

VIJAYA VITTALA INSTITUTE OF TECHNOLOGY

In Pursuit of Knowledge...



PROFESSIONAL EDUCATION WITH A DIFFERENCE

Vision

Emerge as a premier Institute in offering technical education and research opportunities to meet the growing technological needs of the society.

Mission

- To provide a holistic learning ambiance for modern education in engineering blended with ethical values.
- To promote all-round personality development and enhance career opportunities through interaction with alumni, academia, and industry.
- To inculcate a research culture leading to innovators and entrepreneurs.

Vijaya Vittala Institute of Technology (VVIT) is committed to imparting quality education in the domains of Engineering and Technology by focusing on continuous improvement of infrastructure, processes & professionalism.

Quality: VVIT provides an education that leads to acquiring the knowledge and skills necessary to achieve excellence in their academic growth and career goals.

Integrity: The institution is committed to cultivate ethical and responsible behavior among students.

Entrepreneurship and Value Added Education: VVIT engages in entrepreneurship and value added education apart from regular curriculum to achieve personal and professional success.

Innovation: Institution aims to provide an environment of research and development for the societal needs.





Vijaya Vittala Institute of Technology

*Pursue Knowledge with purpose,
seek wisdom with humility.*

~SP

About the Institute

India is a knowledge economy, one that creates, disseminates, and uses knowledge to enhance its growth and development. Vijaya Vittala Institute of Technology believes that knowledge can empower the youth into a national asset by providing proper education and guidance.

Vijaya Vittala Institute of Technology (VVIT) was established by Sri Vijaya Vittala Charitable and Educational Trust, affiliated to Visvesvaraya Technological University, Belgaum and approved by All India Council for Technical Education, New Delhi.

Late Prof. K. Venkatagiri Gowda, a renowned academician and a noted economist from the London school of economics was the founder President of the trust. Dr. Venugopal K R, a visionary and educationist, is the Honorary Technical Advisor to the Trust. Smt. Rukmini T the founder trustee of Alpha College of Engineering is the Chair Person of Vijaya Vittala Institute of Technology. This group of pioneering educators, have shaped the lives of many students into great careers.

The college is located in the salubrious outskirts of Bengaluru, and is located on the International Airport link road. The city is the fastest growing metropolis in India and is the Knowledge and Bio-Technology capital of India.



ACCREDITED BY
NAAC
National Assessment and
Accreditation Council





CONTENTS

From the Principal's Desk	- 6
Department Heads	- 8
VVIT ADVANTAGE	-12
UG Departements	- 14
PG Departements	- 29
Facilities at VVIT	- 31
Research	- 32
Library & Information Center	- 33
Salient Facilities at VVIT	- 35
Sports Facilities	- 36
Say no to Ragging	- 39
Placement Activities	- 40
VTU Ranks & Gold Medals	- 42
Events @ VVIT	- 44
Vijayotsava- @ VVIT	- 46
Life @ VVIT	- 48
Admission Criteria	- 50
General Rules	- 51

ADMINISTRATION

Smt Rukmini T | Chair Person

Treasurer of Prof. Venkatagiri Gowda Charitable & Educational Trust and Treasurer of Dr. K. Venkatagiri Gowda Memorial Trust. Smt Rukmini T is actively involved in organizing social and charitable activities.



Dr. Venugopal K R | Honorary Technical Advisor

He is the honorary Technical Advisor to the college. He has doctorates in Economics & Computer Science. He has authored 84 books in Computer Science Engineering & Economics & published more than 1000 research papers in international Journals & Conferences he has 37 patents with over 8980 citations and google scholar of h-index is 41.



Dr. Krishna Prasad T | Vice-President

A renowned urologist & transplant surgeon with work experience in leading centres in India & UK. His training at Institute of Kidney Diseases & Research Centre, India's largest stand-alone Nephro-Urology hospital & India's only transplant university, has given him a vast exposure to various complex transplant clinical scenarios, in both live & cadaver kidney transplants, supported by additional exposure to the deceased donor transplantation process in adults & children in the UK by a stint as Clinical Fellow at the University Hospitals of Leicester & as a visiting fellow to the Nottingham Children's Hospital.



Sri Thyagaraj K | Secretary

He is a builder and Developer & is actively involved in many construction works.



Dr. Shiv Prakash T | Secretary

He is completed his Ph.D in Computer Science from University of Visvesvaraya College of Engineering. He completed his M.Tech. Engineering by Research in Computer Science from UVCE Bangalore. He has over ten years of IT experience in the field of Embedded Systems and Digital Multimedia. His research interests include Ad Hoc networks, Sensor networks and Embedded Systems.



Dr. Sanjeev C Lingareddy,

M.Tech, Ph.D. Networks Security

Principal

VVIT, Bengaluru

FROM THE PRINCIPAL'S DESK

Welcome to VVIT, an institution that rests on a strong academic foundation, blending with a modern approach that seeks to mould young men and women who will make a success of themselves no matter where they go. Our system is designed to give students friendly support and professional guidance throughout their time here. Their experiences here enable them to develop a sound basic knowledge and understanding of engineering concepts.

Engineering education must be designed to accommodate current trends and future needs and must create more connections and stronger partnership with the global society in which we are embedded. We must examine the relevance of curricula and strive for fulfillment of university, college, and professional missions. Use of current technologies and the creation of new technologies are at the heart of the engineering profession.

We believe that our motto "In Pursuit of Knowledge" will come only with hard work and dedication, that will be imbibed in all the students at VVIT.



Advisory Board

INSTITUTION

Dr. N R SHETTY

Former VC, Bangalore University

Dr. H N SHIVASHANKAR

Former Principal, UVCE

Dr. N SRINIVASAN

Former Dean, UVCE

Dr. K R VENUGOPAL

Principal, UVCE

Smt. ACHALA JOSHI

Founder, IES, Mumbai

INDUSTRY

Mr. KOTRESH M

Director, INDIAN TECH KEYS

Mr. SADAKAT

CEO, TESCOM Technologies

Mr. KASHINATH

Sr. Manager, ACE Designer

Mr. ANIL K GHASTE

Chairman, ISCT

Mr. SATEESH ANBESANGE

CEO, Pragyan AI

At VVIT we are committed in providing quality education to all those who knock at its portals. The faculty members have extensive expertise and experience in their chosen fields and have a primary commitment to the welfare of their students. The faculty are constantly given opportunities to update their skills by attending conferences and workshops, They are enhanced by visiting experts, from both the academic field and the industry. Innovative methodology, individual attention and careful grooming which provides the students ample opportunity to excel and rise above mediocrity.

A Unique Approach

Academic Governance

With a view to ensure that VVITians get the very best of academic exposure, all academic activities at the college are governed and monitored by the Advisory Board and Governing Council comprising of eminent personalities and experts from the field of academics. The board oversees critical aspects such as Programme Design, Implementation and Feedback.

Feedback

Specific problems of the students are identified through monthly student feedback and remedial action is taken by the faculty.

Academic Orientation

A strong academic orientation lays the foundation for life-long learning, ingraining in the youth the psyche of the eternal student. It is imperative that all students attend the orientation programs conducted in the campus. The orientation program enables the students to familiarize themselves with the teaching methodology and aids used in the classroom, campus and library. The program also focus on academic and personal counseling, enabling students with necessary study skills required for academic setting, enabling students to adjust to different methods of teaching. VVIT believes in regular parent teacher interaction to improve the student's performance, the college website provides individual logins to parents with accesses to student's academic results and attendance.

DEPARTMENT HEADS



Dr. Krishnamurthy N

ME, Ph.D. Manufacturing Science and Engineering

PROFESSOR & HOD

Department of Mechanical Engineering



Dr. Leena K

M. Tech, Ph.D. Electronics and Communication

PROFESSOR & HOD

Department of Electronics and Communications



Dr. Virendra Kumara K N

M. Tech, Ph.D. Structural Engineering

PROFESSOR & HOD

Department of Civil Engineering



Dr. Loganathan R

M. Tech Ph.D. Digital Image Processing

HOD & Professor

Department of Computer Science and Engineering



Modular Curriculum

VVIT is affiliated to Visvesvaraya Technological University one of the biggest Technological University in India, having 227 colleges affiliated to it with Under Graduate courses in 30 disciplines and Post Graduate Programmes in 67 disciplines. The theory and practical syllabi is constantly revised by VTU to keep the students on par with industry demands.

Continuous Internal Assessment

At VVIT students receive regular feedback from the respective faculty. The faculty employ a range of assessment methods through written work, Internals, Unit test, Presentation, Projects and Model Exams. Students receive constructive suggestions from their instructors. Be it by written comments, conferences or e-mail, the VVIT faculty pay careful attention to the academic performance and growth of every student.

Discipline and Values

We at VVIT believe that if we are to succeed in the task of nation building, our youth need to develop a sense of values and discipline which will form the basis for their approach to everything around them, making them responsible and sensitive citizens. Instilling a deep sense of values and discipline in a continuous process of all activities of the college.

Excellent Campus Amenities

We at VVIT believe that availability of new technology can make learning more creative, interactive and information driven by using multifaceted delivery techniques. The infrastructure at VVIT has been developed with students and faculty needs and to support rigorous academic study. Spread over 10 Acres of tranquil landscape and a built up area of 2,00,000 sq. ft. which houses lecture halls, a library, labs, workshops, seminar hall, canteen and residential area these have been designed with meticulous attention to detail and thoughtful design and use of space, making it a truly ambient environment to pursue higher studies. The vibrant interiors and exquisite touches, lend the college an ambience that is as delightful as it is inspiring.

Lecture Halls

All ICT (Information Communication Technology) lecture halls are equipped with interactive touchpads, enabling engaging and interactive learning experiences for students.

The lecture halls are designed to be spacious as per AICTE regulations. The matchless overall approach and open door policy of the faculty lends as additional dimension to academic learning at VVIT.

Library and Information Centre

The modern library houses over 30,000 volumes apart from subscriptions to leading nation and international periodicals and journals. The digital library sections houses an extensive range of CD-ROMs, & DVD's. The library serves as a rich workspace for students to do research and referencing.



DEPARTMENT HEADS



Dr. Raghu Kumar K S

M. Tech, PhD

PROFESSOR & HOD

Department of CSE (Data Science)



Dr. Syed Asifulla

M. Sc, Ph. D. Graph Theory

PROFESSOR & HOD

Department of Basic Science & Humanities



Dr. Naveen Ghorpade

M. Tech, Ph. D. Wireless Sensor Network

PROFESSOR & HOD

Department of Artificial Intelligence & Machine Learning



Dr. Nazneen Taj

M. Tech, Ph. D. Cloud computing

HOD & Associate Professor, Placement Officer

Department of Computer Science Engineering in AI & ML



Modern Computer Labs

High-end hardware systems with modern computing facilities with the latest branded desktops are available to meet project requirements and encourage research activities. A 1000 Mbps dedicated line with 24 hour Internet connectivity, with a backup line for support. The college has several computer labs, each with a capacity to accommodate 25 students. The Gigabit networked systems are configured to allow individual internet access and data sharing from all the terminals. Students have extensive access to the internet for research and referencing. All labs have extended working hours enabling students to work late hours.

Work Shops and Basic Science labs

The Work Shops and labs are completely geared to handle all requirements of the First year programmes. Bristling with the latest machines and equipment sourced from the best of manufactures.

