REFLECTIONS

DEPARTMENT OF INFORMATION TECHNOLOGY

Vision of the Department:-
To be recognized as a centre of excellence in the field of Information Technology where learners are nurtured in a scholarly environment to evolve into competent professionals to benefit society.

Mission of the Department:-
•Evolve a curriculum which emphasizes on strong engineering fundamentals with the flexibility to choose advanced courses of interest and gain exposure to tools and techniques in Information Technology.
•Encourage a teaching learning process in which highly competent faculty share a symbiotic association with the institutes of repute.
•Facilitate creation and dissemination of knowledge through a digitally enabled earning environment.
•Develop academic and infrastructural facilities with modern equipment and other learning resources and encourage reciprocal sharing with other institutes through networking.
•Establish a centre of excellence to enhance academia – industry partnership and work on collaborative projects.

Programme Educational Objectives (PEOs) :-
1: Graduates will possess the fundamental knowledge, theoretical background and technical skills to lead a successful career in diverse domains.
2: Graduates will analyse real life problems and design technically sound, economically feasible and socially acceptable solutions in multidisciplinary domains to generate the employment by inculcating entrepreneurial spirit
3: Graduates will exhibit professionalism, ethics, teamwork, social awareness and agility through life-long learning.

WHAT'S INSIDE

PROF. DR. VIDYA CHITRE

HEAD OF DEPARTMENT, INFORMATION TECHNOLOGY

Dear Faculty, Staff, Students, and Alumni,
As the Head of the Information Technology Department, I take great pride in watching our students evolve from eager learners into skilled professionals ready to face the challenges of tomorrow's digital world. Our department is committed to providing an educational environment that fosters innovation, critical thinking, and technical expertise, all essential in this rapidly advancing field.

As we move forward, the IT Department remains committed to equipping students with the skills, knowledge, and mindset needed to succeed in the dynamic field of technology. Our goal is to continue nurturing innovative thinkers who will drive the digital revolution and contribute meaningfully to society. Together, we are building the future of IT.

Visit to Microsoft for the event " Code without barriers"

Date of Visit: 14/12/2024, Microsoft Pvt ltd.

Code without barriers is an initiative of Microsoft for women coders with a mission to provide Learning, Mentorship and networking opportunities. The event was organised by Nilesh Shinde and team, focusing on Cloud Computing and Large Language Models (LLMs). VIT was one of the co-partners of the event.

ITSA activity-

"The Grand Line Tech Quest"

Date of activity: 01/10/2024vt ltd.

ITSA event The Grand Line Tech Quest , took place on 1st October 2024.This immersive experience was designed to engage students with various technical concepts in programming. Each level represented unique puzzles, coding challenges including Cryptographic tasks.

Prof. Santosh Tamboli published copyright on "Robust Cyber-attacks detection leveraging transfer learning, November 2024"

Department Staff

Prof. Santosh Tamboli
Assistant Professor

EDUCATION QUALIFICATION:
M.E(Computer Engineering)

WORK EXPERIENCE: 19 YEARS

AREA OF SPECIALIZATION:
DSA, Graphs, OOP

Prof. Vinita Bhandiwad
Assistant Professor

EDUCATION QUALIFICATION:
Pursuing Ph.D. in EXTC

WORK EXPERIENCE: 10 YEARS

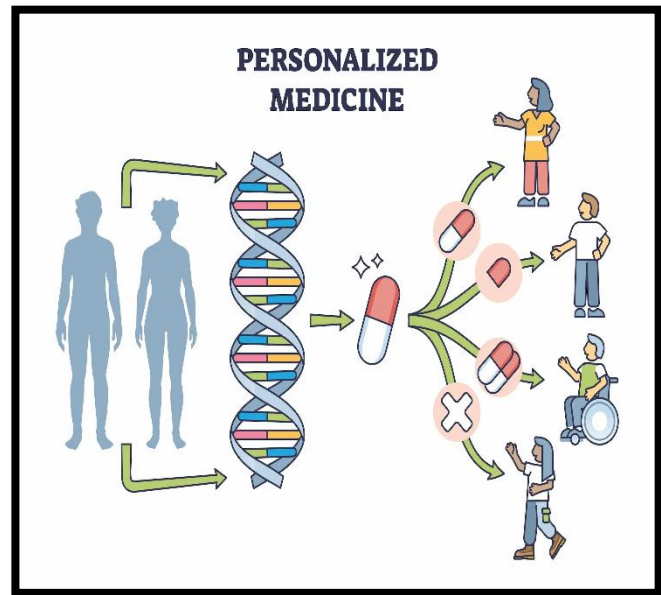AREA OF SPECIALIZATION:
IOT, MACHINE LEARNING

Personalized medicine using AI

The personalized medicine and treatment approach uses genetic, environmental, and lifestyle factors to diagnose and treat diseases precisely. Advances in genomics and biotechnology have enabled doctors to select treatments that maximize effectiveness and minimize side effects. Personalized medicine is particularly transformative in oncology, where specific therapies can target genetic mutations in cancer cells, leading to better patient outcomes.

In personalized medicine, several AI algorithms are used to analyze medical data and tailor treatments to individual patients. Some of the most common AI algorithms and techniques include:
Random Forest, SVM, KNN, CNN, NLP, RL

Alumni Speak
Yash Mahajan, 2023-24 pass out batch
Jio Platform limited

My time at VIT was a transformative experience. The strong academic foundation, combined with hands-on projects and internships, prepared me for real-world challenges in the engineering field. The faculty's guidance and the collaborative campus environment played a key role in my personal and professional growth. Since graduating, I've applied the skills I gained here to excel in my career, and I'm proud to be part of this vibrant alumni network.

Beyond academics, the vibrant campus life and extracurricular opportunities offered by the VIT enriched my overall college experience. Engaging in student organizations and participating in competitions allowed me to hone my leadership skills and expand my network.

Currently I am placed at Jio Platform as a Software Developer.

FACULTY ACHIEVEMENT: Smart India Hackathon 2024

SIH (Smart India Hackathon) is an initiative by the Government of India aimed at fostering innovation and problem-solving skills among students. It is a nationwide competition where participants, primarily from engineering and technical backgrounds, work on solving real-world challenges posed by various industries, government departments, and organizations.
Following faculty members participated in SIH 2024 :

- Prof. Vinita Bhandiwad and group
- Prof. Rasika Ransing , Prof. Rohit Barve and Group

Student's Speak
Mrugank vichare, TE INFT A (Batch 2022)

As an engineering student AT vit, I've learned that engineering is not just about equations and theories—it's about creativity, problem-solving, and teamwork. Hands-on experiences, from building robots to developing software, have shown me how knowledge translates into real-world solutions.

Extracurricular activities also play a big role in shaping me as a well-rounded individual. Leadership, communication, and time management are essential skills I've developed through sports and student clubs.

Overall, engineering is a journey of constant learning, and I'm excited for the future as I continue to grow alongside brilliant peers and faculty.

Editorial Team

Prof. Bhanu Tekwani

Chief Editor