



Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY

APPROVED BY AICTE, NEW DELHI, DTE, GOVT. OF MAHARASHTRA AND AFFILIATED TO THE
UNIVERSITY OF MUMBAI
At Shirgaon, Post Virar, Tal. Vasai, Dist. Palghar. 401305. Tel: 7770002544. Website: www.viva-technology.org

NAAC ACCREDITED WITH GRADE B++

Ref: VIVA/VIT/1321A/2023-24

Date: 18/06/2024

CIRCULAR

All the faculty members are hereby informed that the ISTE approved One week STTP is arranged by Mechanical Engineering, Computer Engineering, Computer Science Engineering (AI & ML) & MCA department on the topic "**Application of POWER BI TABLEAU & Advanced Excel in Engineering**" from 24-06-2024 to 29-06-2024. All the faculty members are requested to attend the same.

Detailed schedule:

Date	Course Details	Timings
24-06-2024	Inauguration Function	9.00 am-9.30 am
	Power BI Introduction	9.30 am-12.30 pm
	Power BI - Project-Based Learning- Power Query Editor, Relationships	1.00 pm-4.00 pm
25-06-2024	Power BI - Project-Based Learning- DAX - Calculated Column, DAX - Measures	9.30 am-12.30 pm
	Power BI Creating Interactive Reports	1.00 pm-4.00 pm
26-06-2024	Tableau Introduction	9.30 am-12.30 pm
	Visual Storytelling, Interactive Dashboards and Stories	1.00 pm-4.00 pm
27-06-2024	Advanced Analytics and Hands On	9.30 am-12.30 pm
	Advanced Analytics and Hands On	1.00 pm-4.00 pm
28-06-2024	Advanced Excel	9.30 am-12.30 pm
	Advanced Excel	1.00 pm-4.00 pm
29-06-2024	Advanced Excel and Hands On	9.30 am-12.30 pm
	Advanced Excel and Hands On	1.00 pm-4.00 pm
	Valedictory function and Vote of Thanks	4.00 pm-4.30 pm

STTP Coordinator

Head of the Dept.

Dept. of Computer Engg.

Head of the Dept.

Dept. of Mechanical Engg.

Head of the Dept.

Dept. of Computer Science Engg.

(AI & ML)

Head of the Dept.

Dept. of MCA

Principal





भारतीय तकनीकी शिक्षा संस्था INDIAN SOCIETY FOR TECHNICAL EDUCATION

(Under the Societies' Registration Act XXI of 1860)

Dr. S.M. Ali

Executive Secretary

ISTE/Proceedings/FDP/STTP-SF-MAH-074/2024-25

June 19, 2024

Proceedings of Executive Secretary, ISTE

Sub. : Sanction to conduct full time Faculty Development Programme on Self-financing basis for the financial year 2024-2025.

Sanction is hereby accorded to the following institution for the conduct of the SF-STTP/FDP programme indicated below:

Name of Institution	:	VIVA Institute of Tehnology Palghar – 401 305
Topic	:	Application of Power BI, Tableau and Advanced Excel in Engineering
Name & Address of Coordinators	:	Dr. Niyati Raut Dr. Chinmay Pingulkar Associate Prof. Associate Prof.
Duration	:	One Week (Minimum 05 Working Days)
Proposed dates	:	24-06-2024 to 29-06-2024

Terms and Conditions

The institution offering the Programmes should be approved by AICTE and must be Institutional Member of ISTE. Institutions having ISTE Faculty Chapter and Students Chapter shall be preferred. There will be no financial commitment on the part of ISTE on account of this programme. The fee of one **proposal is Rs. 1180/- (Incl. 18% GST)** paid by NEFT/RTGS along with proposal in the following ISTE Account (**Name of Account: ISTE Membership Fee, Account No: 6707247614 Bank: Indian Bank IFSC Code: IDIB000M089 Branch: Mehrauli Road New Delhi**).

