About the Institution

St. Wilfred Education Society's Chhatrapati Shivaji Maharaj Institute of Technology(CSMIT) , a premier Institute in Mumbai is firmly rooted and has been verdantly bloomed. It adopts an interactive approach in teaching which enhances creative thinking analytical findings and effective communicative skills. Keeping at pace with globalization and resurgence of an open economy, the Institute tries to equip the students with information and training in entrepreneurship skills and communication. We take pride in being a cohesive group who shares the fundamental aims the staff specializes in excellence and high standard achievers.

About NITTTR

In realization of the need for training better quality technicians to meet the large scale industrialization of the country, the ministry of Education, Government of India established four National Institute of Technical Teachers Training & Research, NITTTRs at Bhopal, Chandigarh, Chennai and Kolkata in 1967. NITTTR, Chandigarh offers Regular Master of Engineering Programmes in Construction Technology and Management, Computer Science and Engineering, Instrumentation and Control and Electronics and Communication Engineering and Modular Master of Engineering Programmes in all the above disciplines. All these programmes, being offered for teachers of technical institutions and their administrators, professionals from industry and general candidates, are duly approved by AICTE and affiliated to Panjab University, Chandigarh. Since June 2001, this institute has been conducting short term courses in various subjects for faculty of Engineering Colleges in addition to organizing AICTE sponsored Induction Training Programmes. It also offers Curriculum Development, Instructional Material Development, Research and Development, Extension Services, Consultancy in Technical Education and Technology areas. The institute has been recognized as a 'Research Centre' by Panjab University, Chandigarh (in 2006) as well as by Punjab Technical University, Jalandhar (Punjab) (in 2005) for pursuing research work leading to the degree of Doctor of Philosophy i.e. Ph.D

About Computer Department

The Computer Engineering department at Chhatrapati Shivaji Maharaj Institute of Technology focuses on the design, implementation, analysis, and application of computer systems. The department aims to provide students with a quality education in both theory and practical aspects. The curriculum offers a strong foundation in core Computer Science areas and exposure to cutting-edge technologies. Established in 2014, the department aims to empower students to become competent computer engineers with a sense of professionalism and responsibility. The department boasts a dedicated faculty and good infrastructure facilities. The courses offered specialize in computer algorithms, software system design, computer systems design, digital signal processing, image processing, and more. Students are also encouraged to participate in coding competitions and spoken tutorials with faculty members.

Chief Patron
Dr. Keshav Badaya, Secretary, St. Wifred Education Society

Chair Person
Dr. Manish Sharma, Vice Principal, CSMIT

Convener
Mr. Anup Maurya, HOD, Computer Department

Remote Center Coordinator
Mr. Kalidas Bhawale, Assistant Professor, Computer Department

Organizing Committee
Dr. Harish Mourya
Mr. Bharat Parihar
Ms. Sayantani Manna
Mr. Dhiraj Tandle
Mr. Rohit Patil

NITTTR Chandigarh
Organizes
One Week
Online Faculty Development Program (FDP)
On

Data Science using Python
From
February 19th – 23rd 2024

Hosted By
Department of Computer Engineering

CHHATRAPATI SHIVAJI MAHARAJ INSTITUTE OF TECHNOLOGY
(Approved by AICTE, Permanently Affiliated to University of Mumbai, UGC – Recognized, ISO 9001:2015 Certified)
SHEDUNG,PANVEL,MAHARASHTRA

About Faculty Development Program

The Faculty Development Programme (FDP) aims to cover various areas such as technical education policy, new concepts, methods and techniques, theory and skills development, and the upgradation of pedagogy, educational technology, motivation, communication skills, management, and other relevant issues in order to keep pace with the changing scenario in Technical Education. This scheme is designed to enhance the teaching and other skills of the faculty, making them aware of modern teaching tools and methodologies. It provides an opportunity for faculty members to acquire knowledge about current technological developments in relevant fields. By promoting professional practices relevant to technical education and fostering a competitive teaching and learning environment, the FDP motivates the faculty to achieve academic qualifications and contribute to overall development.

Major Topics to be Covered

➢ **Essentials of Data Science**

➢ **Data Cleaning and Feature Engineering**

➢ **Data Exploration & Data Visualization**

➢ **Data Analysis using Regression**

➢ **Ensemble Learning, Boosting, Bagging, Decision Tree/Random Forest Classifier**

➢ **Classification using Supervised (KNN) and Unsupervised (k-Means) Learning**

➢ **Application of Machine Learning in Face Identification**

➢ **Registration Guidelines**

REGISTRATION FEE

Rs. 118/- (Rs. 100/- +18% GST) will be charged from the participants of Remote Centre. (Please refer NITTTR FDP Website for further details)

NITTTR FDP Registration Link

https://fdp.nitttrchd.ac.in/backingup/partiregister.php

NITTTR FDP Home Page Link

https://fdp.nitttrchd.ac.in/backingup/

Online Platform

A seminar hall with good internet facility, interactive panel will be provided to conduct NITTTR Online mode FDP. So All the registered participants have to report Remote center at CSMIT Campus and attend the program through Remote center.

Session Timings: 10.00 AM to 4 PM

kalidas.csmit@gmail.com

Resource Persons

Sessions will be conducted by eminent faculties from NITTTR Chandigarh will provide theoretical and practical insights about Data Science using python, data manipulation and cleaning, data visualization techniques.

Who Can Register?

Research Scholars, faculty members from engineering, computer science, mathematics, statistics, or related disciplines

E- Certificate

E-Certificate will be given by the NITTTR to all the participants with **successful completion of one week online FDP.**

Online Mode

The program will be conducted using **Google Meet**. Participants have to attend the Online FDP through Remote Center (CSMIT) assigned by NITTTR Chandigarh. Physical presence is mandatory to get attendance for all days of FDP.

Important Date

Last Date for Registration   **15/02/2024**

Contact:

Coordinator   **- 8108111815**

Convener   **- 8551040972**

www.csmit.in