

Frequently asked questions

What is the branch significance? What is it all about?

- **Information technology (IT)** benefits the business world and it allows organizations to work more efficiently and to maximize productivity and so on. In business, people look for ways to do more work in a shorter amount of time and it should be only possible through the development of **Information Technology**.
- IT Branch introduced many new subjects to meet the current trends, AI, Introduction to Data Analytics, Business Analytics ,IOT, Cyber Security and Machine Learning

What are the job opportunities in this branch?

S.No	Company	CTC Per Annum (in Lakhs)
1	AMD	13LPA
2	Microsoft	11LPA
3	Delloite	7.4LPA
4	TCS(Digital)	7LPA
5	NCR	7LPA
6	Capgemini (Senior Analyst)	6.8LPA
7	Epam	6LPA
8	MAQ	6LPA
9	DMR	5.5LPA
10	TA Digital	5LPA
11	LTI	5LPA
12	AUDINTEL	5LPA
13	CTS	4.5LPA
14	Persistent Systems	4.4LPA
15	Capgemini(Analyst)	3.8LPA
16	Infosys	3.6LPA
17	TCS(Ninja)	3.6LPA

Students from IT are involved in many sectors such as Data Scientists (V.Sai Gayatri), Entrepreneurs (Rashvitha), Web Developers (Srikanth-2008 Graduated), Project Manages(Sai in Microsoft)

What is the significance of NBA accreditation?

This accreditation helps students to get better opportunities for higher studies in Good universities, also recognition for graduation and better job opportunities

- The **accreditation** of NBA helps higher educational institute to know its strengths, weaknesses and opportunities. **NBA accreditation** helps institutes to get financial assistance from government agencies, private bodies etc. The **accreditation** gives higher learning institutes a new sense of direction and identity
- The Department is accredited 3rd time by National Board of Accreditation (NBA New Delhi) for 3 years in 2016.
- The institute is NAAC accredited with "A++" Grade under autonomous status.

Which rankings have to be considered as genuine? What is NIRF?

In Telangana we are in 2nd position and in JNTU affiliated colleges we are in 1st Position

National Institute Ranking Frame work-- rankings are considered to be genuine

Accreditation VS Ranking:

- Accreditation is a 5-year comprehensive assessment of the institution as a whole.
- Ranking is a yearly affair.
- Accreditation gives absolute grade; ranking is relative to the other institutions which are similarly placed.

How many sections are there in the Department? How many students are there in each section?

3 Sections for each year

Total 12 sections and 60 students for each section of first year and 66 students for each section for 2nd, 3rd, 4th year.

What is the strength of your faculty? How many professors are there in the Department?

1. There are total 42 Faculty, where in 10 PhD holders are their and 25 Faculty are pursuing PhD
2. Many Research projects carried out.
3. Many Publications in WoS, SCI, Scopus.

Does the Department have any Collaborations with industry?

Industries joined hands with VNRVJIET

- Oracle
- TCS
- mRoads
- Brain O Vision,
- RVJ Techno Solutions,
- ITVersity

They provide: Internship, Industrial Training and certification courses and also Placements

Any kind of projects/ Research/consultancy going on in the Department ?

S. No	Project title	Funding Agency	Principal Investigator	Dept	Sanction Date	Sanctioned amount (Inlakh)	Duration	Status
1	Image fusion using Fuzzy and Neuro fuzzy logic	AICTE (RPS)	D.Srinivasa Rao	IT	31.3.2011	3,50,000	2 Years	Completed
2	ID Based Short signature with out using random ORACLES	UGC MINOR	D.Kalyani	IT	March 2014	3,20,000	2 Years	Completed
3	Development of tool for Management of Diabetes Melitious	DRDO	Dr.N.Mangat hayaru B.Mathurabai	IT	8 Jan 2015	9,03500	2 Years	Completed
4	Design and development of Machine learning based Algorithm for Computer aided Diagnosis of Malaria	DRL Tezpur Assam	Dr.G.Madhu	IT	March 2015	7,75,080	2 Years	Completed
5	Automatic	JNTUH	Dr G.Madhu	IT	22 nd July	3,00,000		Ongoing

	Diagnostic model for detection of Malaria parasites from Microscopic images	(Under TEQUI P-3)			2019			
6	To Analyze the Fingertip the aiding the diagnosis of cardio-pathies using PPG	JNTUH (Under TEQUI P-3)	Dr N.Mangathay aru	IT	22 nd July 2019	3,00,000		Ongoing
7	Machine Learning Approach for plant disease identification using leaf images	JNTUH (Under TEQUI P-3)	Dr D.Srinivas Rao	IT	22 nd July 2019	3,00,000		Ongoing

Which Syllabus is followed in the institute?