Student Housing

The college provides separate residential facilities for boys and girls. The facility caters to the needs of students from all over the country. Located conveniently in the proximity of the college campus, the well furnished hostels are equipped with modern amenities like recreation centers, generators, UPS, water heaters and water coolers. The well maintained catering service prepares hygienic and nutritious food and works round the clock to meet the needs of the students, faculty and guests. Security and doctor on call are provided to the students. The efficiently administered to provide the right atmosphere for student life.

Scholarship and Financial Aid

The Management is committed to provide financial help to deserving students of all categories. The scholarships, offered by the Management are primarily aimed at promoting quality education among the students. Students with brilliant academic records (PCM aggregate greater than 85%) are eligible to apply for merit scholarship.

Leisure and Sporting Activities

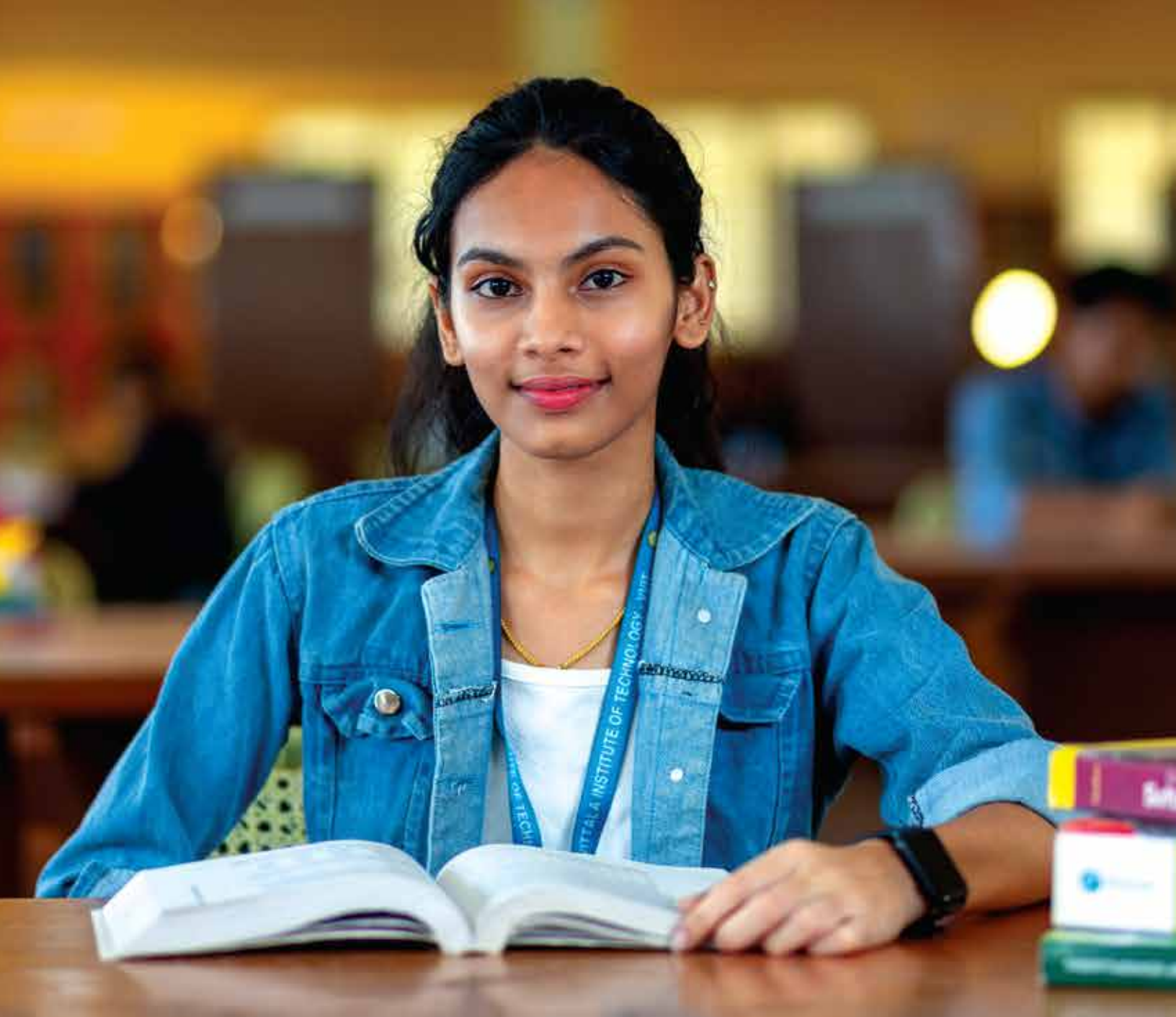
The college has adequate infrastructure facilities for indoor and outdoor games; students are encouraged to participate in all events. The Department of Physical Education and Sports focuses to imbibe in the student's discipline, team skills, leadership qualities and the sense of belonging through sports activities and the practice of yoga. Extra Curricular activities are student-driven, and new initiatives are encouraged.

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Vijaya Vittala Institute of Technology has been accredited by the National Assessment and Accreditation Council (NAAC), As per NAAC norms, we have established Internal an Quality Assurance Cell (IQAC) as a quality sustenance measure. The IQAC aims to develop a system for continuous improvement in the institution's performance, fostering a sense of belonging and participation.

Vision of the IQAC: To promote quality culture in VVIT through institutionalizing and internalizing all the quality-enhancing and sustaining initiatives taken with internal and external support.





SALIENT FEATURES

VVIT ADVANTAGE

STUDENT CURRICULUM ENHANCEMENT PROGRAMS TO IMPROVE EMPLOYABILITY

Industry Internship and Projects

Entrepreneurship Cell

Placements with Industry Connect

Personality Development Programs

ENGINEERING ++

VALUE ADDED COURSES FOR EMPLOYABILITY



- Leadership & Entrepreneurship Training
- Aptitude and Soft Skill Training
- Industry Tuned Curriculum
- Personality Development
- *VAC in CATIA, Auto CAD & Autodesk REVIT
- *VAC in Artificial Intelligence, Machine Learning & Data Science

B.E. (Engineering)

- Artificial Intelligence & Machine Learning
- Computer Science & Engineering
- CSE in Artificial Intelligence & Machine Learning
- Computer Science & Engineering (Data Science)
- Civil Engineering
- Electronics & Communication Engineering
- Mechanical Engineering

M. Tech

- Structural Engineering
- Construction Technology
- Machine Design
- Artificial Intelligence & Data Science
- Computer Network Engineering

PhD-Research Center

- Computer Science and Engineering
- Mechanical Engineering
- Civil Engineering

Key Highlights of the Institute

- Affiliated to VTU and AICTE
- Excellent Infrastructure
- Credit based choice system with updated VTU curriculum
- Live Projects and Product Development in R & D Cell
- Branch specific technical skill training
- Student information portal and App
- Industry Relevant Curriculum
- Highly Qualified and Dedicated Faculty
- Placement training & interview grooming
- Well-equipped Labs & Well stocked Library
- Calm & Serene Atmosphere for Learning
- Identifying & nurturing students' talent in sports/cultural activities
- Industrial Tours & Visits
- Internship with Leading Companies
- Continuous monitoring of progress & Counselling of Students
- Additional Certificate Courses from Industry



Bachelor in

Computer Science and Engineering

PROGRAM EDUCATIONAL OBJECTIVES

PEO 1: Lead a successful career by designing, analyzing and solving various problems in Computer Science & Engineering field.

PEO 2: Be a successful entrepreneur or pursue professional higher education or research.

PEO 3: Adapt to development in technology by engaging in lifelong learning.

PROGRAM SPECIFIC OUTCOMES

PSO 1: Analyze the problem and design a model by applying mathematical concepts and design solutions using suitable data structures and algorithmic techniques.

PSO2: Design and develop solutions for the model, by following standard software engineering principles and implement them by using suitable programming languages and platforms.

Computer Science & Engineering focuses on the basic elements of computer programming and networking. The course deals with the design, implementation and management of information system of both hardware and software. The boom in the technology sector with the future dependent on technologies like cloud computing. AI and Internet of Things (IoT) there is an ever-growing demand for innovative and enthusiastic young engineers.

Career Opportunities

Career Opportunities range from Design, Development, Testing & Maintenance of software as well as Networking & Security administrator in IT domain. Computer science graduates get absorbed into global giants like Google, Yahoo, Hewlett-Packard, IBM, Dell, Oracle or Indian firms like Infosys, TCS and Wipro in the current start-up era, tech entrepreneurs are sprouting up everywhere and setting up a software or app-based product has a big potential.

B.E. Computer Science & Engineering

VISION

To be a Centre of Excellence through enrichment of the problem solving skills of the students in the field of Computer Science and Engineering to meet the societal needs with a focus on research and innovative solutions.

MISSION

M1. Prepare the students with strong fundamental concepts, analytical capability, programming and problem solving skills.

M2. Create an ambience of technology enabled learning through faculty training, self learning, sound academic practices and research endeavours.

M3. Provide opportunities to promote organizational and leadership skills in students through various extra-curricular and co-curricular events to make the students industry ready to enhance their employability in the industries.



Semester III

- Mathematics for Computer Science
- Digital Design & Computer Organization
- Operating Systems
- Data Structures and Applications
- ESC/ETC/PLC
- Social Connect and Responsibility
- Ability Enhancement Course/Skill Enhancement Course – III (Data Analysis with excel / R Programming / Project management with GIT/ Data Visualization with Python)

- Data Structures Lab
- National Service Scheme (NSS)
- Physical Education (PE) (Sports and Athletics)
- Yoga

Semester IV

- Analysis & Design of Algorithms
- Microcontrollers
- Database Management Systems
- ESC/ETC/PLC
- Ability Enhancement Course/Skill Enhancement Course- IV (Green IT & Sustainability/Capacity planning for IT/Unix/Latex)
- Biology For Computer Engineers
- Universal human values course

- Analysis & Design of Algorithms Lab
- National Service Scheme (NSS)
- Physical Education (PE) (Sports and Athletics)
- Yoga

Semester V

- Software Engineering & Project Management
- Computer Networks
- Theory of Computation
- Professional Elective Course (Computer Graphics / AI / USP / Distributed Systems)
- Research Methodology and IPR
- Environmental Studies and E-waste Management

- Web Technology Lab
- Mini Project
- National Service Scheme (NSS)
- Physical Education (PE) (Sports and Athletics)
- Yoga

Semester VI

- Cloud Computing (Open Stack /Google)
- Machine Learning
- Indian Knowledge System
- Professional Elective Course
- Blockchain Technology/Computer Vision
- Compiler Design/Advanced Java/
- Open Elective Course**
- Introduction to Data Structures/ Mobile Application Development
- Fundamentals of Operating Systems/ Introduction to Artificial Intelligence
- Ability Enhancement Course/Skill Development Course V**
- Tosca – Automated Software testing/ Generative AI
- React/ Devops

- Machine Learning lab
- Project Phase I
- National Service Scheme (NSS)
- Physical Education (PE) (Sports and Athletics)
- Yoga

Semester VII

- Internet of Things
- Parallel Computing
- Cryptography & Network Security
- Professional Elective Course
- Open Elective Course
- Major Project Phase-II

- **Professional Elective Course**
- Deep Learning
- Natural Language Processing
- Program Verification
- **Open Elective Course**
- Introduction to DBMS
- Introduction to Algorithms
- Software Engineering

Sem-VIII

- Technical Seminar
- Project work

- Internship



Bachelor in

Artificial Intelligence & Machine Learning

The theory and development of computer systems that can perform tasks normally requiring human intelligence, such as visual perception, speech recognition, decision-making, and translation and interpretation are formalized as Artificial Intelligence. These mimic a human brain and enable them to perform tasks that usually require human intelligence. Machine learning is a method of data analysis that automates analytical model building.

