



## REGISTRATION

### ISTE Sponsored

One Week Online Short Term Training  
Program ( STTP)  
on

Data Science & Its Applications in Real Life  
(8April – 13 April 2022)

Organized by  
**DEPARTMENT OF ELECTRONICS &  
COMPUTER ENGINEERING**  
People's Education Society's(Mumbai)  
P.E.S. COLLEGE OF ENGINEERING

ISTE sponsored STTP is being conducted through  
online mode as permitted by ISTE.

Registration: The registration to this program  
will be through online mode only.

Registration for the STTP is free. All the  
Participants are requested to register for this  
STTP through the following link:

<https://forms.gle/ifipb3EyJ5DRbiZX8>

Who should attend: Faculty members, Industry  
Professionals, Govt. officers, Scientists, Research  
Scholars.

#### Patrons

Dr.S.P.Gaikwad  
Chairman  
People's Education Society's(Mumbai)

#### Convenor

Dr. A.P. Wadekar  
Principal,  
P.E.S.COE,Aurangabad

#### Resource Persons

Dr.Manish Kurhekar - NIT,Nagpur.  
“Statistical Foundation of Data Science”

Dr.Nazneen Akhter - Maulana Azad  
College,Aurangabad.  
“Introduction to Data Science & it's real Life  
Application”

Dr.Nilesh Uke - Principal,Trinity Academy of  
Engineering ,Pune.  
“Artificial Intelligence in Data Science”

Dr.Varsha Jadhav - VIT Pune.  
“Descriptive Statistics for Exploratory Data  
Analysis”

Dr.Geetanjali Sable - SCTR's Pune Institute of  
Computer Technology,Pune.  
“Data Science for Computer Vision”

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**DEPARTMENT OF ELECTRONICS &  
COMPUTER ENGINEERING**

**P.E.S. College of Engineering  
Aurangabad**

**NAAC Accredited with B+ Grade**

**Affiliated to**

**Dr.Babasaheb Ambedkar Technological  
University  
(DBATU)**

#### About P.E.S. COE, Aurangabad

Located in the historic city of Aurangabad, P.E.S. The College of Engineering was established in 1994. It is situated in NAGSENVAN, a 200 acre spread over a land of 22 acres. Its aim is to set up a standard in Technical Education so as to provide greater opportunities to aspiring engineers so as to have an overall development of individuals as well as of the society.

The intake capacity of the college is 450 and offers Full Time Regular 4 years Undergraduate Course in Mechanical Engineering, Civil Engineering, Electrical (Electronics & Power) Engineering, Electronics & Computer Engineering and Computer Science & Engineering. We also offer Post Graduate Courses in Civil Engineering, Electrical Power Systems, and Computer Science .

We have obtained NAAC Accreditation with B+ Grade. We have set high standards in Curricular, Co-Curricular & Extra Curricular activities. We follow defined Student-Staff Ratio, specified Computer Ratio Digital Library Work and Excellent Industry Institution Interaction. We follow outcome based education system and follow national and international standards.

#### About Department

The Department of Electronics is established in the year 1994 and has graduated many qualified engineers, working at very well-known organizations in India and abroad. Department having state-of-art facilities for individual students to cope up with the up-gradation in technology, the students are trained on advanced instruments. Students are encouraged and guided for exams such as GATE, IBS, GMAT,MPSC etc. Labs are equipped with IBM computers with most advanced accessories and software's.

#### About STTP

Today, data science has overtaken nearly every industry on the planet. There isn't a single industry in the world now that isn't reliant on data. As a result, data science has become a source of energy for businesses.

Data Science Applications haven't taken on a new function overnight. We can now anticipate outcomes in minutes, which used to take many human hours to process, because of faster computers and cheaper storage.

Data science, often known as data-driven science, combines several aspects of statistics and computation to transform data into actionable information. Data science combines techniques from several disciplines to collect data, analyze it, generate perspectives from it, and use it to make decisions. Data Mining ,

statistics, machine learning, data analytic and some programming are some of the technical disciplines that make up the data science field.

