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. VIPUL DALAL

HEAD OF DEPARTMENT, INFORMATION TECHNOLOGY

Hello Everyone,

This is a popular saying, "I hear and I forget, I see and I remember, I do and I understand". This is very pertinent for Higher Technical Education System. Such system is available in Vidyalankar Institute of Technology, so that students can understand the theoretical concepts by performing related practical and industrial hands-on. All are now gearing up for the coming semester. I would like to thank all my colleagues and the students for continuously contributing in the growth of the department. Many co-curricular activities are planned for the upcoming semesters which will sharpen various skills of the students and will help them become better learner. I wish a very Happy and Prosperous New Year to All.
Happy Leaning!!

" Learn as if you will live forever, live like you will die tomorrow. "

ITSA ACTIVITY: Prompt Engineering and GEN-AI

DATE: 11TH OCTOBER 2023
TIME: 4.00 PM-5.30 PM
Venue: AUDITORIUM

ITSA has been successful in organizing "Prompt engineering and generative AI" Event. The seminar took place on 11th October 2023 between 4 p.m. to 5:30 p.m in the Auditorium. Under the guidance and supervision of Prof. Bhanu Tekwani, Team ITSA with all the heads & core members successfully organized the event. It was an informative event that gave in depth knowledge about Prompt engineering and Generative AI . Hosted by Ms. Gopini Dhargave, Head of Documentation, the seminar provided necessary insights on the information related to the algorithm behind Generative AI, followed by discussing its uses in Ecommerce services, along with examples of prompts related to the same. This Session was conducted by Mr. Naveen Balani, an entrepreneur, researcher, innovator, an award-winning author and contributor to over 10 patents and 100+ technology publication series on Gen AI, Prompt engineering, Multi-Cloud, IoT and Blockchain technology. The speaker offered insights regarding the life cycle of a prompt, the ethical aspects of Gen AI followed by using prompt engineering for productivity, visualization of concepts, simulation, brainstorming, augmenting your knowledge, getting feedback, understanding new concepts in simpler ways and more. The event ended with QnA and doubts from the audience and discussion on the impact of AI in technology. Overall it was an informative as well as an interactive event

Department Staff

Dr. Sushopti Gawade
Professor

EDUCATION QUALIFICATION:
Ph.D. (Computer Engineering)

WORK EXPERIENCE: 25 YEARS

AREA OF SPECIALIZATION:
USABILITY ENGINEERING, UI/UX
DESIGN

Prof. Shruti Agarwal
Assistant Professor

EDUCATION QUALIFICATION:
Pursuing Ph.D. in INFORMATION
Technology

WORK EXPERIENCE: 08 YEARS

AREA OF SPECIALIZATION:
COMPUTER GRAPHICS, OOP

What is PWA?

A progressive web application takes advantage of the latest technologies to **combine the best of web and mobile apps**. Think of it as a website built using web technologies but that acts and feels like an app. Recent advancements in the browser and in the availability of service workers and in the Cache and Push APIs have enabled web developers to allow users to install web apps to their home screen, receive push notifications and even work offline.

Characteristics Of A Progressive Web App

Before we jump into the code, it is important to understand that progressive web apps have the following characteristics:

•**Progressive**. By definition, a progressive web app must work on any device and enhance progressively, taking advantage of any features available on the user's device and browser.

•**Discoverable**. Because a progressive web app is a website, it should be discoverable in search engines. This is a major advantage over native applications, which still lag behind websites in searchability.

•**Linkable**. As another characteristic inherited from websites, a well-designed website should use the URI to indicate the current state of the application. This will enable the web app to retain or reload its state when the user bookmarks or shares the app's URL.

•**Responsive**. A progressive web app's UI must fit the device's form factor and screen size.

Student's Speak

HANESH IYER, **TE INFT DIV B (BATCH 2021-2025)**

"Engineering is the closest thing to magic that exists in the world."

My journey to engineering wasn't always linear, but one thing has remained constant: a profound fascination with how technology shapes our world. I have always been curious about how things work and how I can turn my ideas into reality. Learning engineering was my way of satisfying this curiosity. With the support of my parents, I entered the world of engineering, which fostered my problem-solving skills and helped me bring my ideas to life.

However, it's important to note that engineering is not without its challenges. There were bugs, errors, and moments where I questioned my sanity and even my choice of major. But these challenges are what made my journey rewarding. Each line of code that works and every problem that is solved feels like giving life to something that was once just an idea and let me assure you, that feeling never gets old. With the help of a stimulating environment, I have been able to solve such problems and give birth to my ideas. Currently, I am exploring the fields of artificial intelligence and machine learning to address issues faced by people with disabilities. Through engineering, I aim to develop technologies that can truly make a difference.

FACULTY ACHIEVEMENT: Faculty Felicitation

Felicitation of Dr.Dilip Motwani by Hon'ble VC UoM for working in capacity of Zonal Cordinator for the A.Y 2022-23

What is " Academics Bank of Credits "?

As per National Education Policy 2020, the Academic Bank of Credits (ABC) has been envisaged to facilitate the academic mobility of students with the freedom to study across the Higher Education Institutions in the country with an appropriate "credit transfer" mechanism from one programme to another, leading to attain a Degree/ Diploma/PG-diploma, etc.,

Features

•   Allows academic institutions to lodge and   maintain the integrity

     of the credits

•   Maintains the authenticity and confidentiality of student credits

•   Easy credit transfer through digital mode

•   Faster credit recognition

Know an Alumnus
SIDDHARTH SHUKLA,(BATCH 2022 PASSOUT)

As a proud alumna of Vidyalankar Institute of Technology, I reflect on my transformative journey through the corridors of innovation and knowledge. Studying Information Technology at this esteemed institution has not only equipped me with technical prowess but has also shaped me into a well-rounded professional ready to tackle the challenges of the ever-evolving tech landscape. The institute's commitment to academic excellence, coupled with a holistic approach to learning, has equipped me with the skills and mindset necessary to thrive in the dynamic field of Information Technology. As I take the next step in my career, I carry with me the invaluable experiences and knowledge gained during my time at Vidyalankar Institute of Technology.

**Presently, I am working as an Senior Test Engineer at IDFC FIRST Bank.
I will always be thankful to VIT for letting me spend best years of my life.**

Editorial Team

PROF. Bhanu Tekwani

Chief Editor