Career Opportunities

Computer Science and Engineering in Artificial Intelligence and Machine Learning is currently the high-demand discipline in both Industry and Academics. Most of the IT companies like Microsoft, Google, AMAZON, Tesla, NVIDIA many more have adapted to this concept in their products. Students shall be able to acquire the ability to design intelligent solutions for various business problems in a variety of domains and business applications and also explore fields such as VVIT offers a four-year under-graduate B.E (CSE in Artificial Intelligence and Machine Learning) for laying a strong foundation by using the principles and technologies that consist of many facets of Artificial Intelligence including as neural networks, natural language processing, robotics, deep learning, computer vision, reasoning, and problem-solving. The program is best suited for students seeking to build world-class expertise in Artificial Intelligence and Machine.

B.E. Artificial Intelligence & Machine Learning

VISION

To lead in offering cutting-edge education and research in Artificial Intelligence and Machine Learning, preparing students to drive impactful change in society.

MISSION

M1. To provide high-quality education and skill development in Artificial Intelligence and Machine Learning, preparing students for successful careers and lifelong learning in a rapidly evolving field.

M2. To foster a collaborative research environment that encourages innovation, problem-solving, and practical applications of AI & ML for the benefit of society.

M3. To equip students with the tools and knowledge to be leaders in AI & ML, committed to addressing societal needs through technology.



Semester III

- Mathematics for Computer Science
- Digital Design & Computer Organization
- Operating Systems
- Data Structures and Applications
- Engineering Science Course
 - o Object Oriented Programming with Java
 - o Python Programming for Data Science
 - o Data Analytics with R
- Social Connect and Responsibility
- Ability Enhancement Course – III
 - o Ethics and Public Policy for AI
 - o Data Analytics with Excel
 - o Project Management with Git
 - o PHP Programming

- Digital Design & Computer Organization Lab
- Operating Systems
- Data Structures Lab
- National Service Scheme(NSS)
- Physical Education (PE) (Sports and Athletics)
- Yoga

Semester IV

- Analysis & Design of Algorithms
- Artificial Intelligence
- Database Management Systems
- Engineering Science Course (ESC/ETC/PLC)
 - o Discrete Mathematical Structures
 - o Metric Spaces
 - o Optimization Technique
 - o Algorithmic Game Theory
- Ability Enhancement Course/Skill Enhancement Course- IV
 - o Scala (0:0:2)
 - o MongoDB (0:0:2)
 - o MERN (0:0:2)
 - o Julia (0:0:2)
- Biology For Computer Engineers
- Universal human values course

- Analysis & Design of Algorithms Lab
- Artificial Intelligence
- Database Management Systems
- MongoDB(0:0:2)
- National Service Scheme(NSS)
- Physical Education (PE) (Sports and Athletics)
- Yoga

Semester V

- Software Engineering & Project Management
- Computer Networks
- Theory of Computation
- Professional Elective Course
 - o Computer Vision
 - o Distributed Systems
 - o Information Retrieval
 - o Exploratory Data Analysis
 - o Unix System Programming
- Mini Project
- Environmental Studies and E-waste Management

- National Service Scheme(NSS)
- Physical Education (PE) (Sports and Athletics)
- Yoga
- Machine Learning lab
- Big Data Analytics

Semester VI

- Machine Learning-1
- Natural Language Processing
- Professional Elective Course
 - o Human-Centred AI
 - o Cloud Computing and Security
 - o Blockchain Technology
 - o Time Series Analysis
- Project Phase I
- Ability Enhancement Course/Skill Development Course V
 - o Mobile Application Development with Flutter
 - o Mobile Application Development with Flutter
 - o Generative AI
 - o Devops
- Indian Knowledge System

- National Service Scheme(NSS)
- Physical Education (PE) (Sports and Athletics)
- Yoga
- Machine Learning lab
- Big Data Analytics

Semester VII

- Deep Learning & Reinforcement Learning
- Machine Learning –II
- Data Security & Privacy
- Professional Elective Course
 - o Social Network Analysis
 - o Business Analytics
 - o Big Data Analytics
 - o Data Engineering & MLOps
- Major Project Phase-II

- Deep Learning & Reinforcement Learning
- Machine Learning –II

Sem-VIII

- Technical Seminar
- Research Internship/ Industry Internship

- National Service Scheme(NSS)
- Physical Education (PE) (Sports and Athletics)
- Yoga



Bachelor in

Computer Science and Engineering in AI & ML

VISION

"To empower students to become AI/ML professionals in education and research, and producing innovative, industry-ready engineers who harness the power of intelligent systems to drive technological advancements and societal progress."

MISSION

M1. Educate and inspire future generations of engineers, providing a comprehensive, industry-aligned outcomes that integrates AI/ML with computer science and engineering fundamentals.

M2. Innovate through cutting-edge research, fostering a culture of creativity, experimentation, and entrepreneurship that addresses real-world challenges and opportunities.

The theory and development of computer systems that can perform tasks normally requiring human intelligence, such as visual perception, speech recognition, decision-making, and translation and interpretation are formalized as Artificial Intelligence. These mimic a human brain and enable them to perform tasks that usually require human intelligence. Machine learning is a method of data analysis that automates analytical model building.

Career Opportunities

The B.E. in Computer Science Engineering (AI & ML) program, typically spanning four years, focuses on key skills in artificial intelligence, machine learning, and data analysis. Graduates have diverse career opportunities in industries like technology, healthcare, finance, and research. They can work as AI engineers, machine learning specialists, data scientists, robotics engineers, AI consultants, and research scientists. With growing demand for AI-driven solutions across sectors, these roles offer competitive salaries and excellent potential for career advancement, making this field both rewarding and dynamic.

B.E. CSE in AI & ML

Semester III	- Mathematics for Computer Science - Digital Design & Computer Organization - Operating Systems - Data Structures and Applications - ESC/ETC/PLC - Object Oriented Programming with Java - Data Analytics with R - Python Programming for Data Science - Social Connect and Responsibility - Ability Enhancement Course/Skill Enhancement	- Project Management with Git - Ethics and Public Policy for AI - PHP Programming - National Service Scheme (NSS) - Physical Education (PE) (Sports and Athletics) - Yoga	- Data Structures Lab - Digital Design & Computer Organization lab - Data Analytics with Excel - Python Programming for Data Science lab
Semester IV	- Analysis & Design of Algorithms - Artificial Intelligence - Database Management Systems - ESC/ETC/PLC - Discrete Mathematical Structures - Optimization Technique - Metric Spaces - Algorithmic Game Theory - Ability Enhancement Course/Skill Enhancement Course- IV - Scala - MERN	- Biology For Computer Engineers - Universal human values course - National Service Scheme (NSS) - Physical Education (PE) (Sports and Athletics) - Yoga	- Analysis & Design of Algorithms Lab - Mango DB - Technical writing using LATEX (Lab) - Artificial Intelligence lab - Database Management Systems lab
Semester V	- Software Engineerin& ProjectManagement - Computer Networks - Theory of Computation - Professional Elective Course - Computer Vision - Unix System Programming - Information Retrieval - Image and Video Processing	- Mini Project - Research Methodology and IPR - Environmental Studies and E-waste Management - National Service Scheme (NSS) - Physical Education (PE) (Sports and Athletics) - Yoga	- Computer Networks lab - Data Visualization Lab
Semester VI	- Microcontrollers & Embedded Systems - Machine Learning –I - Professional Elective Course - Human-Centered AI - Blockchain Technology - Cloud Computing - Time Series Analysis - Open Elective Course - Introduction to Data Structures - Mobile Application Development - Fundamentals of Operating Systems - Introduction to AI	- Project Phase I - Ability Enhancement Course/Skill Development - Course V - Explainable AI - Generative AI - PyTorch - Devops - National Service Scheme (NSS) - Physical Education (PE) (Sports and Athletics) - Yoga	Machine Learning Laboratory
Semester VII	- Deep Learning - Machine Learning Cryptography & Network Security - Professional Elective Course - Scalable Data Systems - Data Engineering & MLOps - Parallel Computing - Big Data Analytics - Open Elective Course - Introduction to DBMS - Software Engineering	- Introduction to Algorithms - Introduction to Machine Learning - Major Project Phase-II	
Sem-VIII	- Professional Elective(Online Courses) Only through NPTEL - BOS will publish courses based on the availability - Open Elective (Online Courses) Only through NPTEL - BOS will publish courses based on the availability - Internship (Industry/Research) (14 - 20 weeks)		



Bachelor in

CSE in Data Science

Computer Science Engineering in Data Science refers to the application of principles, and techniques utilizing computer science concepts and methodologies to effectively manage, analyze, and extract insights from large datasets using data structures, algorithms, databases, distributed computing, and machine learning.

Career Opportunities

The field of data science offers a wide range of career opportunities across various industries that include Data Scientist, Machine Learning Engineer, Data Engineer, Business Analyst, Data Analyst, AI Research Scientist, and Data Science Consultant.

B.E. CSE (Data Science)

VISION

To emerge as a center of excellence in Computer Science and Engineering (Data Science), offering cutting-edge education and research opportunities, and addressing the technological needs of society through data-driven innovation and ethical practices.

MISSION

M1. To provide a comprehensive learning environment in Data Science, integrating modern engineering education with ethical values and societal relevance.

M2. To enhance student growth and career opportunities through strong interactions with alumni, academia, and industry leaders, fostering industry readiness.

M3. To nurture a research-driven culture that inspires innovation, creativity, and entrepreneurial ventures in Data Science and related fields.

M4. To empower students with the knowledge and skills to design, develop, and deploy data-centric solutions addressing complex real-world challenges.