We have Open electives and students get exposure to other important domains

Presently R19 syllabus for 1st and 2nd year students

R18 syllabus for 3rd year

R15 syllabus for 4th year students

In R18 regulation onwards we have Choice Based Credit System (CBCS)

The CBCS permits students to

1. Choose electives from a wide range of elective courses offered by the departments
2. Undergo additional courses of interest.
3. Adopt an interdisciplinary approach in learning.
4. Make the best use of expertise of the available faculty

Any advantage of having an Autonomy status?

We have Open electives and students get exposure to other important domains

Autonomy is a functional **status** given to the colleges, by the University Grants Commission and University. It provides greater flexibility towards purely academic development for upliftment of academic standards and excellence.

How will exams be conducted? What is the weightage for internal & external exams?

1). The Institute follows semester system for both B.Tech and M. Tech programs and the performance of a student in each semester shall be evaluated subject wise with a maximum of 100 marks for theory and 100 marks for the practical subjects. In addition to the theory and practical subjects, an industry oriented mini – project, seminar, comprehensive viva-voce and project work will have a weightage of 50, 50, 50 and 200 marks respectively.

2).The evaluation of theory and practical subjects is based on continuous internal and semester end external examinations. The institute will modify the Academic/Examination regulations from time to time for enhancing the quality of education.

3). A candidate shall be deemed to have secured the minimum academic requirement in a subject if he/she secures a minimum of 35% of marks in the end semester examination and a minimum aggregate of 40% of the total for the B.Tech Program and 40% and 50% respectively for the M.Tech. Program.

4).The B. Tech student has to earn 160 credits (apart from the non- credit courses) and an M. Tech student has to earn 68 credits to satisfy the minimum academic requirement to obtain the degree. Marks obtained in all the credits are considered for the calculation of CGPA.

What about the internship opportunities for the students?

Students are getting Internship opportunities with stipend for month from leading companies such as

1. Microsoft
2. Amazon
3. JPMorgan
4. TCS
5. mRoads
6. Brain O Vision
7. RVJ Techno Solutions
8. ITVersity

How is the Academic Performance of the students ensured?

Mentoring of each student is handled:

1. Each faculty mentors 20 students
2. Every week, one MTP hour is there
3. In MTP hour faculty finds out the problems of academic and other issues of student and guides the student

Placement Coordinator Questions & Answers

What kind of jobs lie ahead for students from this branch?

Consulting, Product Development, IT Services and Design

How is the Demand supply ratio for the students of this branch?

All the eligible students (Without any backlogs) are placed in Reputed Companies For more information please visit the following link.

<http://www.vnrvjiet.ac.in/placement.php>

Who are the major recruiters in this domain?

Microsoft, Capgemini, Deloitte, JPMC, NCR, Amazon, DBS, LTI and many more. For more information please visit the following link.

<http://www.vnrvjiet.ac.in/placement.php>

How are the pay perks?

Salary Packages are ranging from minimum 3.6LPA to 15LPA.

How are students trained for placements in the institute?

Students will be trained from Second year onwards.

For 2nd year Competitive Coding skills, ML Using Python, Mean-Stack and Data Science

For 3rd year Advanced Competitive Coding skills, Front-end Technologies, Aptitude and Company Specific technical training.

Who are the recruiters for students of this branch in the institute?

Microsoft, Capgemini, Deloitte, JPMC, NCR, Amazon, DBS, LTI and many more. For more information please visit the following link. <http://www.vnrvjiet.ac.in/placement.php>

Do you involve experts from outside in training the students?

Yes. We are offering Aptitude, Company Specific training, and Competitive Coding training from outside experts.

What is the industry feedback about students placed from the institute?

As per Industry feedback, Our students are exhibiting high quality with respect to Team Spirit, Interpersonal Skills, Meeting Deadlines, Punctuality, Productivity, Commitment to work, Flexibility to work, Understanding level of Engineering concepts ,Adaptability to new Technology, Ability to interact with diverse group, Communication & leadership skills.

How are competency development skills built among students?

