Indian Institute for Technical Education (ISTE)
Approved
One week Online Short Term Training Program
On

"Recent Trends in Web Technologies"

From
6th Dec to 10th Dec 2021

Convenor
Dr. Joanne Gomes

Coordinators
Dr. Minal Lopes   Ms. Shree Jaswal

Organized By
Department of Information Technology
St. Francis Institute of Technology
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ABOUT SFIT

St. Francis Institute of Technology was established in 1999 with a view to create an Engineering Institute to fulfil the long felt need for an Institute of Excellence in Borivali. SFIT is a Roman Catholic Minority Educational Institute affiliated to the University of Mumbai, approved by AICTE and ISO 9001: 2015 certified and its Department of Information Technology is NBA accredited till June 2022. At SFIT, we offer five UG Programs in the most coveted disciplines namely: Information Technology, Computer Engineering, Electronics & Telecommunication Engineering, Electrical Engineering & Mechanical Engineering as well as PG and PhD programs in Computer Engineering and Electronics & Telecommunication Engineering.

ABOUT THE DEPARTMENT OF IT

The Department of IT was established in 1999 and currently offers a Bachelor's degree in IT (Intake: 120). The department consists of highly experienced faculty members well supported by a competent non-teaching support team. The department strives to create a conducive environment for transforming the enrolled potential fresher into competent Information Technology professional or entrepreneurs with integrity and ethical value.

ABOUT COURSE

Web technology is the establishment and use of mechanisms that make it possible for different computers and devices to communicate and share resources. Web technologies are infrastructural building blocks of any effective computer network.
This course will introduce participants with practical know-how about an emerging set of frontend and backend frameworks and technologies used for developing web applications.

OBJECTIVES

- Open Source Tools for Web Analytics and Semantic Web.
- Learn TypeScript and understand how to use it in web application
- Empower the use of AngularJS to create web applications that depend on the Model-View Controller Architecture.
- Gain expertise in a leading document-oriented NoSQL database, designed for speed, scalability, and developer agility using MongoDB
- Build web applications quickly and with less code using Flask framework.
- Gain knowledge of Rich Internet Application Technologies.

EXPECTED OUTCOME

- Understand open source tools for web analytics and semantic web apps development and deployment.
- Understand how TypeScript can help you eliminate bugs in your code and enable you to scale your code.
- Understand AngularJS framework and build dynamic, responsive single-page web applications.
- Apply MongoDB for frontend and backend connectivity using REST API.
- Apply Flask web development framework to build web applications with less code.
- Develop Rich Internet Application using proper choice of Framework.

SIGNIFICANCE OF COURSE

This course will provide more insight to the participants for using/ developing/ teaching Web Technology tools, platforms, and different frameworks with a motive to accelerate expertise in this new technology. The content of this course is in line with the **Mumbai University syllabus of Web X.0/ Web Lab (semester VI)**

TOPIC COVERED

- Use of Web Analytics & Semantic Web
- All about Typescript
- AngularJS
- Rich Internet Application using AJAX
- MongoDB & Building REST API using MongoDB
- How to use Flask?

WHO SHOULD ATTEND THE COURSE

The faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government, Industry (Bureaucrats/Technicians/Participants from Industry etc.) and staff of host institutions.

RESOURCE PERSONS

- **Mr. Smit Mirani**
  Tata Consultancy Services
- **Mr. Chetan Mahajan**
  Wipro Technologies
- **Mr. Chandan Kolvankar**
  Vidyavardhini College of Engineering
- **Ms. Shraddha More**
  St. John's College of Engineering and Management
- **Dr. Joanne Gomes**
  St. Francis Institute of Technology
- **Ms. Grinal Tuscano**
  St. Francis Institute of Technology

REGISTRATION

The participants can register using the link given.
https://sfiterp.sfit.co.in:98/SfitEventRegForm.asp?event=10
The registration fees: Rs. 500
No. of seats: 50
Registration opens: 26th November 2021
Last day of registration: 4th December 2021
For any queries related to registration, the participants are requested to contact program Coordinators.

MODE OF CONDUCTION: ONLINE

All the sessions will be conducted on the Google meet platform. Detailed schedule will be shared with the participants after the registration deadline.

PATRONS
- Bro. Jose T. (Director)
- Bro. Vijaykumar Pereira (Deputy Director)
- Dr. Sincy George (Principal)

ORGANISING TEAM
- Dr. Prachi Raut
- Dr. Nitika Rai
- Dr. Vaishali Jadhav
- Ms. Vandana Patil
- Ms. Amrita Mathur
- Mr. Vaibhav Kala
- Ms. Mrinmoyee Mukherjee
- Ms. Purnima Kubde
- Ms. Grinal Tuscano
- Ms. Prajyoti Lopes
- Ms. Alvina Alphonso
- Ms. Priyanca Gonsalves
- Ms. Priya Chaudhari

SUPPORTING STAFF
- Ms. Jenet Pareria
- Mr. Rajesh Gurav
- Ms. Kalyani Gavnang
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