Semester III

- Mathematics for Computer Science
- Digital Design & Computer Organization
- Operating Systems
- Data Structures and Applications
- Engineering Science Course
 - o Object Oriented Programming with Java
 - o Python Programming for Data Science
 - o Data Analytics with R
- Social Connect and Responsibility
- Ability Enhancement Course – III
 - o Ethics and Public Policy for AI
 - o Data Analytics with Excel
 - o Project Management with Git
 - o PHP Programming

- Digital Design & Computer Organization Lab
- Operating Systems
- Data Structures Lab
- National Service Scheme(NSS)
- Physical Education (PE) (Sports and Athletics)
- Yoga

Semester IV

- Analysis & Design of Algorithms
- Microcontrollers
- Database Management Systems
- Engineering Science Course (ESC/ETC/PLC)
 - o Discrete Mathematical Structures
 - o Metric Spaces
 - o Optimization Technique
 - o Algorithmic Game Theory
- Ability Enhancement Course/Skill Enhancement Course- IV
 - o Scala (0:0:2)
 - o MongoDB (0:0:2)
 - o MERN (0:0:2)
 - o Julia (0:0:2)
- Biology For Computer Engineers
- Universal human values course

- Analysis & Design of Algorithms Lab
- Microcontrollers
- Database Management Systems
- MongoDB(0:0:2)
- National Service Scheme(NSS)
- Physical Education (PE) (Sports and Athletics)
- Yoga

Semester V

- Software Engineering & Project Management
- Computer Networks
- Theory of Computation
- Professional Elective Course
 - o Computer Vision
 - o Data Warehousing
 - o NoSQL Databases
 - o Distributed Systems
- Mini Project
- Research Methodology and IPR
- Environmental Studies and E-waste Management

- Data Visualization Lab
- Computer Networks
- National Service Scheme(NSS)
- Physical Education (PE) (Sports and Athletics)
- Yoga

Semester VI

- Big Data Analytics
- Artificial Intelligence & Machine Learning
- Professional Elective Course
 - o Blockchain Technology
 - o Time Series Analysis
 - o Exploratory Data Analysis
 - o Natural Language Processing
- Project Phase I
- Ability Enhancement Course/Skill Development Course V
 - o Mobile Application Development with Flutter
 - o UI/UX
 - o Devops
 - o Generative AI
- Indian Knowledge System

- National Service Scheme(NSS)
- Physical Education (PE) (Sports and Athletics)
- Yoga
- Machine Learning lab
- Big Data Analytics

VII & VIII SEM

- Parallel Programming
- Statistical Machine Learning for Data Science
- Cryptography & Network Security
- Professional Elective Course
 - o Business Analytics
 - o Scalable Data Systems
 - o Deep Learning
 - o Data Engineering & MLOps
- Major Project Phase-II

- Parallel Programming
- Statistical Machine Learning for Data Science



Bachelor in

Civil Engineering

Industry Visits by Civil Engineering Department

- Shoba Developers Project Sites
- Defence Research and Development Organisation (DRDO)
- Bengaluru Metro site
- Water & Sewage treatment plant
- GKVK University of Agriculture Science

Civil Engineering is the art of planning and building infrastructure. Civil engineers conceive, design, build, supervise, operate, construct, and maintain infrastructure project and systems in the public and private sector, including roads, buildings, airports, tunnels, dams, bridges, and systems for water supply and sewage treatment. It is the second-oldest engineering discipline after military engineering.

Career Opportunities

Civil Engineering have a wide variety of career options from government jobs in PWD, water supply, irrigation department to railways and PSU's like IOCL, ONGC etc. Private construction firms like LT, Mantri, Sobha, Prestige & Bridge recruit Civil engineers as Site engineer, Structural Engineers, Highway engineer & Project engineer, they can turn entrepreneurs and start off on their own as a contractor or builder.

B.E. Civil Engineering

VISION

To be a centre of Excellence in the field of Civil Engineering imparting quality technical education with active involvement in Applied Research and Consultancy catering to the social and technological needs of mankind.

MISSION

M1. To produce world-class Civil Engineers with strong technical background and a practical approach to solve the infrastructure needs of the world and to produce Industry-ready workforce with high professional and ethical standards along with a strong entrepreneurial spirit.

M 2: To carry out state-of-the art research relevant to global challenges in Civil Engineering & society at large and to train & disseminate knowledge of Civil Engineering among people.

M 3: To develop into a department offering consultancy services to solve the problems of the industry and engage with the industry and to facilitate faculty development through continuous improvement programs.



Semester III

- Strength of Materials
- Engineering Survey
- Engineering Geology
- Water Supply and Wastewater Engineering
- ESC/ETC/PLC-Rural, Urban Planning and Architecture/Sustainable Design Concept for Building Services/Geospatial Techniques in Practice/Fire Safety in Buildings
- Ability Enhancement Course/Skill Enhancement Course III – Data Analytics with Excel/Smart Urban Infrastructure/ Problem Solving with PYTHON / Personality Development for Civil Engineers

- Computer-Aided Building Planning and Drawing
- Social Connect and Responsibility
- National Service Scheme (NSS)
- Physical Education (PE) (Sports and Athletics)
- Yoga

Semester IV

- Analysis of Structures
- Fluid Mechanics and Hydraulics
- Transportation Engineering
- ESC/ETC/PLC-Finance for Professionals/Concreting Techniques & Practices /Construction Equipment, Plants and Machinery/Watershed Management
- Ability Enhancement Course/Skill Enhancement Course IV-Building Information Modelling in Civil Engineering-Basics/Electronic Waste Management-Issues & Challenges /GIS with Quantum GIS/Technical Writing Skills
- Biology For Engineers
- Universal human values course

- Building Materials Testing Lab
- National Service Scheme (NSS)
- Physical Education (PE) (Sports and Athletics)
- Yoga

Semester V

- Construction Management and Entrepreneurship
- Geotechnical Engineering
- Concrete Technology
- Professional Elective Course – Numerical Methods in Civil Engineering/Occupational Safety and Health Monitoring/ Solid Waste Management/Remote Sensing and GIS
- Research Methodology and IPR
- Environmental Studies

- Environmental Engineering Lab
- Mini Project/Extensive Survey Project
- National Service Scheme
- Physical Education (PE) (Sports & Athletics)
- Yoga

Semester VI

- Design of RCC Structures
- Irrigation Engineering and Hydraulic Structures
- Professional Elective Course – Design of Bridges/Applied Geotechnical Engineering/Design of Formwork and scaffolding/Design and Construction of Highway Pavements
- Open Elective Course – Conservation and Rainwater Harvesting/Integrated Waste Management for a Smart City/Geographic Information Systems/Sustainable Development Goals
- Ability Enhancement Course/Skill Development Course V - Structural Health Monitoring using Sensors/Building Information Modelling in Civil Engineering-Advanced/Data Analytics for Civil Engineers/ Quality Control and Quality Assurance

- Major Project Phase I
- Software Application Lab
- National Service Scheme (NSS)
- Physical Education (PE) (Sports and Athletics)
- Yoga

Semester VII

- Design of Steel Structures
- Estimation and Contract Management
- Prestressed Concrete
- Professional Elective Course – Intelligent Transport Systems/ Earthquake Resistant Structures/ Design and Execution of Pile Foundations/Building Services- HVAC, Acoustics and Fire Safety
- Open Elective Course - Road Safety Engineering/Energy Efficiency, Acoustics and Daylighting In Building/Conservation of Natural Resources/ Precast Members- Systems &Construction

- Major Project Phase II

S-VIII

- **Professional Elective** - Deep Excavation and Tunnels/Project Management and Finance/Advanced RCC Structures/Metro and Seaports Engineering
- **Open Elective** - Energy Conservation in Buildings/Green Buildings/ Occupational Health and Safety/ Integrated Building Services

- Internship (Industry/ Research)



Bachelor in

Mechanical Engineering

Industry Visits by Mechanical and Civil Engineering Departments

- National Aerospace Laboratories (NAL)
- Wheel and Axle Plant
- Shoba Developers Project Sites
- Hindustan Aeronautics Limited (HAL)
- Defence Research and Development Organisation (DRDO)

Mechanical Engineering deals with conceptualization, design, analysis and manufacture of a product. Mechanical engineers use tools like Cad, FEA, CFA to design and develop products like Aircraft, Automobile and Robots. Mechanical engineers develop different kinds of machinery for various application. The course includes study of Machines, Thermodynamics, Material science, Fluid mechanics and manufacturing.

Career Opportunities

There are numerous career options to choose for a mechanical engineer in both private and public sector. Public like BHEL, ONGC, NTPC, BPCL, HPCL recruit many mechanical engineers every year. Several government departments also recruit Mechanical engineers. Private sectors like L&T, TATA Motors, GM, VOLVO also provides a sea of opportunities with lucrative salary.



B.E. Mechanical Engineering

VISION

Produce Mechanical Engineers capable of solving research oriented and realistic industrial problems

MISSION

M1: To impart knowledge in basic and applied areas of Mechanical Engineering

M2: To provide state of the art laboratories and research facilities

M3: To inculcate moral, ethical and professional values among students to serve the society



Semester III

- Mechanics of Materials
- Manufacturing Process
- Material Science and Engineering
- Basic Thermodynamics
- ESC/ETC/PLC-Electric and Hybrid Vehicle Technology/SmartMaterials & Systems/Internet of Things(IoT)/Waste handling and Management
- Social Connect and Responsibility
- Ability Enhancement Course/Skill Enhancement Course III - Advanced Python Programming/Spreadsheet for Engineers/Introduction to Virtual Reality/Tools in Scientific Computing

- Introduction to Modeling and Design for Manufacturing
- National Service Scheme (NSS)
- Physical Education (PE)(Sports and Athletics)
- Yoga

Semester IV

- Applied Thermodynamics
- Machining Science & Metrology
- Fluid Mechanics
- ESC/ETC/PLC - Non Traditional Machining/Environmental Studies/Micro Electro Mechanical Systems/Robotics andAutomation
- Ability Enhancement Course/Skill Enhancement Course IV -Introduction to AI & ML/Digital Marketing/Introduction to Data Analytics/Introduction to Programming in C++
- Biology for Engineers
- Universal Human Values Course

- Mechanical Measurements and Metrology lab
- National Service Scheme (NSS)
- Physical Education (PE) (Sports andAthletics)
- Yoga

Semester V

- Industrial Management & Entrepreneurship
- Turbo Machines
- Theory of Machines
- Professional Elective I – Mechatronics/Automation in manufacturing/Supply chain management &Introduction to SAP/Energy Engineering
- Research Methodology and IPR
- Environmental Studies

- Mini Project
- CNC Programming & 3-D Printing lab
- National Service Scheme (NSS)
- Physical Education (PE) (Sports and Athletics)
- Yoga

Semester VI

- Heat Transfer
- Machine Design
- Professional ElectiveII - Total Quality Management/Refrigeration and Air Conditioning/MEMS and Microsystem Technology/Designfor Manufacturing and Assembly
- Open Elective I - Project Management/Renewable Energy Power Plants/Introduction to Mechatronics/Modern Mobility
- Ability Enhancement Course/Skill Development Course V - Basics of MATLAB/Simulation and Analysis using Ansys workbench/Fundamentals of Virtual Reality ARP Development/Introduction Augmented Reality
- Indian Knowledge System

- Major Project Phase – I
- Design lab
- National ServiceScheme (NSS)
- Physical Education (PE)(Sports and Athletics)
- Yoga

Semester VII

- Finite Element Methods
- Hydraulics and Pneumatics
- Control Engineering
- Professional ElectiveIII - Additive manufacturing/Product Design and Management/IC Engines/Cryogenics
- Open Elective II –Introduction to Non-Traditional machining/Basics of Hydraulics and Pneumatics/Operations Research/Non-Conventional Energy Resources

- Major Project Phase II

S-VIII

- Professional Elective IV (Online Courses) - Quality Design & Control/Machinery Fault Diagnosis and Signal Processing/Modeling& Analytics for SupplyChain Management/Strategies for Sustainable Design
- Open Elective III (Online Courses) - Fundamentals of Automotive systems/Product Design and Manufacturing/Computer Integrated Manufacturing/Business Planning & Project Management

- Internship (Industry/Research)



Bachelor in

Electronics & Communication Engineering

Electronics and Communication Engineering, one of the broad engineering fields deals with electronic devices and software interface. It involves the transmission of information across channels like coaxial cable & optical fiber as well as with designing equipment such as routers, switches and electronic switching systems. Electronics engineer work on the micro-chips inside your mobile phones and MP3 players.