By Conducting Bootcamps, Technology fests, Hackathons (Software, hardware and coding), Weekly Alumni Interactions, Open house(Student Project Exhibition)

What is the trend of core job placement in this domain?

Trending jobs: Data Engineer, Web developers/UX engineers, Mobile Application Developers, Devops Engineer.

How is Academic curriculum tuned in accordance with industry needs?

To meet the Industry requirement, following courses are included in curriculum. AI/ML, Data Science, Cyber Security, Quantum Computing, Natural Language Processing. Time to Time changes will be done to meet the industry needs.

What are the thrust areas that students need to work on, in this domain?

Machine learning, AI & Deep learning, Natural Language Processing, Block-chain Technologies and Web-Development.

What are the significant placement records in this branch?

Our students are offered an annual package of 15 Lakhs.

Average Salary over last 5 years has been increased from 3.5LPA to 5LPA.

How do you map the trainings offered and the placements obtained?

As per the Industry needs, we are offering

Competitive Coding training, ML Using Python, Mean-Stack , Data Science, Front-end Technologies, Block-chain technologies and Company Specific technical training.

What is the high est pay package offered so far in this branch?

15LPA (Microsoft, JPMC)

What is the Oncampus placements ratio?

Every year,90 Percent of our students will be placed in on Campus drives.

What are the contemporary thrust areas which come under this branch?

Text Mining, Algorithms Development, Machine Learning, Deep Learning, Artificial Intelligence, Cyber Security, Data Science, IoT, Cloud Computing, Computer Forensics, web engineering, Information system, information security, mobile communication, soft computing, digital signal processing, speech recognition, computer vision and expert systems

How can students diversify after completion of this course?

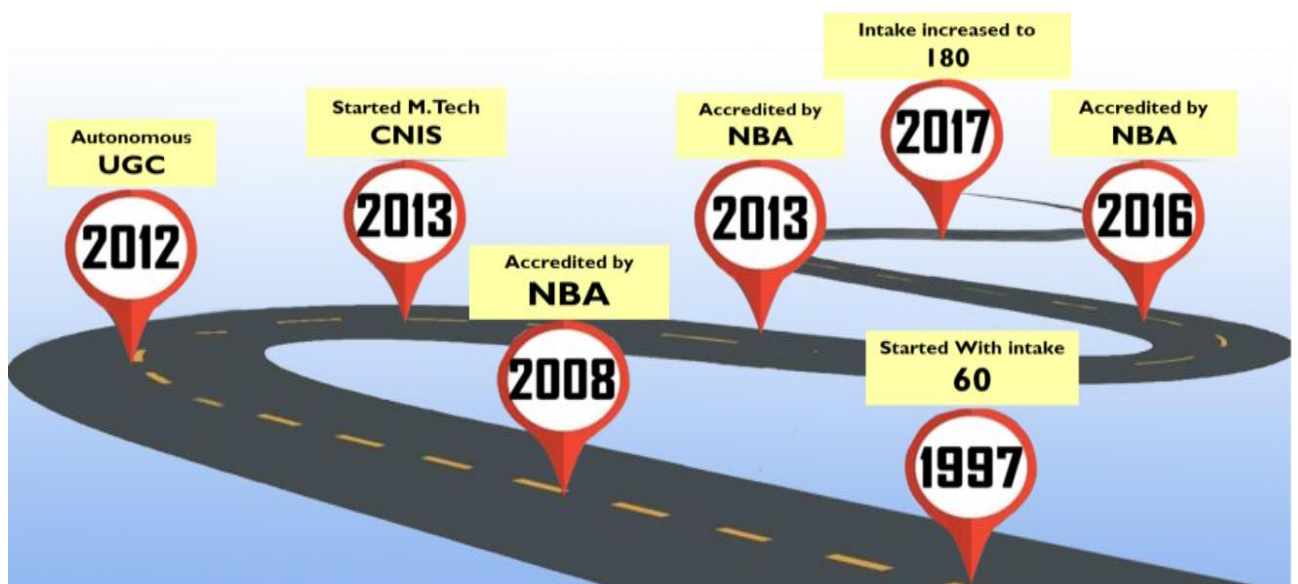
Computer Programmer in AI/ML/DL Technologies, Data Scientist, Web Designer, Data Engineer, Data Analyst and Data Architect, Database Administrator, Database Designer, Datawarehouse Designer, Network Administrator, Network Architect, Network Engineer, Project Manager, Quality Assurance Specialist, Software Engineer, System Administrator.