- 1 This will be a Self Financing program of the duration of 1 week/2 weeks/4 weeks.
- 2 The registration fee of the participants may be fixed by the host institution.
- 3 ISTE Life membership is necessary for participants to attend SF programmes. Minimum 25 Participants are must for conducting the FDP/STTP. However, If any participant is not having life membership he/she may take the membership of ISTE before the commencement of the programme via web portal <https://membership.isteonline.in>
- 4 The final report as mentioned in these guidelines is to be submitted to ISTE within 15 days after completion of the Programme.
- 5 The institute should ensure that the Resource Persons should be well known personalities having thorough knowledge and he/she should be from an Institute or Industry.

-2/-

- 6 e-Certificate to ISTE Life Members will be issued by ISTE from this office. Operational and processing fee of Rs. 100 +18% GST (Total Rs. 118/-) will be charged per participant. Institute conducting the program will collect the fee from participants and will send it to ISTE by NEFT/RTGS with list of participants with their ISTE Life Membership Number. Institute conducting program will not issue Certificates with ISTE logo to Participants. Course coordinator is requested to ensure the same and attach payment proof or UTR number.
- 7 At least one test at the end is to be conducted to judge the performance of participants. Institute can conduct more test, if they desire. Attendance and successful completion of Test conducted is mandatory to receive certification by ISTE. Co Ordinator should ensure this while submitting list of participants to ISTE.
- 8 The Digital e-certificates to eligible participants will be sent by ISTE Delhi through organizing Institute. The certificate contains the ISTE logo at the top. The digitally signed e-certificates will bear the Signatures of Executive Secretary, ISTE.
- 9 Covid Guidelines issued from time to time are to be followed strictly as notified by the Govt. during the Programme.


Executive Secretary

To,

Dr. Arun Kumar
Principal
VIVA Institute of Technology
Shirgaon, Veer, Virar (East)
Tal: Vasai, Dist Palghar – 401 305
Maharashtra State

Copy to:

Dr. Niyati Raut
Coordinator
VIVA Institute of Technology
Shirgaon, Veer, Virar (East)
Tal: Vasai, Dist Palghar – 401 305
Maharashtra State

ISTE APPROVED
ONE WEEK ONLINE SHORT TERM
TRAINING PROGRAM

ON

APPLICATION OF POWERBI TABLEAU
& ADVANCED EXCEL IN ENGINEERING

24 TH - 29 TH JUNE, 2024

Registration No: _____

Name: _____

Designation: _____

Qualification: _____

Organization: _____

Address: _____

Mobile No.: _____

Email: _____

ISTE Membership No: _____

Demand Draft No.: _____

Dated: _____

Bank & Branch : _____

Amount in Rs. _____

Demand Draft should be drawn in favor of "VIVA institute of Technology" payable at Mumbai.

Signature of the Applicant _____ Institute Seal _____

Annexed copy of Registration form and DD to be sent at
p.comps@viva-technology.org

DD and the registration form should reach on or before
June, 2024.

PARTONS

Hon. Shri. Harendra Vishnu Thakur

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Hon. Ms. Aparna Thakur

Secretary, Managing Committee, VIVA Trust

Hon. Shri. Mukund Raghunath Padhye

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Hon. Shri. Sanjeev Patil

Member, VIVA Trust

ADVISOR

Dr. Arun Kumar

Principal, VIVA Institute of Technology

CONVENER

Dr. Niyati Raut, HOD, Mechanical Engg. Dept.

CO-ORDINATORS

Dr. Chinmay Pingulkar, Mechanical Engg. Dept.