Career Opportunities

Candidates can choose to work in consumer electronics, electricity generation and distribution, transportation, aviation and avionics, radio and television, telecommunication, manufacturing and offshore industries. Career opportunities like Siemens, Motorola, Intel, VIDIA, Samsung, Philips, BSNL, BEL, ISRO and DRDO.



B.E. Electronics & Communication Engineering

VISION

To be the hub of excellence in frontier areas of Electronics and Communication Engineering.

MISSION

M1: Transforming life of students by fostering deep understanding of intellectually challenging and significant learning to become technically competent professionals and socially responsible citizens.

M2: To create an enabling environment for R&D and collaborative activities with industry and academia for sustainable growth.

Semester III	• AV Mathematics –III. • Digital System Design Using Verilog. • Electronic Principles and Circuits. • Network Analysis • ESC/ ETC/PLC – Electronic Devices/Computer Organization and Architecture/Sensors and Instrumentation/Applied Numerical Methods. • Social Connect and Responsibility • Ability Enhancement Course/Skill Enhancement Course–III - LABVIEW programming/C++ Basics/MATLAB programming/IOT for Smart Infrastructure.	• Analog and Digital Systems Design Laboratory. • National Service Scheme (NSS) /Physical Education (PE) {sports and Athletics} • Yoga
Semester IV	• Electromagnetic Theory • Principles of Communication Systems • Control Systems • ESC/ ETC/PLC – Microcontrollers/Operating Systems/Industrial Electronics/ Data Structures Using C. • Ability Enhancement Course/Skill Enhancement Course–IV- Microcontrollers Lab/ Octave Programming/Programmable Logic Controllers/Data Structures Lab Using C. • Biology for Engineers • Universal Human Values Course	• Communication Laboratory. • National Service Scheme (NSS)/ Physical Education (PE) {sports and Athletics}/ Physical Education (PE) Yoga
Semester V	• Technological Innovation and Management Entrepreneurship • Digital Signal Processing. • Digital Communication. • Professional Elective Course- Satellite and Optical Communication/ Intelligent Systems and Machine Learning Algorithms/ Data Structure Using C++/ Digital Switching and Finite Automata Theory. • Research Methodology and IPR • Environmental Studies	• Digital Communication Laboratory. • Mini Project with Seminar • National Service Scheme (NSS) {sports and Athletics}/Physical Education (PE) (Sports and Athletics) Yoga
Semester VI	• Embedded System Design. • VLSI Design and Testing. • Professional Elective Course- Multimedia Communication/ Digital Signal Processing/Computer and Data security/ FPGA System Design Using Verilog. • Open Elective Course (offered by ECE)- Digital System Design Using Verilog/ Electronic Communication System/ Consumer Electronics/ Basic VLSI Design. • Ability Enhancement Course/Skill Development. Course V - FPGA System Design using Verilog LAB/ IOT Lab / System Modelling using Simulink / Python Programming for Machine Learning Applications • Indian Knowledge System	• Major Project Phase I • VLSI Design and Testing Laboratory • National Service Scheme (NSS) • Physical Education (PE) {sports and Athletics} • Yoga
Semester VII	• Microwave Engineering and Antenna Theory. • Computer Networks and Protocols. • Wireless Communication systems. • Professional Elective Course- Application Specific Integrated Circuit/ Automotive Electronics/ Cyber Security/ Radar Communication. • Open Elective Course (offered by ECE) - E-waste Management/ Embedded System Applications/ Automotive Electronics/ Sensors and Actuators.	• Major Project Phase-II
S-VIII	• Professional Elective (online Course) - BOS Recommended Course • Open Elective (online Course) - BOS Recommended Course. • Internship (Industry/ Research) (14-20 weeks).	• Technical Seminar



BASIC SCIENCE & HUMANITIES

- Encouraging inquisitiveness in a student throughout so that he would be able to understand the fundamentals of technology
- Informing the student with the latest development in science so that he can exploit it for development of technology.
- Imbibing the idea that understanding of an atom is very essential to understand the universe to the students.
- Instigating the “research” in a student so that he could be an innovator or discoverer of tomorrow.

The Department of Basic Science & Humanities serves as the cornerstone of a well-rounded education, offering courses that provide essential knowledge in disciplines such as mathematics, physics, chemistry, and the humanities. These courses not only equip students with the fundamental skills necessary for their specialized fields but also foster critical thinking, ethical reasoning, and a broader understanding of the world. The department's interdisciplinary approach helps to cultivate a holistic educational experience, preparing students for both professional success and informed citizenship.

Basic Sciences describes the most basic objects, forces, relations between them and laws governing them. All Engineering branches have evolved from these basic principles, the branches of physics, chemistry and mathematics from an important base in understanding the larger concepts and theories of the various Engineering branches. The Department workshops and labs are geared to handle all requirements of the first year. The Department of Mathematics has one of the best results among the VTU colleges in Bengaluru.

Making Engineers to develop the mathematical & scientific thinking and applying it to solve complex engineering problems, designing mathematical modeling for systems involving global level technology.

Syllabus

Basic Science & Humanities

Semester I

- Mathematics 1 for CSE stream
- Applied Physics for CSE stream
- Principles of Programming Using C
- Introduction to Civil Engineering
- Waste Management
- Communicative English
- Innovative Design Thinking
- Samskruthika Kannada /Balake Kannada
- Elements of Mechanical Engineering
- Mathematics 1 for ME stream
- Applied Physics for ME stream

- Applied Physics Lab
- Principles of Programming Using C
- Mathematics Python programming Lab

Semester II

- Mathematics for CSE stream-2
- Chemistry for CSE stream-2
- Introduction to Electronics and Communications
- Introduction to Python Programming
- Communicative English
- Indian Constitution
- Scientific Foundation of Health
- Mathematics for EEE Stream
- Applied Chemistry for EEE Stream
- Introduction to Mechanical Engineering
- Mathematics for Civil Engineering
- Applied Chemistry for Civil Stream

- Applied Chemistry Lab
- Computer Aided Engineering Drawing Lab
- Introduction to Python Programming Lab
- Mathematics Python programming Lab



Construction Technology (CCT)

Semester I	- Numerical Methods and Optimization Techniques - Artificial Intelligence and Applications in Civil Engineering - Building Information Modelling (BIM) - Professional Elective-1- Ground Improvement Technique/Material Characterization/Non-destructive testing for Civil Engineering/Remote Sensing & GIS - Professional Elective-2- Environmental Geotechnology / DPR Preparation / Advanced Surveying and Location Composite Materials - Research Methodology and IPR	Computational Lab
Semester II	- Construction Economics and Finance - Pre-Engineered Construction Technology - Professional elective 1 – Building Services and Maintenance/Ground Improvement Techniques/Advanced Reinforced Concrete Design/Design Concepts of sub-Structures - Professional elective 2 – Building Cost and Quality Management /Pavement Design and Construction/Earthquake Resistant Design of Structure/Structural Masonry	- Software Application Laboratory - Mini Project with Seminar - Suggested Online Courses
Semester III	- Restoration and Rehabilitation of the Structures - Professional elective 3 – Construction Contracts Specification and Estimation/Construction Demolition and waste Management/Design of Pre-stressed Concrete Structures/Energy and Buildings - Professional elective 4 - Sustainability and life Cycle Assessment/Green Building Technology/Design of Bridges & Grade Separators/Remote Sensing & Geograph	- Project Work phase -1 - Societal Project Internship
S- IV	No Theory	Project work phase -2



Machine Design (MMD)

Semester I	- Mathematical Methods in Engineering - Computer Simulation of Machines - Vibration and Condition Monitoring - Signal Analysis and Condition Monitoring - Advanced Mechanics of Solids - Research Methodology and IPR - BoS recommended ONLINE courses	Numerical Simulations Laboratory
Semester II	- Advanced Machine Design - Advanced Finite Element Methods & Applications - Professional elective 1 - Optimization Techniques/Fracture Mechanics/Computer Aided Geometric Design/Fatigue and Failure Analysis/Stress Analysis - Professional elective 2 - Mechatronics System Design/Mechanical Behavior of Materials/Basics of Machine Learning/Design for Manufacturing and Assembly/Industry 4.0 - Suggested ONLINE courses	- Mini Project with Seminar - Finite Element Methods Laboratory
Semester III	- Mechanics of Composite Materials - Professional elective 3 - Sustainability Engineering/Rapid Prototyping/Design of Experiment/Design of Aerospace Structures / Introduction to Robotics - Professional elective 4 - Design automation with IoT/Reverse Engineering/Optimization through MATLAB / Introduction to Hybrid and Electric Vehicles/3D Printing	- Project Work Phase- I - Societal Project - Internship
S- IV		Project work phase -2

M Tech in



Structural Engineering (CSE)

Semester I

- Numerical Methods and Optimization Techniques
- Artificial Intelligence and Applications in Civil Engineering
- Building Information Modelling (BIM)
- Professional Elective -1- Ground Improvement Technique/ Material Characterization/Non-destructive testing for Civil Engineering/Remote Sensing & GIS
- Professional Elective-2- Environmental Geotechnology/DPR Preparation/ Advanced Surveying and Location Composite Materials
- Research Methodology and IPR

- Computational Lab

Semester II

- Advanced Design of Steel Structures
- Finite Element Method of Analysis
- Professional elective 1 – Theory of Plates and Shells/Design of Precast ad Composite Structures/Earthquake Resistant Structures/Advanced Structural Analysis
- Professional elective 2– Stability of Structures/Design of High Rise Structures/Design of Masonry Structures/Reliability Analysis of Structures

- Structural Engineering Lab-II
- Mini Project with Seminar
- Any SWAYAM /NPTEL Course

Semester III

- Design of Bridges
- Professional elective 3 – Design Concepts of Substructures/ Composite Materials/Design of Industrial Structures/Structural Health Monitoring
- Professional elective 4 – Advanced Concrete Technology/Fracture Mechanics in Structural Engineering/Retrofitting and Rehabilitation of Structures/Green building Technology

- Project Work phase -1
- Societal Project
- Internship

S- IV

- No Theory

- Project work phase -2

M Tech in



Artificial Intelligence and Data Science (SAD)

Semester I

- Mathematics Course Stream
- Fundamentals of Data Sciences
- Artificial Intelligence and Machine Learning
- Human Computer Interface
- Advanced Data Structures
- Research Methodology and IPR

- Artificial Intelligence and Data Science Laboratory
- BOS recommended ONLINE courses

Semester II

- Advanced Database Management and NoSQL
- Deep Learning
- Professional Elective 1 (Financial Data Analytics/Business Intelligence and Analytics,Predictive Analysis/Decision Support System/Cloud Computing)
- Professional Elective 2 (Natural Language Processing/Big Data Analytics/Blockchain Technology/Agile Technologies/Virtual Reality)
- Mini Project with Seminar

- Database Management and NoSQL Laboratory
- Suggested ONLINE courses

Semester III

- Internet of Things and Applications
- Professional Elective 3 (Image Processing / Semantic Web and Social Network / Business Intelligence and Analytics / Decision Support Systems / Pattern Recognition)
- Professional Elective 4 (Data and Web Mining / Computer Vision / Artificial Intelligence in Cyber Security / Cyber Security and Cyber law / Object Oriented Design)

- Societal Project
- Internship

S- IV

- No Theory

- Project work phase -2



FACILITIES AT VVIT



- Separate Hostels for Boys and Girls are located within the campus along with Dining Halls.
- Well furnished modern facilities and good ambience.
- The mess provides hygienic and nutritious food and the facilities certified by Food Safety and Standards Authority of India (FSSAI).
- CCTV Surveillance in all Hostels blocks.
- Resident Wardens are available round the clock.
- Care for medical emergencies.

