

PCET's

Pimpri Chinchwad College of Engineering, Pune

SIG Coordination Team

presents



Three Days Workshop on

Data Analysis using Excel

For faculty and students

Registration Link

<https://forms.gle/GzhYFyVpTsC8eKan6>

Everyday

5.15 PM to 6.15 PM

14th to 16th July 2021

The role of statistics in research for collecting and analyzing small or large scale data is significant. Statistics is a branch of mathematics used to demonstrate research findings, support hypotheses, give credibility to research methodology and draw conclusions. It helps the researcher in understanding how to plan, conduct and evaluate the research. The workshop will detail the selection of statistical methodology, includes a selection of suitable measures or parameters, a selection of evaluation methodology and analyzing data for drawing reliable conclusions by defining appropriate system models.



Contents



- 1 Introduction to data Analysis, descriptive statistics, Measures of Central Tendency and Dispersion
- 2 Correlation, Covariance, Regression analysis using the data analysis tools in Excel.
- 3 Case study on descriptive Statistics using the data analysis tools in Excel.
- 4 Sampling techniques and its types, case study on sampling using the data analysis tools in Excel.
- 5 Hypothesis testing (T-Test, F-Test, Z-Test, Chi-Square test) using the data analysis tools in Excel.
- 6 Case study on Hypothesis Test (One-way ANNOVA, two way ANNOVA)

Schedule

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Date	Session No.	Timing	Topic	Resource Person
14 th July 2021	1	5.15 PM - 5.45 PM	Introduction to data Analysis, descriptive statistics, Measures of Central Tendency and Dispersion	Prof. Ashwini Vaze
	2	5.45 PM - 6.15 PM	Correlation, Covariance, Regression analysis using the data analysis tools in Excel.	Prof. Dinesh Kute
15 th July 2021	3	5.15 PM - 5.45 PM	Case study on descriptive Statistics using the data analysis tools in Excel.	Dr. Leena Sharma
	4	5.45 PM - 6.15 PM	Sampling techniques and its types, case study on sampling using the data analysis tools in Excel.	Prof. Minakshi Panchal
16 th July 2021	5	5.15 PM - 5.45 PM	Hypothesis testing (T-Test, F-Test, Z-Test, Chi-Square test) using the data analysis tools in Excel.	Dr. Varsha Harpale
	6	5.45 PM - 6.15 PM	Case study on Hypothesis Test (One-way ANNOVA, two way ANNOVA)	Dr. Leena Sharma

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RESOURCE PERSONS



Mrs. Ashwini Vaze

Asst. Prof.
Applied Sciences & Humanities



Mr. Dinesh Kute

Asst. Prof.
Applied Sciences & Humanities



Dr. Leena Sharma

Asso. Prof.
Applied Sciences & Humanities



Mrs. Minakshi Panchal

Asst. Prof.
Applied Sciences & Humanities



Dr. Varsha Harpale

Asso. Dean
Quality Assurance

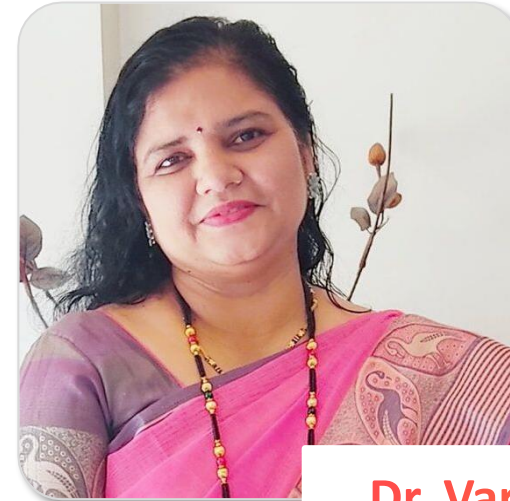
WORKSHOP COORDINATORS



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