ORGANIZING COMMITTEE

Prof. Omkar Joshi

Prof. Pratik Raut

Prof. Tejas Chaudhari

Prof. Priyank Vartak

Prof. Swapnil Raut

Prof. Suneet Mehta

Prof. Kirtida Naik

Prof. Hima Kantharia

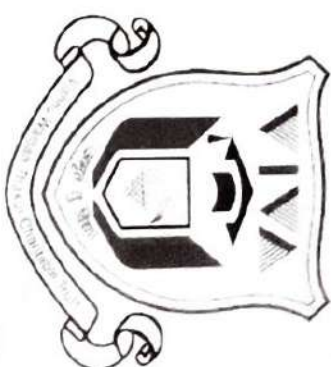
Prof. Vinal Waghela

CONTACT PERSON

Dr. Chinmay Pingulkar - (+918087777588)

Contact No. 0250-6990999 (Ext-135/136)

Email: sttp.comps@viva-technology.org



Vishnu Waman Thakur Charitable Trust's

VIVA INSTITUTE OF
TECHNOLOGY

Shirgaon, Virar (E)

Approved by AICTE, New Delhi, DTE, Government of Maharashtra.
Affiliated to University of Mumbai

Announces

ISTE APPROVED

ONE WEEK SHORT TERM

TRAINING PROGRAM

ON

APPLICATION OF POWERBI

TABLEAU & ADVANCED EXCEL

IN ENGINEERING

24 TH - 29 TH JUNE, 2024

ORGANIZED BY

DEPARTMENT OF MECHANICAL ENGINEERING

DEPARTMENT OF COMPUTER ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE

ENGINEERING (AI & ML)

DEPARTMENT OF MCA

About the Institution

VIVA institute of technology was established in the year 2009 with a definite mission to develop the standard of the institute above benchmark level, latest technology in the chosen discipline by tapping their hidden and obvious potential, molding them into good and responsible citizens by playing a meaningful role in industry and society. The institute is approved by AICTE, New Delhi and DTE, Maharashtra State and affiliated to Mumbai University. The main objective of the institute has always been promoting education at all levels. The institute offers the following courses/programs: Mechanical Engineering, Civil Engineering, Electronics & Telecommunication Engineering and Electrical Engineering, Computer Engineering, Computer Science Engineering (AI & ML) & Department of MCA.

VIVA institute is well equipped with workshop, laboratories, computer center with latest machineries, tools, instruments etc.

About the Program:

In engineering, proficiency in tools like Power BI, Tableau, and advanced Excel is pivotal for effective data analysis and decision-making. Power BI harnesses robust visualization capabilities, enabling engineers to create dynamic dashboards that consolidate diverse data sources from sensors, simulations, or project management systems. This tool facilitates trend analysis, predictive modeling, and real-time monitoring, crucial for optimizing processes in manufacturing, infrastructure projects, or research initiatives.

Tableau complements this by offering intuitive data exploration through interactive visualizations, fostering deeper insights into complex engineering datasets. Its ability to handle large-scale data and perform detailed statistical analysis makes it indispensable for engineers in areas such as Data Analytics.

Advanced Excel skills remain fundamental, offering engineers the flexibility to perform complex calculations,

automate workflows, and build customized analytical models. Engineers proficient in these tools gain a competitive edge by translating raw data into actionable insights, driving innovation, efficiency, and informed decision-making across engineering disciplines. This STTP aims at exposing research scholars, academicians and practicing engineers to the advances of POWERBI TABLEAU & Advanced excel in engineering field.

Course objective:

- ✓ Connect to and explore data sources using Power BI and Tableau.
- ✓ Clean and transform data using Power Query Editor and Tableau's data manipulation tools.
- ✓ Create informative and interactive reports and dashboards with various visualizations.
- ✓ Utilize DAX and calculated fields for advanced data analysis in Power BI.
- ✓ Implement filters, parameters, and other interactive features for user-friendly reports.
- ✓ Build compelling data stories effectively communicating insights to your audience.

