

DATE: 18/01/2021

Event Coordinator(s)

Meena Ugale

Time & Place:

11th Jan to 16th Jan 2021

XIE, Online Course

Department:

Information Technology

No of participants:

35

This STTP is conducted on online platform for faculties and research scholars with the basic Knowledge of Python & Machine Learning/Data Mining.

Details of the resource persons:

1. Dr. Vijay Katkar PhD in Computer Engineering with Specialization in Machine Learning and Network Security. His research interests are Machine learning, Computer Vision and Internet of Everything.
2. Mr. Jaychand Updhyay, Masters in Computer Engineering with Specialization in Machine Learning. His research interests are Machine learning, Computer Vision, Artificial Intelligence.
3. Ms. Jaya Jeswani, Masters in Computer Engineering. Her research interests are Machine learning, Artificial Intelligence, Data Science.

Course Contents:

- Types of research papers
 - Selection of dataset for research
 - Analyzing and exploring the dataset
 - Training the model using machine learning methods
 - Analyzing and exploring efficiency of trained machine learning based model
 - Optimizing classification efficiency of machine learning based models
 - Effectively presenting the results in research papers
 - Concluding and summarizing the results in research paper
- All experiments are performed using Python.

Student Feedback and Benefits

Following points were appreciated by Participants:

- Hands-on Sessions
- Real-time application
- Covered topics from Basic to Advance
- Interactive Sessions

Benefits:

Participants will be able to Design and carryout experiments using Machine Learning in any domain

Chief Patrons:

Fr. Dr. Arun De Souza, S.J., Chairman, XIE

Fr. Dr. John Rose, S.J., Director, XIE

Patrons:

Dr. Y.D. Venkatesh, Principal, XIE

Fr. Fabian Bareto S.J., Administrator, XIE

Chief Guest:

Dr. Thomas Schwarz,
Marquette University, USA

Guest of Honour:

Dr. Glenn Baptista

Convener:

Dr. Vijay Katkar

Email : vijay.k@xavier.ac.in

Coordinator:

Prof. Meena Ugale

Email : meena.u@xavier.ac.in

Mob : 9867646658

Organizing Committee:

Prof. Chhaya Narvekar

Prof. Martina D'Souza

Prof. Jyotsna More

Prof. Suvarna Aranjo

Prof. Sulochana Devi

Prof. Amit Narote

Awards Received by XIE

Education Leadership Award - 2019
by ABP News Network

Green Mission Award
by ONP Solar Private Limited
for 2 consecutive years

About FDP:

The main aim of this short-term training program is to promote research in Machine Learning. Participants will get exposure to theoretical as well as practical aspects of experiment design, experiment conduction and analysing, presenting the result of experiments. Participants will understand how to apply various methodologies of Machine Learning in assorted domains to solve real-life problems.

This STTP will encourage the participant to carry out research using Machine Learning approaches. Participants will also be able to guide undergraduate students to carry out projects using Machine Learning approaches.

Objectives of FDP:

- Design and perform experiments in machine learning
- Apply machine learning methods for solving real-life problems
- Implement and optimize machine learning based models
- Presenting the research findings in technical papers

Topics Covered :

- Types of research papers
- Selection of dataset for research
- Analysing and exploring the dataset
- Training the model using machine learning methods
- Analysing and exploring efficiency of trained machine learning based model
- Optimizing classification efficiency of machine learning based models
- Effectively presenting the results in research papers
- Concluding and summarizing the results in research paper

All experiments will be performed using Python

**Xavier Institute of Engineering**

(A sister Institute of St. Xavier's College, Fort, Mumbai)

Organizes
AITCE - ISTE approved
A Six-Day Online
Short Term Training Program
on

**Research in
Machine Learning**

11th - 16th January 2021

(Timings: 10.00 am to 5.00 pm)

under the Department of
Information Technology

Xavier Institute of Engineering
Mahim, Mumbai - 400016

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About Institute :

Xavier Institute of Engineering (XIE), a sister institute of St. Xavier's College, Fort, Mumbai was established in 2005, and is a part of an international network of Jesuit Educational Institutions which includes 138 universities and 3413 educational institutions in 120 countries. XIE ranked among the top 30 Engineering colleges [the 30 include 10 IIT's and 7 NIT's] in the country (about 3800 colleges) with high "PERCEPTUAL SCORE" according to Times Engineering Survey 21 May 2018. XIE is now NAAC accredited. XIE is the only Engineering college in India to have a Gait laboratory. This laboratory is sponsored by Marquette University, USA.

Vision of XIE:

To nurture the Joy of Excellence in a world of High Technology

Mission of XIE:

To strive to match global standards in Technical Education by Interaction with Industry, Continuous Staff training and Development of quality of life.

About Information Technology Department

This department started functioning from the year 2005 with an intake of 60, offering bachelor degree in Information Technology. The department has a mission to develop intellectual ability of undergraduates by giving exposure to the trends of industrial demand and promote excellence in teaching and learning by providing continuous staff training. Department also, motivate all learners to acquire additional softskills to sharpen their technical and professional skills that make them employable under the guidance of trained and experienced faculty members and well-equipped laboratories.

Vision of IT Department

To nurture the joy of excellence in a world of Information Technology

Mission of IT Department

- I.To develop critical thinking ability of student by promoting integrative learning.
- II.To bridge the gap between the industry and institute by giving students exposure to industrial demands and current trends.
- III.To promote excellence in learning and research, and to be responsible when dealing with social concern.
- IV.To encourage students to pursue higher studies and make them aware of various career opportunities.

Resource Persons:

Dr. Vijay Katkar

Xavier Institute of Engineering, Mumbai

Prof. Jayachand Upadhyay

Xavier Institute of Engineering, Mumbai

Prof. Jaya Jeswani

Xavier Institute of Engineering, Mumbai

Target Audience:

This FDP would be useful for the persons from academia and industry who would like to gain experience and excel their skill set in the field of Machine Learning.

Prerequisite

- Basic Knowledge of Python

Course Completion Criteria

- Complete All Quizzes (Minimum 60% Marks)
- Minimum 80% Attendance

Registration Fee

The Department of Information Technology will run this course free of cost, as part of its Covid-19 Outreach to the Faculty community. (Seats are Limited : 50)

After Registration

After completion of your registration, a link will be emailed to join a WhatsApp group.

Certification

Participation certificates will be issued by XIE after completion of the Test.

Test will be conducted using Google Classroom and Google Forms.

Participants with a valid ISTE Life membership number will get a certificate from ISTE

Important Dates

Last date to apply: 09th January 2021

Intimation of Selection: 10th January 2021

STTP: 11th – 16th January 2021

To Register Click here

<https://forms.gle/vRBXXJCwCQHtvYrM9>

or

Scan QR Code to Register

