

PCET's

# Pimpri Chinchwad College of Engineering, Pune

## SIG Coordination Team

*presents*

Three Days Intensive Workshop on

# Practical Data Analytics and Machine Learning : Tools and Trends

For faculty and students

Everyday

06<sup>th</sup> to 08<sup>th</sup> Sept 2021

5.15 PM to 6.15 PM

Registration Link

<https://forms.gle/zjsXhZ457wJFSysM8>



Artificial Intelligence (AI), Data Science (DS) and Machine Learning (ML) have gain lot of importance and applicability in almost all sectors. Many technocrats and research aspirants are seeking support to start their research in AI, DS ML. With this in mind, Biomedical Applications and Soft Computing (BASC) SIG of Computer Engineering is organizing the proposed workshop. This intensive SIG workshop will help the participants to apply the different ML techniques to variety of applications. The workshop will focus on understanding of input data, training models with ML algorithms, different ML tools, preserving data, federated learning, etc. All contents will be covered through demonstration and practical execution.

# Contents

---

- 1 Data Analytics : Exploratory Data Analytics using PYTHON
  - 2 Practical Machine Learning with Python using Google Colab
  - 3 Practical Machine Learning through Weka - for Research
  - 4 Data Analytics using KNIME tool
  - 5 Data Analytics using Rapid Miner tool
  - 6 Privacy preservation in Machine learning
  - 7 Federated Learning theory and hands on
- 

**Registration Link**

<https://forms.gle/zjsXhZ457wJFSysM8>

# Schedule

3

Date	Session No.	Timing	Topic	Resource Person
06 <sup>th</sup> Sept 2021	1	5.15 PM - 5.45 PM	Data Analytics : Exploratory Data Analytics using PYTHON	Mrs. B. Mahalakshmi
	2	5.45 PM - 6.15 PM	Practical Machine Learning with Python using Google Colab	Dr. Swati Shinde
07 <sup>th</sup> Sept 2021	3	5.15 PM - 5.35 PM	Practical Machine Learning through Weka - for Research	Dr. K. Rajeswari
	4	5.35 PM - 5.55 PM	Data Analytics using KNIME tool	Mrs. Sushma R. Vispute
	5	5.55 PM - 6.15 PM	Data Analytics using Rapid Miner tool	Mrs. Priya Surana
08 <sup>th</sup> Sept 2021	6	5.15 PM - 5.45 PM	Privacy preservation in Machine learning	Mrs. Pallavi Dhade
	7	5.45 PM - 6.15 PM	Federated Learning theory and hands on	Mrs. Savita Kumbhare

**Registration Link**

<https://forms.gle/zjsXhZ457wJFSysM8>

# RESOURCE PERSONS



**Mrs. B. Mahalakshmi**

Asst. Prof.  
Computer Engg. Department



**Dr. Swati Shinde**

Prof. & Inst. SIG Coordinator  
Computer Engg. Department



**Dr. K. Rajeswari**

Prof. & HOD  
Computer Engg. Department



**Mrs. Sushma Vispute**

Asst. Prof.  
Computer Engg. Department



**Mrs. Priya Surana**

Asst. Prof.  
Computer Engg. Department



**Mrs. Pallavi Dhade**

Asst. Prof.  
Computer Engg. Department



**Mrs. Savita Kumbhare**

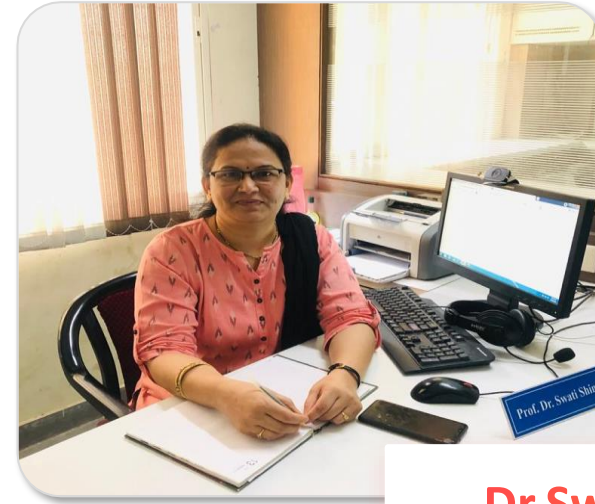
Asst. Prof.  
Computer Engg. Department

## WORKSHOP COORDINATORS



**Dr. K. Rajeswari**  
HOD, Comp. Engg. Dept.

kannan.rajeswari@pccoepune.org, 7066892206



**Dr. Swati Shinde**  
Professor, Comp. Engg. Dept.

swati.shinde@pccoepune.org, 7350318050

## SIG COORDINATION OFFICE

### **Dr. Swati Shinde**

Institute SIG Coordinator  
Professor, Computer Engg. Department  
swati.shinde@pccoepune.org  
7350318050

### **Dr. Narendra Deore**

Institute SIG Coordinator  
Professor, Mechanical Engg. Department  
naren.deore@pccoepune.org  
9657707616

## **PCET's Pimpri Chinchwad College of Engineering**

Sector -26, Pradhikaran, Nigdi,  
Near Akurdi Railway Station, Pune - 411 044,  
Maharashtra, India.