Course Contents:

- ✓ Day 1: Power BI Introduction
- ✓ Day 2: Power BI - DAX and Interactive Reports
- ✓ Day 3: Tableau Introduction, Visual Storytelling, Interactive Dashboards, and Stories
- ✓ Day 4: Tableau Advanced Analytics and Hands-On
- ✓ Day 5: Advanced Excel Functions
- ✓ Day 6: Advanced Excel Functions and Tools

Resource Persons:

- ✓ Mr. Ashish Shetty,
- ✓ Mr. Shoeb Shaikh
- ✓ Ms. Esha Prakash
- ✓ Mr. Ketan Rabhadia

Venue:

VIVA Institute of Technology

Shirgaon, Virar (E). Dist-Palghar

Pin – 401305

Contact No. 0250-6990999 (Ext-135/138)

Website: www.viva-technology.org

Important Dates

Last date of registration: 20 June, 2024

Date of STTP: 24 TH – 29 TH June, 2024

Eligibility

PG students, Faculty from engineering, Management and delegates from industry can attend the program.

Course Fee

- Research Scholars or P.G students: Rs. 500/-
- Faculty (ISTE Member): Rs. 500/-
- Faculty (Non-ISTE Member): Rs. 1000/-
- Delegates from the industry: Rs. 1000/-



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NAAC ACCREDITED WITH GRADE B--

ISTE Approved One week STTP On

"Application of POWER BI TABLEAU & Advanced Excel in Engineering"

Date: 24th to 29th June, 2024

Organized by: Department of Mechanical Engineering, Department of Computer Engineering, Department of
Computer Science Engineering (AI & ML), Department of MCA, VIVA Institute of Technology, Virar (E)

List of Participants

Sr. No.	Name of the Participant	ISTE Membership Number
1	Janhavi Ankit Sangoi	LM91563
2	Dr. Niyati Raut	LM76844
3	Vinit Deepak Raut	LM76841
4	Dr. Chinmay Pingulkar	LM111387
5	Reshma Ravindra Chaudhari	LM91569
6	Bhavika P. Thakur	LM123741
7	Karishma Sachin Raut	LM76834
8	Vinal Waghela	LM138831
9	Minakshi Vikas Gaonkar	LM138801
10	Sheetal solanki	LM10589
11	Pratiksha Sankhe	LM124605
12	CHANDANI PATEL	LM107082
13	Mehta Suneet J.	LM111396
14	Henisha A. Raut	LM124606
15	PRIYANK MADHUKAR VARTAK	LM111391
16	Swapnil Prakash Raut	LM111401


Dr. Chinmay Pingulkar
STTP Coordinator


Dr. Niyati Raut
STTP Coordinator



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List of Participants

Sr. No.	Name of the Participant	ISTE Membership Number
17	Krutika Vartak	LM107090
18	Sonia Dubey	LM107088
19	Prof. Pradnya A. Mhatre	LM107084
20	Prof. Shreya Harshal Bhamare	LM107089
21	Ms CHHAYA SHAMRAO PATIL	LM124607
22	SANIKET M KUDOO	LM107081
23	Tejas Hareshwar Chaudhari	LM111397
24	Pratik Prakash Raut	LM111402
25	OMKAR KANCHANKUMAR JOSHI	LM91558
26	kirtida tejas naik	LM135215
27	Hima Divyang Kantharia	LM138846
28	Sushil S Mishra	LM94969
29	Dr Brijesh Yatindra Joshi	LM140243
30	Nitesh Kumar	LM107086
31	AKSHATA SURAJ RAUT	LM138802
32	Dr. Kiran K. Jadhao	LM43384
33	Mayur D. Jagtap	LM124608

Dr. Chinmay Pingulkar
STTP Coordinator

Dr. Niyati Raut
STTP Coordinator



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Detailed schedule

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Dr. Chinmay Pingulkar
STTP Coordinator

Dr. Niyati Raut
STTP Coordinator



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Date: 24th to 29th June, 2024

Organized by: Department of Mechanical Engineering, Department of Computer Engineering, Department of
Computer Science Engineering (AI & ML), Department of MCA, VIVA Institute of Technology, Virar (E)

