
- Final year IT students attended A Guest Lecture on Suggestions & Tips for TCS Placement Interviews which is held on 29-08-2016.
- First year IT students attended A Talk on “Entrepreneurship Skills” which is held on 10-09-2016.
- All IT students attended A Talk on Launch of IT Sectoral Policy at HICC, Hyderabad which is held on 15-09-2016.
- Final year & third IT students attended A Guest Lecture on “Ethical Hacking Counter Measure Expert(EHCE)” which is held on 17-09-2016.
- Final year IT students attended A Guest Lecture on Struts Framework which is held on 17-09-2016.
- Third year IT students attended A hackathon event IBM include geektech on 01.10.2016.
- Second & third year IT students attended A Guest Lecture on Data Structures & Optimization held on 01.10.2016.
- Second year IT students attended A Guest lecture on robotics held on 15.10.2016.
- Third year IT students attended Guest lecture on Inner Engineering technique- “Personality Development Through refinement” held on 22.10.2016.
- Third & final year IT students attended a Guest lecture on “Big Data Analytics” held on 5.11.2016.
- Third & final year IT students attended a Guest Lecture on “HADOOP & MAPREDUCE” held on 5.11.2016
- Third & final year IT students attended a Guest Lecture on Overview of Product: LEVEL held on 5.11.2016.

- M.Tech CNIS Ist year students attended a Technical seminar on "Emerging Trends in Computing & Security", C-DAC,Hyd on 19.11.2016.
- Third year IT students attended a Training session on IBM's Free academic Initiative event by persistent team held on 22.12.2016
- First Year IT Students attended an event on Inspirational Talk by RoshanSubudhi. C, Alumni, Software Developer, Nike Inc Portland, Oregon,USA held on 27.08.2016
- First Year IT Students attended an event on "Entrepreneurship Skills" by C.Aswithareddy, Entrepreneur C. Suchitra Reddy, Entrepreneur, P.Satish, Software Engineer, CapGemini held on 27.08.2016

Student association activities

- An event "Matrixing" held by IT Association on 20-09-2016.
- An event "Freshers party" held by IT Association on 20-09-2016.

Certification courses

- Certification course on Advanced Java Programming for III year

Industrial visits

- III & II B.Tech students attended Industrial Exhibition at Novatel on 24.01.2017.

Show & Tell

- D.Shiva Kumar |4071D7803 demonstrated on Securing data and Revocation of users in cloud computing on 27.12.2016 and numbers of participants were 30 and students are able to gain practical knowledge.
- R.Sambashiva |4071D7808 demonstrated on Detection of packet losses in a network by using collision network on 28.12.2016 and numbers of participants were 33 and Students are able to gain practical knowledge.
- B.Bhavana Harshini |5071D7801 demonstrated on Key Exchange Protocols for PNFS using KERBEROS and LIPKEY on

23.01.2017 and numbers of participants were 44 and Students are able to gain practical knowledge.

- G.Dinesh Kumar I5071D7817 demonstrated An Approach for Privacy Preserving and similar Text Identification on 24.01.2017 and number of participants were 40 and Students are able to gain practical knowledge.
- T.SriKanth I5071D7809 demonstrated on A Novel SVM-KNN-PSO Ensemble method for Intrusion detection system on 25.01.2017 and numbers of participants were 35 and Students are able to gain practical knowledge.

Placements in the last A.Y (2016-17)

S.No	Company	No. of Students	CTC per Annum (in Lakhs)
1	CAP GEMINI	1	3.30L
2	NTT DATA	4	3.50L
3	VIRTUSA	1	4.50L
4	CSC	1	3.00L
5	HYUNDAI MOBIS	1	3.00L
6	INCESSANT	5	3.70L
7	INRITHEM	6	3.15L
8	TECH ASPECTS	2	2.80L
9	IBM	2	5.00L
10	AMAZON	1	2.75L
11	MROADS	1	3.33L
12	CYIENT	1	3.30L

13

TCS

4

3.50L

Future Plans:

- To pursue research work in specified domains like data mining, image processing, machine learning, software engineering, temporal databases and network security.
- To get funds from funding agencies like DRDO, DST, UGC and AICTE.
- To get NBA accreditation for 5 Years.
- To strengthen the faculty and students in emerging technologies by conducting FDPs, workshops and seminars.
- To strengthen the department in academics, placements and research activities.

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