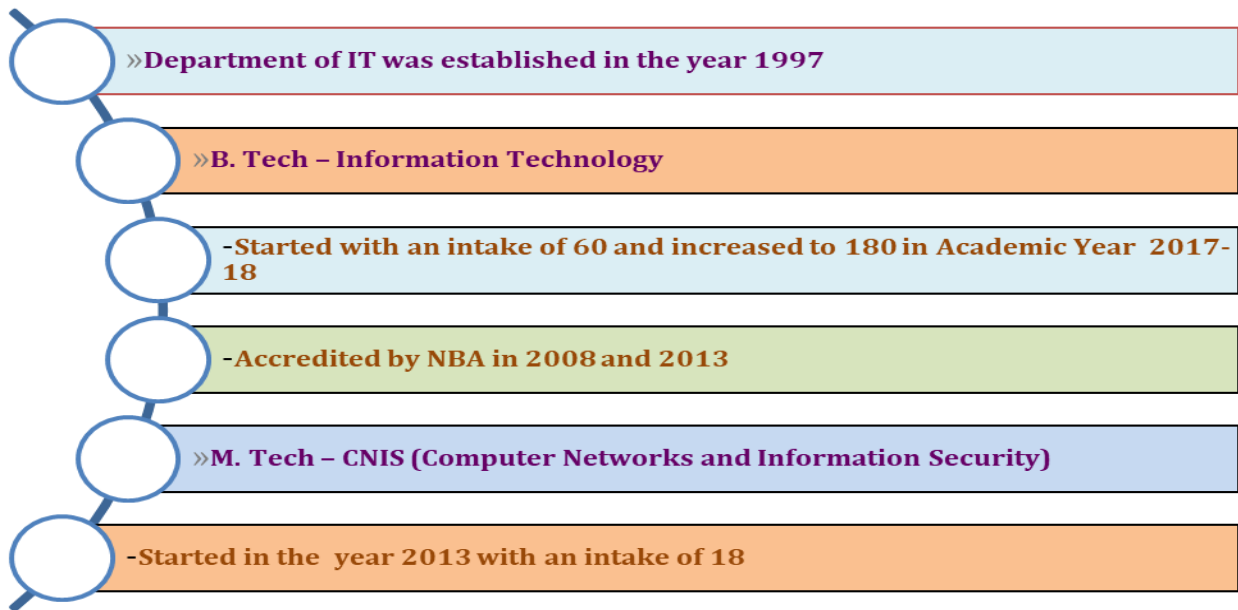
What is the skill set expected of the students passing out from this branch?

Excellent communication skills, Design Skills, Programming Skills, Administrative skills, Managerial skills, Organizational skills, Analytical skills, Technical skills

What is the evolution that can seen with respect to branch potential?

Milestones





What are the domains of expertise of the faculty in the Department? Experienced faculty?

❖ Bio-Informatics
❖ Image Processing
❖ Machine Learning
❖ Data Mining
❖ Text Mining
❖ Cloud Computing
❖ Network and Information Security
❖ Cyber Security
❖ Algorithm and Computation Theory
❖ Deep Learning
❖ Natural Language Processing
❖ Software Engineering
❖ Data Analytics
❖ Artificial Intelligence
❖ Internet of Things

How is discipline maintained in the institute?

- Maintains discipline in the institute by corrective or punitive action against acts of indiscipline and disruption by the students in the institute premises
- Counsels the indiscipline students
- Counsels the students about ill-effects of ragging, enlightens the students on the consequential administrative and legal implications.
- Monitors the movement of the students in the college and prevent students loitering around in the corridors during the college working hours.
- Ensures that all the students attend classes without bunking & prevent the students from leaving the college early
- Maintains proper discipline in the college canteen, student waiting room, corridors and canteen during the college working hours.

Any ragging preventive measures?

- Assists the college anti-ragging committee in preventing ragging in the College and to spread anti- ragging campaign throughout the student's community.
- Ensures that at least one faculty member will be present at any particular time at all the locations to avoid ragging activities.
- Takes precautions to avoid ragging activities at other locations like bus stops and gives instructions to the student volunteers and secret informers at various boarding points.
- Canvases about anti-ragging in the forms of Flexes, Posters and Boards in college premises and surrounding areas where there is a chance of ragging.
- Arranges counselling and guidance programs arranged for the fresher's and parents regarding ragging.
- Takes affidavits from the students and parents regarding Ragging during the Admission.
- Provides helpline details inside and outside college premises.
- Resolves the complaint received from the victim
- Verifies the facts through enquiry
- Awards disciplinary action against culprit.
- Ragging is strictly prohibited and is a criminal offence. If any student is found involved in RAGGING, appropriate action will be taken and the student will be expelled from college and hostel without any notice. He / she will not be eligible for admission into college and hostels again.