List of the Resource Person

Sr. No.	Name of the Resource Person	Designation And Organization
1.	Mr. Shoeb Shaikh	Manager, Sinute Digital pvt. Ltd.
2.	Mr. Ashish Shetty	Asst. Manager, Sinute Digital pvt. Ltd.
3.	Ms. Esha Prakash	Domain Head, Data Science, Sinute Digital pvt. Ltd.
4.	Mr. Ketan Rabhadia	Asst. Professor, VIVA IMR

Dr. Chinmay Pingulkar
STTP Coordinator

Dr. Niyati Raut
STTP Coordinator



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"Application of POWER BI TABLEAU & Advanced Excel in Engineering"

Date: 24th to 29th June, 2024

Organized by: Department of Mechanical Engineering, Department of Computer Engineering, Department of Computer Science Engineering (AI & ML), Department of MCA, VIVA Institute of Technology, Virar (E)

Report

Introduction

The one-week ISTE approved short term training program on "Application of Power BI, Tableau, and Advanced Excel in Engineering" aimed to equip engineering professionals with essential data visualization and analysis skills using modern tools. This report summarizes the content covered during the program.

Day 1: (24-06-2024): Power BI Introduction

Speakers' Name: Ms. Esha Prakash, Mr. Ashish Shetty, Mr. Shoeb Shaikh

Session Overview

The first day of the training program commenced with an introduction to Power BI, a powerful business analytics tool by Microsoft. The session aimed to familiarize participants with the basic concepts of Power BI and lay a foundation for subsequent learning in data manipulation, visualization, and reporting.