Rules

- To use Water and Electricity economically in the institute/hostel. To Switch off the lights, fans, computers, equipments while going out of the room/ lab.
- To carry the identity card and produce on demand.
- Those who join hostels are to abide by rules/regulations of the hostel.
- Maintain general hygiene while in canteens and throw away wastes only in Dustbins.
- Observe timings for going to Canteens. During College hours, students must not visit canteens.
- Not to write on benches, walls or doors.
- To throw the garbage only in the dustbins.
- To keep our campus neat and clean.
- Observe speed limits while riding /driving within the campus.



Vision

To become an R&D Center with a commitment to perform original R&D work on par with global standards.

Mission

To provide a research and development environment that supplements the engineering curriculum so as to focus on the current technological needs and industrial requirements in the country matching with global standards.

RESEARCH

The Research and Product Innovation Cell (R&D Center) aims at imparting inventive and research oriented engineering education to students by enabling them to become capable of solving practical problems of society with innovative methods and processes. As mere theoretical engineering education with standard laboratory work is insufficient to make the students employable by the time they complete their curricular study, the center aims at honing their independent thinking ability, problem solving skills, and entrepreneurial skills so as to empower them to contribute towards the economic development of the country. Students are trained for conducting practical research, and for developing useful products starting from conceptual ideation up to prototype completion.

The center is well equipped with tools and computer hardware and software systems for conducting university level research work and developing prototypes of products.

Name	Designation	Department	Phone Number
Chairman	Dr. Sanjeev C Lingareddy	Principal, CSE	9986049659
Co-Ordinator	Dr. Leena K	HOD, ECE	7760676245
Members	Dr. Loganathan R	HOD, CSE	9448417664
Members	Dr. Krishnamurthy	HOD, Mechanical	9343037974
Members	Dr. Naveen Ghorpade	HOD, AI and ML	9980731129
Members	Dr. Naznin Taj	HOD, CSE in AI and ML	9742757047
Members	Shwetha Rani M	Assist Professor ECE	9845454006
Members	Chindu Mohan	Assist Professor Civil	9980733804



LIBRARY COLLECTIONS

- **Title & Volume Statistics** : Title: 7000 Volumes: 30456
- **SC/ST Book Bank Books** : Title: 550 Volumes: 1450
- **Reference Books** : 2000
- **Print Journals** : 98 journals of which 56 National & 42 International
- **Library Automation Software** : Easylib & Koha

LIBRARY FACILITY

- Internet Facility
- Digital Library Facilities
- WIFI Facilities
- SC/ST Book Bank

LIBRARY SERVICES

- Circulation Service
- Reference Service
- Reprographic Service
- Reading Service
- News Paper & Magazine Service

LIBRARY & INFORMATION CENTER

The Library and Information Center is the intellectual IT Hub of the institution offering a Rich collection of e-resources that support Both academic research and Personal Development Equipped with an extensive range of e-Books, e-journals, Digital Databases, and Multimedia Materials the center provides students and faculty with the tools they need to explore, discover, and innovate in addition to serving as a repository of knowledge the center also offers a quiet and conducive environment from Librarian who assist in navigating the vast array of available information. Through its Services the Library and Information Center plays a crucial role in fostering a culture of Learning and inquiry within the academic community.



LIBRARY MEMBERSHIP

- Students and Staff have to Sign in the Library Movement Register when entering the library.
- A Maximum of Three Books Borrowed From the Library at Library Working Hour
- Books Will be issued only if the staff/students produces his/her ID Card
- Personal Books and Files are not to be taken inside the library, and are to be placed in the library property counter.
- Maintain Silence and Discipline in the library, mobiles are not allowed inside the library and will be confiscated if found.
- Reference Books is not for circulation.
- Do not make any mark with pen/pencil in the book; do not fold/tear the pages.
- The issued books will be checked for damages on return time, the students/staff are liable to pay fines for damages.
- If any book is reported lost after borrowing than twice the cost of the book will payable as fine.
- The reference books taken from the shelves must be left on the table.
- SC/ST Books will be issued only if students produce his/her SC/ST Certificate.
- A Maximum Five Books can be borrowed for staff member.

LIBRARY E-RESOURCES

- | | | | |
|--|--------------|---------------|----------------------|
| • VTU Consortium E-Resources | • SPOC NPTEL | • Shodhaganga | • Inter Library Loan |
| • National Digital Library of India (NDLI) | • SWAYAM | • KPDL | |



Best Practices

- Mentorship Program: One mentor for every 20 students assigned, to monitor their academic progress and for personal counselling.
- Online Grievance Redressal to address the students grievances.
- Digital Payments System: Payments through POS, NEFT and UPI platforms.
- Purified Water: RO Water Purifier used to ensure availability of portable drinking water in the campus.
- Rainwater Harvesting: 3,00,000 liter rainwater harvesting tank filled from roof top collections.

SALIENT FACILITIES AT VVIT

- Over 500+ computer systems
- Internet: 1000 MBPS Dual Fiber Line with contention ratio 1:1, Wifi Campus
- State of the art Digital Classrooms with Touch Panels.
- Modern Seminar Halls.
- Extra-Curricular Activities: Inter-Collegiate Sports and Cultural Competitions, VTU Fests, Arts Club, Coding Clubs, Sahasra College Magazine etc.
- Life and Accidental Insurance for Staff and Students.
- CCTV Surveillance in academic and hostel blocks.
- Student progress with software and regular PTMs.
- Transportation: College buses to all parts of Bangalore.
- Scholarship and Awards: In addition to the Government scholarships, needy and meritorious students are provided with fee concessions based on their performance.



SPORTS FACILITIES



VVIT encourages a well formed mind and healthy individual, and sports is an important part of college life.

- Hostel has a play field to encourage Football, Volleyball and Cricket.
- Indoor Facilities include Badminton, Table Tennis, Carrom and Chess.
- Students are sponsored to take part in Inter-Collegiate matches and in tournaments conducted by VTU.
- A well equipped Gym inside the Indoor Games Facility.
- Yoga classes and Dance classes organized by the Physical Education Director.



**INTERNATIONAL
YOGA DAY**



CHESS
VVIT, ANNUAL
SPORTS EVENTS



CARROM
VVIT, ANNUAL
SPORTS EVENTS



FOOTBALL



**SHUTTLE
BADMINTON**
VVIT, ANNUAL
SPORTS
EVENTS



**BASKET
BALL**



TABLE TENNIS
VVIT, ANNUAL
SPORTS EVENTS



KABADDI
VVIT, ANNUAL
SPORTS EVENTS



KHO-KHO
VVIT, ANNUAL
SPORTS EVENTS



**SHUTTLE
BADMINTON**
VVIT, ANNUAL
SPORTS EVENTS



VOLLEYBALL



GIRLS THROW BALL
VVIT, ANNUAL
SPORTS EVENTS



SAY NO TO RAGGING YES TO JOYFUL CAMPUS



Before you even THINK of RAGGING

Anti-Ragging Committee

Chairperson	Dr. Sanjeev C Lingareddy	Principal	9986049659
Coordinator	Dr. Virendra Kumara K N	HOD, CV	9164347804
	Prof. Chindu Mohan	Assistant Professor (CV)	9980733804
	Prof. Sushma R	Assistant Professor (CSE)	7829125447
	Prof. Lakshminarayana	Assistant Professor (ME)	9448249350
	Prof. Prakash V	Assistant Professor (ECE)	9487393963
Members	Prof. William Deepan	Assistant Professor (CSE AIML)	8867745782
	Prof. Radha G	Assistant Professor (Basic Science)	8951653782
	Ms. Mallareddygar Gayathri	Student Representative	8861089995
	Mr. Siddesh R	Student Representative	8904669519
	Police Inspector, Kothanur Police Station	Ex-Officio Member	

Anti-Sexual Harassment Committee

	Name	Designation	Department	Phone no
Chairperson	Dr. Sanjeev C Lingareddy	Principal	CSE	9986049659
Coordinator	Dr. Leena K	HOD	ECE	7760676245
	Ms. Uthpala R V	Asst Prof	CIVIL	9886147067
	Mrs. Radha.G	Asst Prof	BASIC SCIENCE	8951653782
	Mrs.Shivaleela	Asst Prof	CSE in AIML	6360655542
Members	Mrs.Keerti Priya	Asst Prof	AIML	7799008997
	Mr.Nagaraj	Asst Prof	MECH	9880206963
	Mehhab	Student Representative	ECE	7795459160
	N.Deepika	Student Representative	CIVIL	7676185949
	Kalpana.S	Student Representative	MECH	8139935184
	Gayatri	Student Representative	AIML	8861089995
	Naresh	Student Representative	CSE in AIML	9686165574
	Roshini	Student Representative	CSE	9538158857
	Kamarthi Gowri	Student Representative	BASIC SCIENCE	6305609802



PLACEMENT ACTIVITIES



The Placement Cell helps to assist the development of graduates with a balanced set of technical skills, interpersonal skills and with a positive attitude to life. The Placement Cell provides one of a kind training to the students in various phases: C, C++, Java training, Python, Advanced Java, .NET training, Embedded System and Software training. These training programs are conveyed with live demonstrations and experts from Industry are invited to cover key topics, along with soft skill development, Personality Development (PD) and Career Orientation counseling. The Cell aims at building a computerized database of the students Curriculum Vitae to serve the industry through continuous interaction with reputed companies.

Value added courses in AIML, Data Science are imparted in the final year along with Internship program to enhance employability. VAC in CATIA, AUTOCAD and Autodesk are also provided

Soft Skill Training

With emphasis on communicating purpose and presenting projects perfectly, various soft skills are imparted in a variety of value added programmes at the college. Along with a strong academic base, these attributes are an important pre-requisite for success in the global market. The soft skill training is imparted from professional training centers.