How does collaborations with industry help the department?

- Assists in bringing the R&D Projects from Research Organizations
- Guides in getting financial support from industry the R&D Projects from Government organizations which include DST, CSIR, UGC, AICTE etc.
- Assists in bringing the R&D Projects from Research Organizations
- Facilitates in marketing the consultancy services offered by departments
- Arranges industrial visits, internships and industrial tours
- Involves industrial experts to be on college Governing council, Academic council, BOS, Department Development committees, Training and Placement committee, etc.
- MOUs with industry for the purpose of training, placements, internships, for utilizing the services for entrepreneurship development programs
- Organizes student and Faculty Training at the Industry
- Assists in bringing in sourcing live projects to be done by Final Year B.Tech and M.Tech Students
- Tie-up with the Industry to implement Virtual development centre
- Plans and implements the Entrepreneur development programs within campus.

Any societal impact projects which have been done by the Department?

- Involve students and faculty in innovating research projects linked with industry and academia.
 - Conduct interdisciplinary research in cutting-edge technologies
 - Improve the work ethics and make student more responsive to the needs of the society
 - To enhance the student's overall understanding and appreciation of research by sharpening the student's practical laboratory skills.
 - To upgrade the student's ability to collect, analyze and interpret experimental data.
1. Healthcare Domain-Malaria Detection, Monitoring Circulatory System through Finger Tip
 2. Agriculture Domain-Plant Disease Detection, Precision Agriculture
 3. Smart Parking System- Mobile App for Parking System
 4. Satellite Image Classification.

Any advanced labs/ projects on which students are given opportunity to work?

- Machine Learning and Deep Learning Lab
- Android Application Development Lab
- Network Security Lab
- Data Science Lab

What do you mean by certified courses? Give some course names

To introduce value added courses/ certification courses which are required to meet industry needs

- Being Zero, Data Science, Machine Learning, Python Programming, Smart Interviews, Full Stack Development, Mobile Application Development and Cyber Security Vulnerabilities.

Will students be visiting the industries for field visits? Name some industries

Arranges industrial visits, internships and industrial tours to explore in respective domains

TCS

INCOIS

CYIENT

CSIR-NGRI

mRoads

MindQ Sytems Pvt Ltd

COCA-COLA Company-Automation

How are students kept abreast about the latest technologies?

Through valueadded courses, workshops, certification courses, coding contests, hackathons, technical fests, paper presentations and guest lectures which are required to meet industry needs.

How is Department students' academic performance in comparison with other branches?

IT department provides an environment that encourages and celebrates academic excellence, individual initiative and responsibility as students make progress toward their educational goals. It outlines the commitment to academic performance expected of all students and the consequences for unacceptable academic performance.

- Build excellence in the educational system to meet the knowledge challenges of the 21st century and increase competitive advantage in fields of knowledge.
- Design curriculum with state-of-the-art courses relating to the latest scientific and technological knowledge and incorporating the anticipated future developments.
- Increase Interdisciplinary interactions among faculty and students and outside world on the upcoming technologies and the changing needs of the society.

What are the various platforms available for a student to showcase their talent?

- Academics Assessments
- Technical Fests
- Coding Contests
- Hackathons
- Paper Presentations
- Open House Project Expos
- Internships
- Course Based Projects
- Mini Projects
- Major Projects

Are students allowed for external competitions? Any examples?

Yes, Allowed to participate in National and International (through online platform) competitions like

- Coding Contests, Hackathons, Idea/Paper Presentations and Technical Fests

What are professional chapters? How will membership in them help the students?

The activities of the **IEEE,CSI,ACM** Chapters includes Seminars, Tech Talks, Orientation for Freshers, Women-in-Engineering related tasks, paper presentation, technical competitions, Workshops and Technical Symposia, Certification Courses & Guest Lectures to keep faculty and students updated with latest developments in various technologies. Every year we conduct a National Level Technical Symposium Convergence. The students under the society are moulded into competent software professionals, to face the challenges of the different sectors.