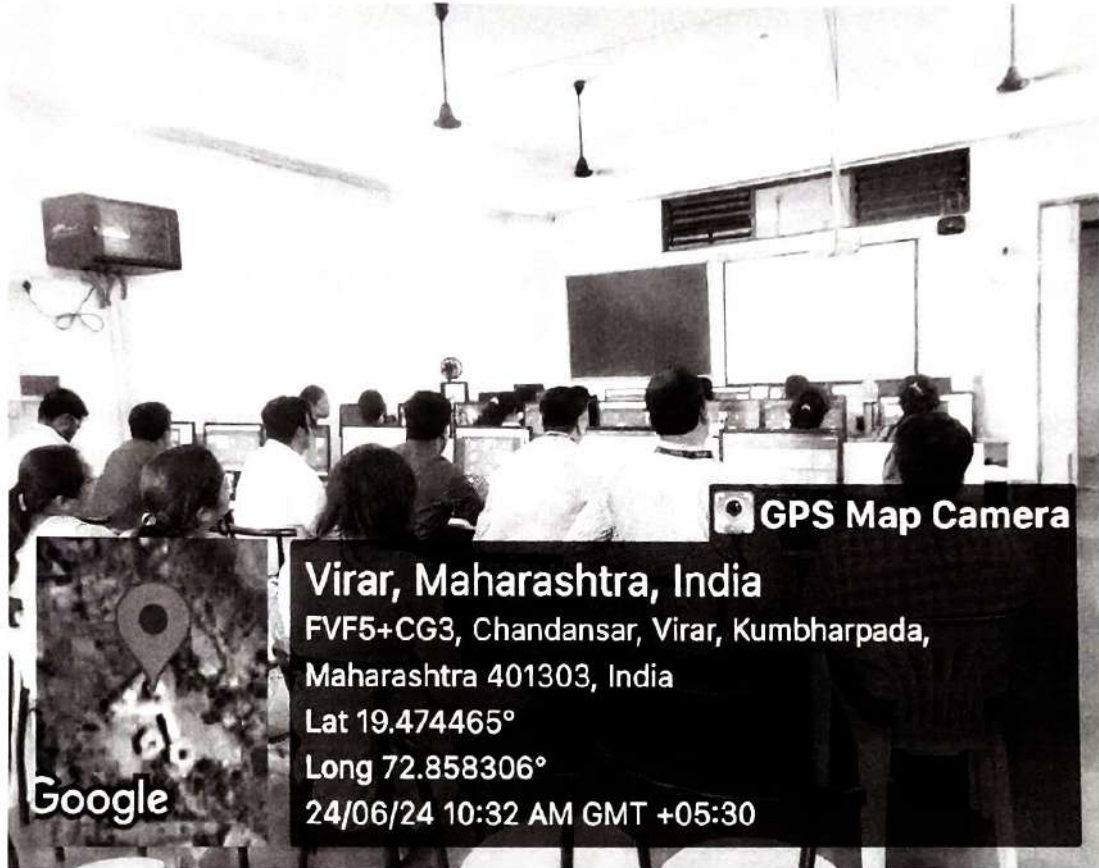




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Topics Covered

1. Introduction to Power BI:

- Participants were introduced to the capabilities of Power BI in data analysis and visualization.
- Overview of Power BI Desktop and Power BI Service, emphasizing their roles in data preparation and sharing.

2. Project-Based Learning Approach:

- The training adopted a project-based learning methodology, where participants engaged in hands-on exercises throughout the day.
- Emphasis on learning by doing, with practical examples to reinforce theoretical concepts.

3. Power Query Editor:

- Detailed exploration of Power Query Editor for data transformation tasks.
- Techniques for data cleaning, shaping, and combining data from multiple sources using Power Query.

4. Understanding Relationships:



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- Introduction to data modeling concepts within Power BI.
- Importance of establishing relationships between tables for effective data analysis and visualization.
- Hands-on exercises to create and manage relationships in a sample dataset.

Learning Outcomes

By the end of the first day, participants gained the following key insights and skills:

- Understanding of Power BI's role in data analytics and business intelligence.
- Proficiency in using Power Query Editor for data cleaning and transformation tasks.
- Ability to create and manage relationships between tables to support advanced data analysis.
- Practical experience through project-based learning, enhancing skills in real-world application of Power BI.



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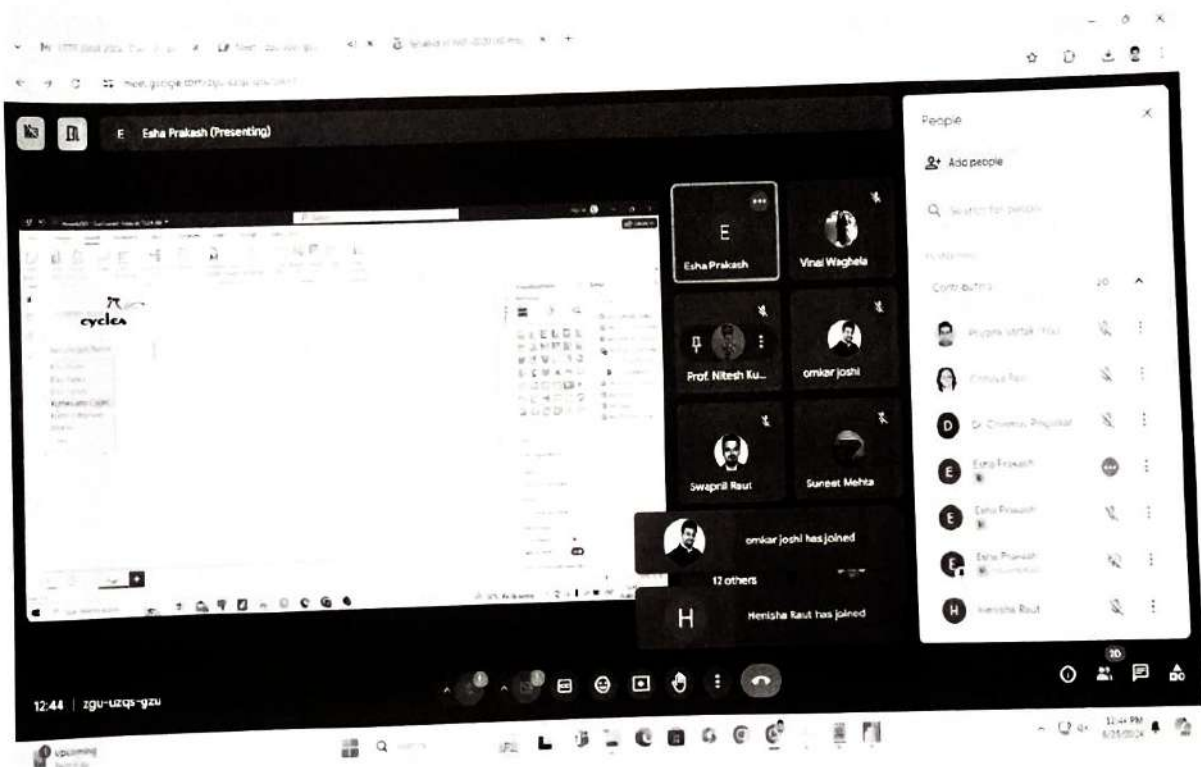
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Day 2: (25-06-2024): Power BI - DAX and Interactive Reports