#### Organizing Committee

Prof.Dr.V.K.Kadam (Organizing Secretary)

Prof. S. S. Khedgikar (Member)

Prof. V.V. Kulkarni (Member)

Prof.N.T.Kolambiker(Member)

#### Co-ordinator

**Prof. S.C.Kathar (Coordinator)**

Assistant Prof, E&CE  
(+91 9766246288)

**Prof. P.K.Ghuge (Coordinator)**

Assistant Prof, E&CE  
(+91 9307815607)

**Prof. J. P. Zine (Co-coordinator)**

Assistant Prof, E&CE  
(+91 9422245177)

**Prof. V.R. Kshirsagar (Co-coordinator)**

Assistant Prof, E&CE  
(+91 9403753996)

Registration link for STTP

<https://forms.gle/ifipb3EyJ5DRbiZX8>



*Dr. Babasaheb Ambedkar Technological University, Lonere- 402103*  
*(Established By Govt. of Maharashtra Vide Act. No. XXIX of 2014)*



**P.E.S. College of Engineering**  
**One Week Online Short Term Training Program On**  
**“Data Science and its Real Life Applications”**

**Certificate of Participation**

*This is to certify that Dr. / Mr. / Ms. **Sushama B kamble** has attended and actively participated ISTE approved one week online Short Term Training Program (STTP) on “Data Science and its Real Life Applications” organized by Electronics and Computer Engineering Department, P.E.S. College of Engineering, Aurangabad, Maharashtra, From 8<sup>th</sup> April To 13<sup>th</sup> April 2022.*

**Prof. P.K.Ghuge**  
Coordinator  
PESCOE, Aurangabad

**Prof. S.C.Kathar**  
Coordinator  
PESCOE, Aurangabad

**Dr. Prof. V.K.Kadam**  
Head of Department  
PESCOE, Aurangabad

**Dr. A. P. Wadekar**  
Principal  
PESCOE, Aurangabad

**Dr. Babasaheb Ambedkar Technological University, Lonere**

**P.E.S.College of Engineering ,Aurangabad**

**Department of Electronics and Computer Engineering**

**Short Term Training Program On**

**Data Science and Its Real Life Application**

**(8April – 13 April 2022)**

**Program Schedule**

DAY	DATE	Time	TOPIC	RESOURCE PERSON
Day 1	08/04/2022	10 :00 AM to 11:00 AM	Inaugural Function - Principal Dr. A.P.Wadekar , Head of the Department Dr.V.K.Kadam , Keynote Speech on Statistical Foundation of Data Science By Dr.Manish Kurhekar ,NIT Nagpur.	
		11:00AM to 1:00 PM	Introduction to Data Science & it's real Life Application	Dr.Nazneen Akhter Maulana Azad College,Aurangabad
		2:00 PM to 4 :00 PM	Hands on Session	
Day 2	09/04/2022	11:00AM to 1:00 PM	Introducation to Data Science & it's real Life Application	Dr.Nazneen Akhter Maulana Azad College,Aurangabad
		2:00 PM to 4 :00 PM	Hands on Session	

Day 3	11/04/2022	11:00AM to 1:00 PM	Artificial Intelligence in Data Science	Dr.Nilesh Uke Pritcipal,Trinity Academy of Engineering Pune
		2:00 PM to 4 :00 PM	Hands on Session	
Day 4	12/04/2022	11:00AM to 1:00 PM	Descriptive Statistics for Exploratory Data Analysis	Dr. Varsha Jadhav VIT Pune
		2:00 PM to 4 :00 PM	Hands on Session	
Day 5	13/04/2022	11:00AM to 1:00 PM	Data Science for Computer Vision	Dr.Geetangali Sable SCTR's Pune Institute of Computer Technology,Pune.
		2:00 PM to 4 :00 PM	Hands on Session	

Note: 1:00PM to 2:00 PM – Lunch Break

**Program Cordinator**

Mr.S.C.Kather

Ms.P.K.Ghuge

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## **Topics and Outcome Expected for STTP**

### **1. Statistical foundation of Data Science**

After completion of this course Participant will be able to :

- a) get overview of statistical methods from an experimental design perspective.
- b) review statistical sampling, T-tests, Analysis of Variance, Linear Regression and other skills.
- c) focus on interpretation, analysis and communication of the results and ethics of statistical analysis.
- d) demonstrate proficiency with statistical analysis of data.
- e) execute statistical analyses with professional statistical software.