Other Questions

What is the Difference between CSE and IT?

Computer science engineers are involved in many aspects of computing, from the design of individual microprocessors, personal computers and supercomputers to circuit designing and writing software that powers them.

Information Technology deals with the use of electronic computers and computer software to store, protect process, transmit and securely retrieve data. IT professionals perform a variety of tasks that range from installing applications to designing complex computer networks and information databases.

Career scope:

CSE: Job openings for Software professionals is much higher in the corporate sector than in public sector. Professionals can join as junior programmer, database administrator, junior network manager, Data Analyst, Software Developer, Software Engineer, and Client-Server Systems Manager etc in the initial stage. Students have job opportunities at organizations like IBM, Intel, HP, TCS, INFOSYS, WIPRO, TECHMAHINDRA, CTS and Dell in India and abroad.

IT Career option: IT Specialists are required in almost all range of employment fields such as finance, arts, medicine, defence, and other areas. Many opportunities are available in various IT firms all over India. Some of the leading IT Companies are Infosys, TCS, Wipro, Accenture, HCL Infotech, IBM, etc.

The major difference between both these field is that IT deals with the application of computing technology to real life processes, while Computer Science deals with the science that facilitates these applications. To make it short and simple, Computer Science is the creation of software and hardware by using different programming skills. On the other hand, IT is just the selection of the proper software or hardware for the task.

Is there any Syllabus difference between CSE to IT

Difference in course and core areas:

CSE: Computer Science engineering students study about design, implementation, and management of information system of both software and hardware processes. Students pursuing computer science study: Algorithms and Data Structure, Architecture, Artificial Intelligence and Robotics, Database and Information Retrieval, Human-Computer Communication, Numerical and Symbolic Computation, Operating Systems, Programming Languages and Software Methodology and Engineering.

IT: Information Technology deals with installation, development and implementation of computer systems and applications. Under this stream, students learn the following: Data Structures and Algorithms, Microprocessors and Interfacing, Computer Communication and Networking, Database Systems, Internet Technologies and Applications, Software Engineering etc.

What about Placement opportunities in IT?

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14	Persistent Systems	4.4LPA
15	Capgemini(Analyst)	3.8LPA
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What are the different Research Activities in IT?

S. No	Project title	Funding Agency	Principal Investigator	Dept	Sanction Date	Sanctioned amount (Inlakh)	Duration	Status
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	Computer aided Diagnosis of Malaria							
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What about Internships and final year Projects of IT?

Company Name	Company Sector	No Of Students
AMD	IT	1
AUDINTEL INDIA PRIVATE LIMITED	IT	2
Capgemini	IT	2
Cognizant Academy	IT	2
EPAM System	IT	1
EVERY DAY MADE EASIER	IT	4
INTRINSIC IT SOLUTIONS PVT LTD (DMR)	IT	2
KELLY	IT	2
MAQ software	IT	1
STORYtech	IT	2
TCS Accelerator	IT	3
THOMSON REUTERS	IT	1
Urban Rider	IT	1

What are the different MOU's in IT?

Industries joined hands with VNRVJIET

- Oracle,
- TCS ,
- mRoads,
- Brain O Vision,
- RVJ Techno Solutions,
- ITVersity.

How trainings and certificate courses are handled in IT?

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

- Java Programming,
- Oracle Database (SQL and PLSQL).
- Data Analytics, Mobile App. Dev.
- Cloud Computing.
- Networking, Databases, Microsoft Technologies,
- Machine learning.

Is there any coding contests and Hackathons programs in IT?

For 2,3,4 th year students- coding contest will be conducted in hacker rank. A dedicated hour is allotted for practice coding in various websites. Every three months hackathon will be conducted to elaborate students' ideas.

What about Hardware and software's available in IT Dept.?

Data Mining and Soft Computing Linux and Shell Programming

Object Oriented Analysis and Design using UML Database Management System

Mobile Application Development using J2ME Web Applications and Web Services Android Application Development

Oracle

IT Workshop

Basic Programming (C, C++). Advanced Data Structures.

Object Oriented Programming with JAVA Design and Analysis of Algorithms.

Is there any Department Library available?

Yes, we have a department library where we can find all referenced textbooks, journals, magazines.

What about ECA and CCA activities in IT?

Students participate in various national sports fest and also actively participate in workshops, paper presentations, paper publications and also S/W Hackathons .