Speaker's Name: Ms. Esha Prakash

Session Overview

The second day of the training program delved deeper into Power BI with a focus on DAX, a formula language used to create custom calculations in Power BI. The day's sessions were structured around project-based learning, where participants applied DAX expressions to manipulate data and create interactive reports.



Topics Covered

- Project-Based Learning Approach:**
 - Continuation of the project-based learning methodology introduced on the first day.
 - Participants engaged in hands-on activities and exercises designed to reinforce their understanding of DAX and interactive report creation.
- DAX - Calculated Columns:**
 - Introduction to DAX for creating calculated columns in Power BI.



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- Understanding the syntax and use cases of calculated columns to derive new data fields based on existing data.
- 3. **DAX - Measures:**
 - Detailed exploration of DAX measures for creating aggregations and calculations.
 - Techniques for creating measures such as sum, average, count, and custom aggregations based on specific business requirements.
- 4. **Creating Interactive Reports:**
 - Practical sessions on designing interactive reports using Power BI visuals.
 - Incorporation of filters, slicers, and drill-down capabilities to enhance user interactivity and data exploration.

Learning Outcomes

By the end of the second day, participants achieved the following learning outcomes:

- Proficiency in using DAX for creating calculated columns and measures to perform complex calculations and aggregations.
- Ability to design interactive reports that allow users to explore data dynamically using filters, slicers, and drill-down features.
- Practical experience in applying DAX expressions and designing reports through hands-on exercises and project-based learning.



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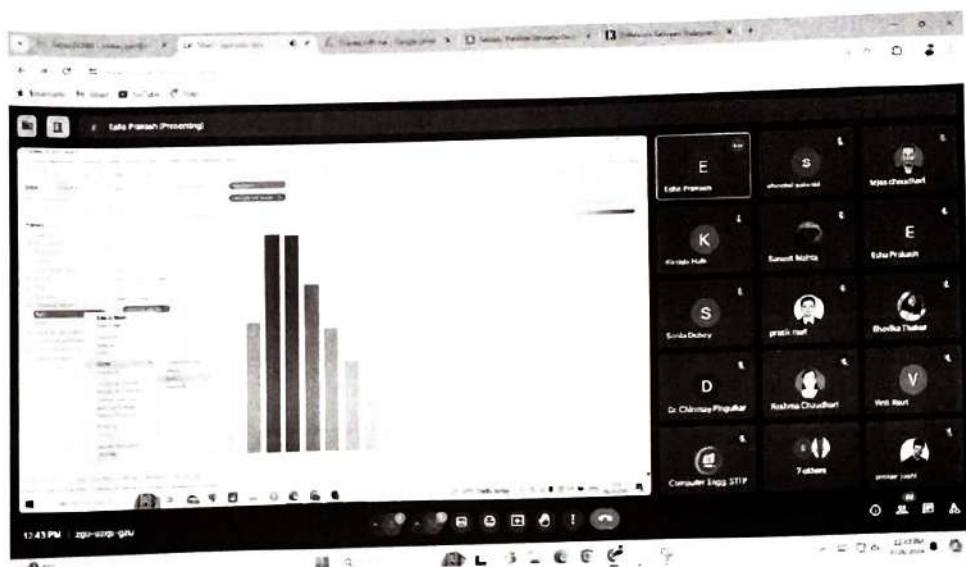
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Day 3: (26-06-2024): Tableau Introduction, Visual Storytelling, Interactive Dashboards, and Stories