Key Recruiters



VTU RANKS & GOLD MEDALS



GOLD MEDAL
VTU Rank
ANIL KUMAR M N
M. Tech
(Construction Technology)



VTU Rank
SANJAY GOWDA S
M.Tech
(Construction Technology)



VTU Rank
ARPITHA D J
M. Tech
(Construction Technology)



VTU Rank
SANDHYA H T
M.Tech
(Construction Technology)



VTU Rank
MANASA B
M.Tech
(Construction Technology)



VTU Rank
IRUM HUSSAIN
BE. Dept. of Civil Engineering
VTU Examination



VTU Rank
DIPENDRA K MANDAL
M.Tech
(Structural Engineering)
Dept. of Civil Engineering



VTU Rank
SHANKAR NATH
BE. Dept. of Mechanical Engineering,
VTU Examination



VTU Rank
INDRAJIT RAY
BE. Dept. of Civil Engineering
VTU Examination

21
Ranks

200
Recruiters

6K
Alumni

10
Acres

• 98% Quality Placements • 700+ Students Placed
• International Academic Collaborations



Somashekar
(6LPA) CSE, 2024 | ACADEMOR



Smitha A
(6LPA) CSE, 2024 | ACADEMOR



Anitha Pal
(6LPA) CSE, 2024 | ACADEMOR



Manoj S
(10LPA) ECE, 2024 | Stellar



Jack Stephen G
(10LPA) ECE, 2024 | Stellar



Manjula BU
(5LPA) ECE, 2024 | Glow Logics



Lavanya H D
(6LPA) CSE, 2024 | ACADEMOR



Vaishnavi
(6LPA) CSE, 2024 | ACADEMOR



Sindhu Rani
(6LPA) CSE, 2024 | ACADEMOR



Nisarga S
(6LPA) CSE, 2024 | EXCELR



Milan Vasudev
(10LPA) CSE, 2024 | OTIS



Rakshit
(10LPA) CSE, 2024 | L&T



Pradeep M
(6LPA) CSE, 2024 | L&T



Kanishka TM
(6LPA) CSE, 2024 | L&T



Deepthi G
(10LPA) CSE, 2024 | Rinex



Komala Reddy
(10LPA) CSE, 2024 | Rinex



Vinay M Naik
(6LPA) CSE, 2024 | SmartEd



Khamar Ali
(6LPA) CSE, 2024 | Smart ED



Shobith T Raj
(6LPA) CSE, 2024 | L&T



Naveen Kumar B
(5.5LPA) CSE, 2024 | CIE GOLDE



Chandrasekhar
(6LPA) CSE, 2024 | Teachnook



Syed Irfan
(6LPA) CSE, 2024 | SmartEd



Dhanalakshmi K
(6LPA) CSE, 2024 | Teachnook



Md. Saad khan
(5LPA) CSE, 2024 | ACADEMOR



Syed Ishtiaq
(5LPA) CSE, 2024 | ACADEMOR



Aftab J
(6LPA) CSE, 2024 | ACADEMOR



Jeevitha R
(10LPA) AIML, 2024 | Rinex tech



Archana K B
(10LPA) AIML, 2024 | Rinex tech



Vankadari S
(10LPA) AIML, 2024 | Rinex tech



Monika M
(10LPA) AIML, 2024 | Rinex tech



Kaushik Reddy
(12LPA) CSE, 2024 | STELLARAA



Manoj V
(12LPA) CSE, 2024 | STELLARAA



Tharun DG
(6LPA) CSE, 2024 | ACADEMOR



Neha Reddy
(12LPA) CSE, 2024 | STELLARAA



Mahalakshmi A
(5LPA) AIML, 2024 | Rinex tech



Shreyas Babu
(10LPA) AIML, 2024 | Rinex tech



Fouzal M
(5LPA) AIML, 2024 | SmartEd tech



Sneha Bharthi
(12LPA) AIML, 2024 | STELLARAA



Chaithra
(7LPA) CSE, 2024 | Rinex



Pallavi N
(7LPA) CSE, 2024 | Rinex



Vishnu Kumar
(6LPA) CSE, 2024 | ACADEMOR



Sinchan P
(6LPA) CSE, 2024 | GLOW



Priya Kumari
(6LPA) CSE, 2024 | ACADEMOR



Rakshitha T
(6LPA) CSE, 2024 | ACADEMOR



Keerthika G
(6LPA) CSE, 2024 | ACADEMOR



Sanket Sanskar
(6LPA) CSE, 2024 | ACADEMOR



Pranay Gopinathan
(12LPA) CSE, 2024 | STELLARAA



Vaishnavi
(12LPA) CSE, 2024 | STELLARAA



Anil Kumar N
(6LPA) CSE, 2024 | RINEX



Saurabh
(9LPA) CSE, 2024 | RINEX



Ajisha C K
(12LPA) CSE, 2024 | STELLARAA



Ashuthosh Jha
(6LPA) CSE, 2024 | TEACHNOOK



Bharthi P
(12LPA) CSE, 2024 | STELLARAA



Deepthi G
(12LPA) CSE, 2024 | STELLARAA



Management development programme held by MSME Technology Center Bengaluru.



Training program on "Enhancing Skill development on Gen AI".



BRIDGE'24 - ICT Academy at Bengaluru - An industry academia interaction forum.



Training program on green and AI Skills Program.



Former Vice Chancellor Dr. Karisiddappa VTU Belagavi at Vijayotsava VVIT Bengaluru.



▶ Former Vice Chancellor, Bangalore University, Dr. Venugopal K R at Vijayotsava VVIT Bengaluru.



VVIT @ Startup Mahakumbh in New Delhi.



Main entrance at VVIT.



Kannada Rajyotsava Celebrations at VVIT.



AI&ML farewell at VVIT.



FAB STAR at VVIT - Young singer talent hunt.



Induction program for first year.

Bachelor of Engineering

• Civil Engineering • Computer Science & Engineering (AIML) • Computer Science & Engineering (Data Science) • Artificial Intelligence & Machine Learning • Electronics & Communication Engineering • Mechanical Engineering

Duration : 4 Years (8 Semesters)- Full Time

Eligibility : Candidates should have passed PUC/10+2/ or equivalent with 45% aggregate in PCM (40% in case of candidates belonging to reserved category, SC/ST/CAT-I). Diploma Candidates should have minimum aggregate of 45% (40% in case of candidates belonging to reserved category) for Lateral Entry.

Non-Karnataka Candidates are also eligible for Lateral Entry.

Duration : 3 Years (6 Semesters)- Part Time

Master of Technology

• Structural Engineering • Construction Technology • Machine Design
• Computer Network Engineering • Artificial Intelligence & Data Science

Duration : 2 Years(4 Semesters) - Full Time

PG courses in VTU : To be admitted to an M.Tech program at Visvesvaraya Technological University (VTU), candidates typically need a B.E./B.Tech degree in a relevant field with a minimum of 50% aggregate. A valid GATE (Graduate Aptitude Test in Engineering) score is also generally required. Karnataka PG CET (Post Graduate Common Entrance Test) or other approved entrance exams can also be used for admission.

A B.E./B.Tech degree in a relevant engineering or technology field from a recognized university is a fundamental requirement. Minimum Aggregate Marks: Candidates must have secured a minimum of 50% aggregate marks in their undergraduate studies.

Ph D program

- The Programme of study, which is a Research Programme, shall be called the Doctor of Philosophy degree, abbreviated as Ph.D., followed by specialization indicated within brackets.
- The duration of the Programme for Ph.D. degree:
 - Ph.D. programme shall be for a minimum duration of 3 years for Full-Time and 4 years for Part-Time, including course work, and a maximum duration of 6 years for all from the date of admission to the Ph.D. programme.
 - Ph.D. Integrated Full-Time programme shall be for a minimum duration of 5 years (eg: M.Tech/M.Sc.(Engg.) with Ph.D)
 - Provided, in exceptional circumstances, the University, on the recommendation of the RAC & approval of the Vice Chancellor, may extend the duration of the Programme, for a maximum period of another 2 years. Provided, however, that the total period for completion of a Ph.D. programme should not exceed 8 years from the date of admission.
 - The Research Scholar shall also pay the stipulated fee as fixed by the University for the extended period. If the Research Scholar fails to submit his/her thesis within the extended period, their Ph.D. registration shall lapse automatically.
 - Provided further that, female Research Scholars & Persons with Disabilities (having more than 40% disability) may be allowed an additional relaxation of 2 years; however, the total period for completion of a Ph.D. programme in such cases should not exceed 10 years from the date of admission in the Ph.D. programme.
 - Female Research Scholars may be provided Maternity Leave/ Child Care Leave for up to 240 days in the entire duration.

General Rules

- All the students should be present on the reopening day.
- Students are to be punctual and regular for lecture classes and submit assignments, records, homework etc., in time.
- Regularity, obedience, courtesy in speech and conduct, respect for elders, cleanliness in dress and person is expected from every student.
- Students are to maintain strict silence in the classes and labs and must not wander about.
- Students are encouraged to maintain good progress and conduct.
- Students are expected to develop the habit of wishing Inmates, Faculty and Elders.
- Students are to equip themselves with approved drawing materials, instrument boxes and record notebooks as required.
- Nobody should sit on the corridor walls.
- Give way to teachers, staff and visitors while moving in the corridors, on the staircases and other places in the campus.
- Behave in such a manner that suits a cultured engineer.

Ragging in any form is illegal and is strictly forbidden. Severe action will be taken against those who indulge in ragging, strike or any such undesirable activities. Govt. of Karnataka has banned Ragging in Educational Institutions by passing government Order.

Hence any one indulging in Ragging will be punished as follows:

- Imprisonment up to a term of 2 years fine up to Rs. 10,000/-
- Student convicted for Ragging will be dismissed from the Institution and shall not be admitted to any other Educational Institution
- Hence all students particularly the senior students have been advised not to indulge in Ragging but to rise up totally against this evil.
- Students are required to wear their Identity Cards whenever they are in the college campus and also when they travel using the college transport. Not wearing the identity card will be considered an act of indiscipline.
- All students are expected to fill the student file which will be supplied to them after they joining the college. These files form a record of their progress and achievements throughout their study in the college.
- Students have follow the Lab dress code in the respective Laboratory.
- Lab equipments should be handled carefully with precaution as per laid down instructions. Students will have to pay for the breakages, if any.
- Safety Norms are to be adopted in the day to day working.
- Any malfunctioning and damage of equipments must be informed to lab instructors.
- Prior permission is required from lab-in-charge for doing experiments/Project work in extra lab hours.
- Students are expected to submit the records in respect of previous experiment when they come for the next laboratory class.
- Students should not miss theory classes and are not to visit the labs/Internet during lecture hours.
- The observation notebooks should be ready before the commencement of any experiment students should get the readings/calculations/result approved by the end of the lab session.





- Male students should wear college provided T-shirts with collar. Indecent buckles in belt are not allowed. Female students are expected to wear college T-shirts with decent pants. Salwar kameeze or Chudidhars with duppattas neatly pinned on non uniform days. Half sarees, skirts, jeans, frocks or any other indecent tight fitting dresses are not permitted.
- No loose Garments are permitted in the workshop/Laboratories. Footwear used should be securely strapped at the heel. All students have to wear leather shoes in the workshops and also overcoats/uniform as needed.
- Wearing Hawaii slippers is prohibited from the point of view of safety and decency.
- Maintains satisfactory academic progress and Maintains good conduct/ character.
- Leave will be granted in exceptional cases for valid reasons like hospitalizations.
- The original certificates submitted by students at the time of admission to the college will be returned after completion of the course. The course completion certificate, transfer certificate and conduct certificates will be issued only when the students complete the course satisfactorily and leave the college.
- Cell-phones are not allowed in college premises. Failure to adhere to this instruction will lead to disciplinary action/Fine of Rs.500/-will be charged.
- Smoking/chewing tobacco, spitting is strictly forbidden in the college & Hostel premises.
- The use of alcohol and drugs are strictly prohibited. A student found using or having used alcohol, drinks, drugs or any other intoxicants will be summarily dismissed from the college.
- Students are advised to participate in in-house/outside conferences and seminars and present technical papers with the guidance and prior permission of HOD/Principal.
- Loss/Theft of ID Cards/Library cards and change of address or contact Telephone Numbers should be informed to HOD/College Office without delay. Fine of Rs.100/- will be charged.