What are the different club activities in IT?

VJ TEATRO — Short Films Club

CREATIVE ARTS — fine art, sketching and many other creative things.

Creative Arts At VNR VJIET

SCINTILLATE — Photography Club

Scintillate-Photography Club - VNR VJIET

CRESCENDO — Music Club

Facebook

LIVE WIRE — Dance Club

<https://www.facebook.com/Livewirevnr>

Stentorian — Literary Club

Stentorian | Facebook

Telugu Sahithi Samithi — తెలుగుకళావేదిక

Dramatrix —Drama Club

What are VNR Differentiators ?

Career Vision	Induction Program	Outcome based Teaching & Learning methodology
MTP	VNR Lab Protocol	Shadow Engineering
Domain Industry Exposure	Cross Domain Knowledge Centres	RCC
Content Development	Development of Rounded Personality	Career Vision Promotion Centre
Finishing School	Institute Calendar	Knowledge asset
Wit and Will Methodology	Project Arcade	Vignana vartha
Time management System	Organization structure	Education Process Re-Engineering

What about Open House contest?

Open House is one of the prolific ideas that VNR VJIET has come up with. It is an open arena for all the students to come up with their creative latent skills. Creativity involves two stages, i.e. conceptualization and actualization. The perfect blend of vision and blueprint of desired outcome leads to successful projects.

What are the different cells in the college?

- PAAC Cell
- CAMS Cell
- Minority Cell
- ED Cell
- GRIEVANCE REDRESSAL Cell
- CNCC

What are the faculty achievements of the department?

- 171 quality publications out of which 136 are indexed in SCOPUS/WoS/SCI, good H and I-10 index by faculty
- Dr.G.Madhu presented a research paper in ITQM2014 at National University, Moscow, Russia
- Dr.G.Suresh Reddy presented a research paper in IACCM2016 at Ruse University, Bulgaria
- Research Projects Funded by DRDO, AICTE & UGC worth of Rs. 24 Lakhs

What we mean by CBCS?

CHOICE BASED CREDIT SYSTEM:

- The Choice Based Credit System (CBCS) enables a student to obtain a degree by accumulating the required number of credits prescribed for that degree. Under the CBCS, the requirement for awarding a degree is prescribed in terms of number of credits to be completed by the students. The number of credits earned by the student reflects the knowledge or skill acquired by him / her. Each course is assigned with a fixed number of credits based on the contents to be learned. The student also has choice in selecting courses out of those offered by the various departments. The grade points earned for each course VNRVJIET R18 CBCS Regulations.
- The CBCS provides the student flexibility in duration to complete a programme of study. The CBCS facilitates transfer of credits earned in different Departments or institutions of higher education in India.
- The CBCS permits students to: 1. Choose electives from a wide range of elective courses offered by the departments. 2. Undergo additional courses of interest. 3. Adopt an interdisciplinary approach in learning. 4. Make the best use of expertise of the available faculty.

What we mean by professional electives and open electives?

Professional Elective Courses: Courses that are discipline-specific

Open Elective Courses: Courses of interdisciplinary nature offered to all the students of various programs across the Institute

What are the different accreditations of college and the department?

NBA has accredited UG-CE programme for 5 years, valid up to 30-06-2021 and UG-CSE, ECE, EEE, EIE, IT, ME programmes for 3 years, valid up to 30-06-2022 from 01-07-2019.

NAAC has accredited the institute with 'A++' grade with a score of 3.73 out of 4.0 in the II cycle

What is Special Interest Groups?

Special Interest Groups (SIGs) are formed in every department and scheduled meetings are organized to enforce all the faculty towards research and publications. As a result of this, no. of Ph.Ds and publications in the institute are increased in number.

Is there any Industrial tours and visits?

Industrial visits are taken for students for exposure of student to outside world, and many visits to TCS, INCOIS, COCO COLA and ISRO

How are FDPs and workshops conducted in the department?

FDP's for every semester break and Guest lectures for each and every month and Workshops for every 3 months are carried out for the upgradation of students in upcoming technologies

How students are mentored by the faculty?

Each faculty mentors 20 students and guides for the student academic and overall development for 4 years

How the classes are conducted by Online mode?

By Google Meet, Google Classroom, Microsoft Teams with correct login credentials to students and faculty, and the recorded videos sent to students for further clarifications. The ppts , materials and assignments are also sent and graded.