### **2&3. Introduction to Data Science and Its Real Life Applications**

After completion of this course Participant will be able to :

- a) identify and describe the methods and techniques commonly used in data science.
- b) apply data science concepts and methods to solve problems in real-world contexts and will communicate these solutions effectively.
- c) identify legal issues surrounding the use of data.
- d) mine data to develop predictive models and evaluation.

### **4. Artificial Intelligence in Data Science**

After completion of this course Participant will be able to :

- 1. apply the principles of artificial intelligence and data science that require problem-solving, inference, perception, knowledge representation, and learning.
- 2. demonstrate the ability to create innovative solutions from idea to product, applying scientific methods and tools
- 3. exhibit strong professional skills to function effectively in multi-disciplinary and heterogeneous teams with a growth mindset.

4.demonstrate strong skills in using visualization techniques for analysis and communication.

## **5. Descriptive Statistics for Exploratory Data Analysis**

After completion of this course Participant will be able to :

- a) apply exploratory data analysis to some real data sets and provide interpretations via relevant visualization.
- b) describe the roles bio-statistics serves in the discipline of public health.
- c) explain the uses and important features of exploratory data analysis.
- d) describe applicability of different data analysis and visualization models techniques to solve real world problems.

## **6. Data Science for Computer Vision**

After completion of this course Participant will be able to :

- a) explain what Computer Vision is and give examples of Computer Vision tasks.
- b) describe the process behind classic algorithmic solutions to Computer Vision tasks and explain their pros and cons.
- c) use hands-on modern machine learning tools and python libraries.
- d) develop your understanding of the basic principles and techniques of image processing and image understanding, and to develop your skills in the design and implementation of computer vision software.



P.E.S.College of Engineering ,Aurangabad Application  
 Department of Electronics and Computer Engineering  
 Short Term Training Program on "Data Science and Its Real Life "  
 (8April – 13 April 2022)

Sr.No.	Name of Staff	ISTE NO	Marks
1	Prof. Sarika. B.Dhule	LM105154	14 / 20
2	Prof. Hemant Waghmare	LM 111596	15 / 20
3	Tukaram shep	LM 111765	16 / 20
4	Ravindra Zamsingh Fulare	LM 56252	18 / 20
5	Dr.M.M Dhobe	LM12554	17/20
6	Dr. Surekha Vishnu Munde	LM 93031	13 / 20
7	Prof.Rashmi Milind Bhattad	LM110698	17 / 20
8	Ganesh Narayan Bonde	LM116480	18 / 20
9	Sachin Rahinj	LM117219	14 / 20
10	Dr. Mrs. S. M. Badave	LM12385	15 / 20
11	Dr Priya Pise	LM133011	14 / 20
12	Dr. Shilpa Kodgire	LM411	17 / 20
13	Dr Ramesh Pungle	LM49843	16 / 20
14	Dr. Sangita Dhondiba Bharkad	LM52481	18 / 20
15	Prof. Shivanand V. Phulari	LM-53578	16 / 20
16	Mrs Jaya Sunil Wakode	LM55760	17 / 20
17	SANJAY TANAJI SANAMDIKAR	LM74221	14 / 20
18	Jitendra Raibhan Gaikwad	LM75932	17 / 20
19	Dr. Asha Ashok Gaikwad	LM93019	20 / 20
20	Prof. Manisha M Ambekar	LM93023	18 / 20
21	Dr. Yogita S. Pagar	LM93027	18 / 20
22	Suvarna Acharya	LM93033	20 / 20
23	Ravishankar Shaligram Kankale	LM93225	18 / 20
24	Dr Saurabh S Jadhao	LM93226	18 / 20
25	MUKESH R CHAVAN	LM93229	14 / 20
26	GOAD PRASHANT MAGANLAL	LM-98920	15 / 20
27	Priyanka Karjal (Panji)	LM67976	16 / 20
28	Dr. B.N.Chaudhari	LM25981	15 / 20
29	Prof. P.D.Mohite	LM93026	17 / 20
30	S.V.Murkute	LM49989	15 / 20
31	Dr. Deepak kakade	LM 93022	16 / 20

Principal  
 P.E.S.College of Engineering  
 Aurangabad.