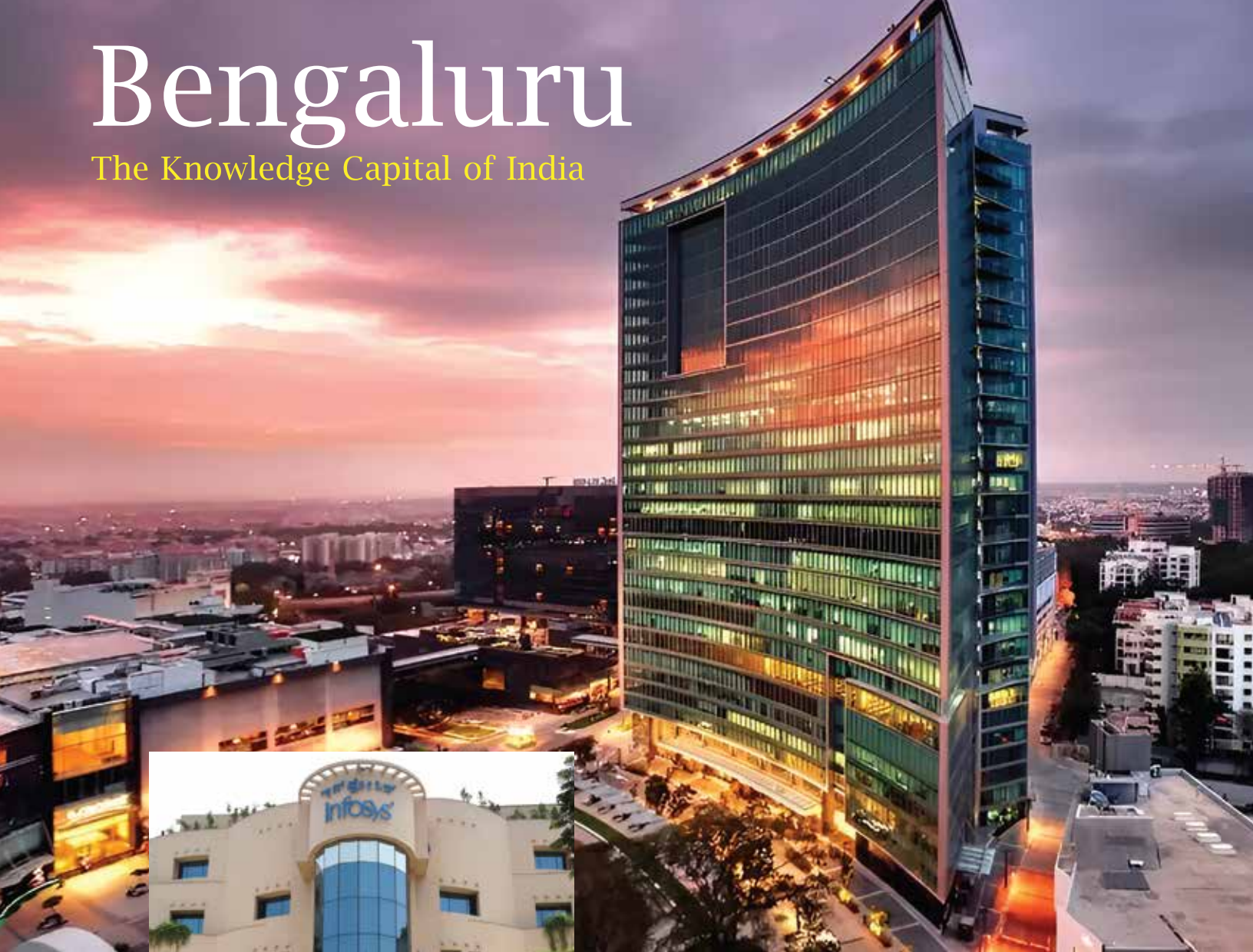
Attendance and Leave



- The attendance rules are given below and will be strictly followed.
- HB Below 85%: Not permitted to appear for VTU Examinations. Detained in the respective year/semester of the course and to repeat the course next year.
- HM 85% and above: Allowed to appear for VTU Examinations and proceed to next semester.
- A student who is continuously absent for 15 days without a valid reason will be removed from the rolls of the College.
- Remaining absent from the Institute without prior permission of the authority is strictly prohibited.
- The students involved in common off (mass bunking) are liable to heavy fine, and Punishment decided by the Institute from time to time.
- The students involved in common off or having less attendance in class shall be expelled from the hostel. The authorities will lose sympathy towards such students.
- Leave letters should be counter signed by parents/guardians/ hostel warden.
- Leave letters on medical grounds should be accompanied by medical certificate.
- Medical Certificates, if necessary, will be verified and the decision of the principal is final.
- Generally prior permission should be obtained, before availing leave.
- HB Whenever prior permission could not be obtained, the leave letter should be submitted within 2 days after reporting to the college or within 4 days from the commencement of leave whichever is earlier.
- Students who are participating in state/national/inter College level sports. They should get prior permission from principal followed by physical education director. The number of day's permission can be given per students is under VTU norms only.
- Academic progress: 70% or more marks in each subject will be considered as satisfactory performance in class tests and model examinations. If the performance is not satisfactory student may be prevented from appearing for University examination.
- Internal Assessment marks: Internal Assessment of 50 marks will be calculated based on the marks scored in the Unit Tests/Internals/Assignments/Class works/Attendance.
- If the students have not completed assignment (subject wise), attendance will not be given till they submit the assignment.
- The cases of students who have poor academic performance or inadequate attendance will be reviewed at staff council meeting every week/month such students will be counseled.

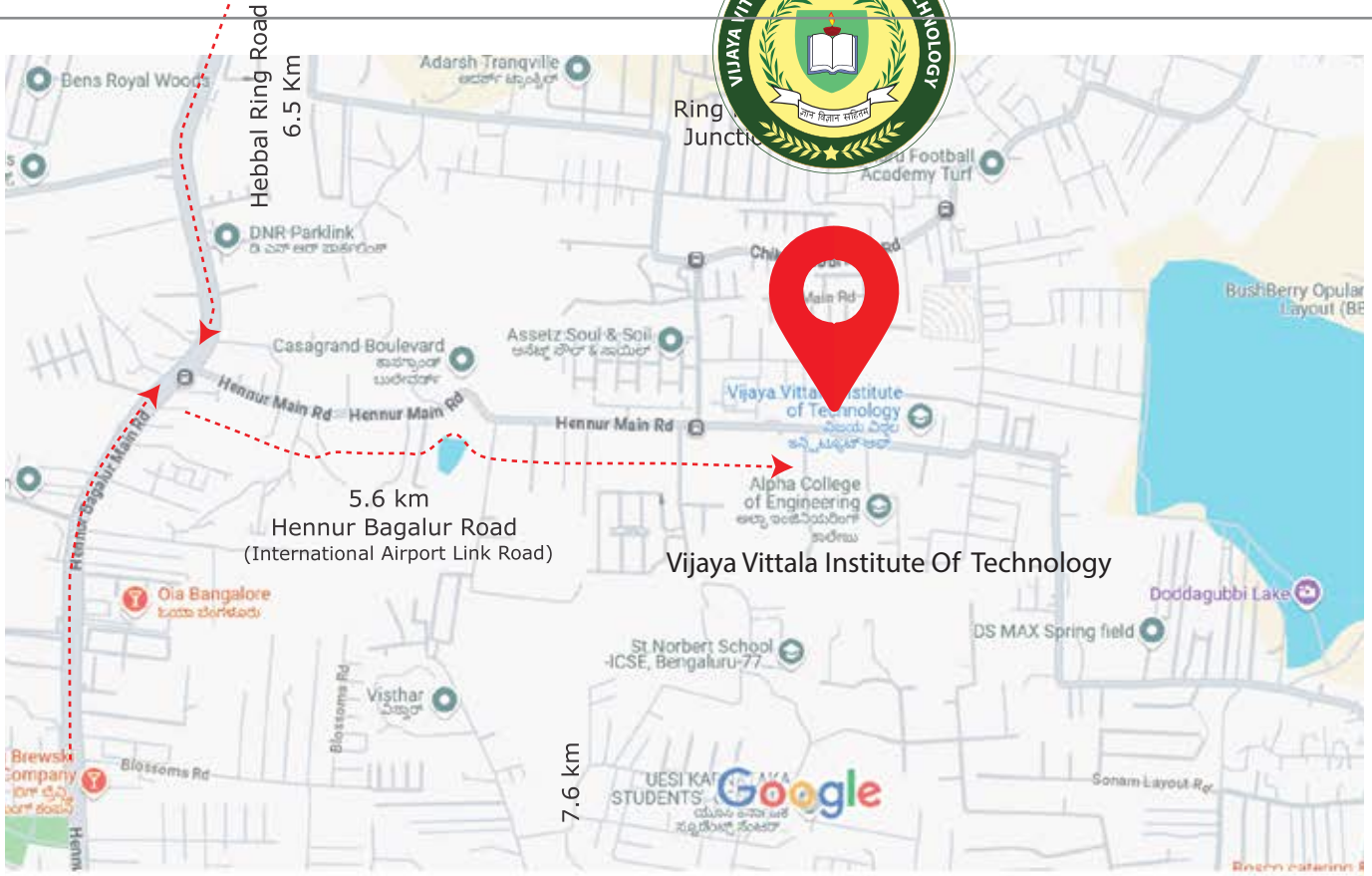
Bengaluru

The Knowledge Capital of India



Bengaluru is regarded as one of India's safest cities and is rich in history, culture, diversity and activity. Bengaluru, once known primarily for its climate and beautiful gardens, has over the years transformed into a breathtaking landscape of premier research institutions and global majors engaged in hi-tech industries of Space Research, Satellite Technology, Software and Hardware Design Centres, even while retaining and preserving all its old world charm.

Bengaluru is leading the country into the twenty-first century with booming software exports, and it has put India firmly on the world map of cutting edge technology and rightly called the Knowledge Capital of India.



BMTC ROUTE NUMBERS: City Bus Station (Majestic): 296, 296A, 296N | KR Market: 293, 293B, 294D | Shivaji Nagar: 293G



6

POINT OATH FOR STUDENTS

- I Have to set a goal in my life and to achieve this goal, I will acquire the knowledge needed to succeed.
- I will work with courage to achieve success in all my tasks and enjoy the success of others.
- I shall always keep myself, my home, my surroundings, neighborhood and the environment clean and tidy.
- I realize righteousness in the heart leads to beauty in the character, beauty in the character brings harmony in the home, harmony in the home leads to order in the nation and order in the nation leads to peace in the world.
- I will lead an honest life free from all corruption and will set an example for others.
- I will light the lamp of knowledge in the nation and ensure that it remains lit for ever.

www.svvit.org | CET CODE: E188 | Comed-K: E205



📍 **Vijaya Vittala Institute Of Technology**
#35/1, Hennur-Baglur Road (New Airport Road)
Kothanur Post, Bengaluru - 560 077

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