Report of Value Added Course on Full-Stack Development

XIE-IET On Campus and Computer Engineering Department organizing Two Week Value Added Course on Full-Stack Development in the month of December 2022 for the students.

Objective(s):

1. To learn front-end and back-end development technology stack to develop solutions for solving real world problems.

2. To up-skill students by the help of training sessions in software development.

Beneficiaries: Second and third year engineering students.

No. of Participants: 35

Venue: Computer Center of department of Computer Engineering

Date / Duration: December 19-31, 2022

Trainer Details:

Name	Designation with Employer Details	Address
Mr. Danyl Fernandes,	Product Engineer, 2586 Labs,	Bengaluru.
Mr. Vivek Sharma,	Framework Engineer, Quantiphi Analytics,	Mumbai.
Mr. Gandharv More	Front-end(Web3) Intern, Metaverse Ventures	Hyderabad

Key Points:

The event was made successful by the team efforts of The Xavier Institute of Engineering Director Fr. John Rose S. J., principal Dr. Y. D. Venkatesh, Dr. Vaishali Gaikwad, organizing and volunteer's team.

We have participants from second and third year computer engineering, information technology and electronics and telecommunication branch of Xavier institute of engineering.

The topics covered:

- Introduction to Full-Stack

- Introduction to HTML

- What is Backend Development?

- Create an HTML only Website

- Introduction to Databases and Demonstration

- Introduction to CSS

- Adding CSS to our Website and Demonstration

- Introduction to JavaScript

- Introduction to MongoDB and Demonstration

- Workshop using HTML, CSS & JS

- Scope of Frontend Vs. Backend

- Introduction to APIs and JSON

- JavaScript Recap

- Where is JavaScript used today?

- Introduction to Git

- Workshop on Git/GitHub

- Introduction to Node.js

- Workshop on Node.js

- What is React.js?

- Create a simple React.js app and Demonstration

- Deployment of Websites on Cloud

- Hands-on Frontend

- Frontend Vs. Backend and Demonstration

MAPPING OF EVENT OUTCOME WITH POs/PSOs:

#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
EO1	3	3	3	3	3	2	2	2	3	3	2	2	2	2
EO2	3	3	3	3	3	2	2	2	3	3	2	2	2	2

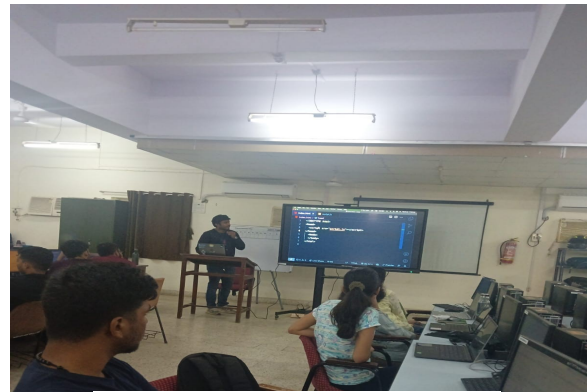**Glimpse of the Event:**

Inauguration

Organizer Addressing Participants

Participants

Trainer Conducting Session

<u>IET Convener</u>

Dr. Vaishali Gaikwad