Speaker's Name: Ms. Esha Prakash,

Session Overview

The third day of the training program introduced participants to Tableau, a leading data visualization and analytics tool. The sessions emphasized practical skills in creating compelling visualizations, interactive dashboards, and using data storytelling techniques to communicate insights effectively.





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Topics Covered

1. Tableau Introduction:

- Overview of Tableau's interface and workspace.
- Introduction to Tableau's key features, including data connection, data preparation, and visualization options.

2. Visual Storytelling:

- Importance of visual storytelling in data analysis and presentation.
- Techniques for creating engaging narratives with data to effectively convey insights and conclusions.

3. Interactive Dashboards:

- Design principles for creating interactive dashboards in Tableau.
- Hands-on exercises on integrating multiple visualizations into a cohesive dashboard with interactive elements.

4. Creating Stories with Data:

- Understanding the concept of storytelling with data.
- Practical sessions on structuring data stories in Tableau to guide viewers through data analysis processes and conclusions.

Learning Outcomes

By the end of the third day, participants achieved the following learning outcomes:

- Proficiency in navigating Tableau's interface and utilizing its features for data visualization and analysis.
- Ability to create visually appealing and interactive dashboards that allow users to explore data dynamically.
- Skills in leveraging visual storytelling techniques to communicate data-driven insights effectively.
- Practical experience in designing and presenting data stories using Tableau, enhancing their ability to engage stakeholders with actionable insights.



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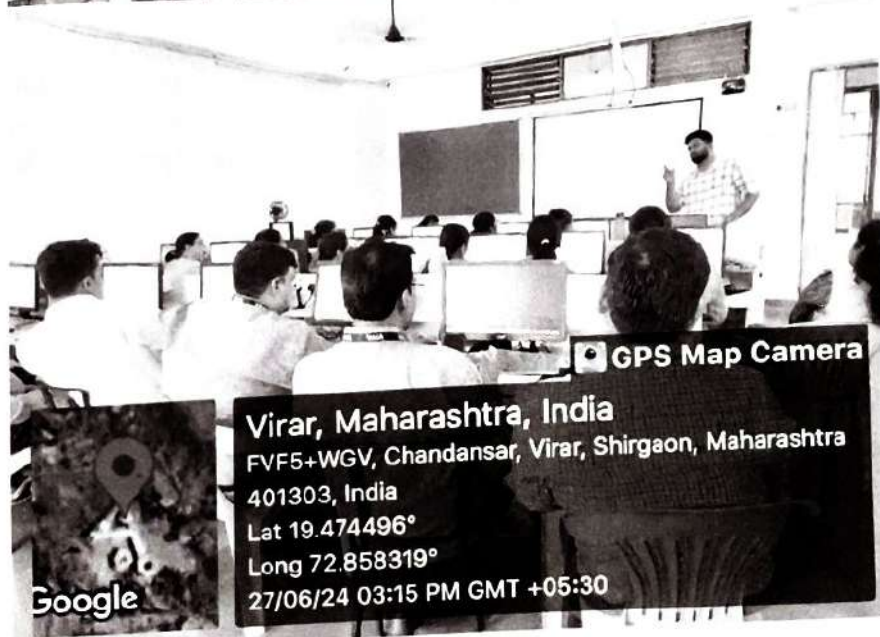
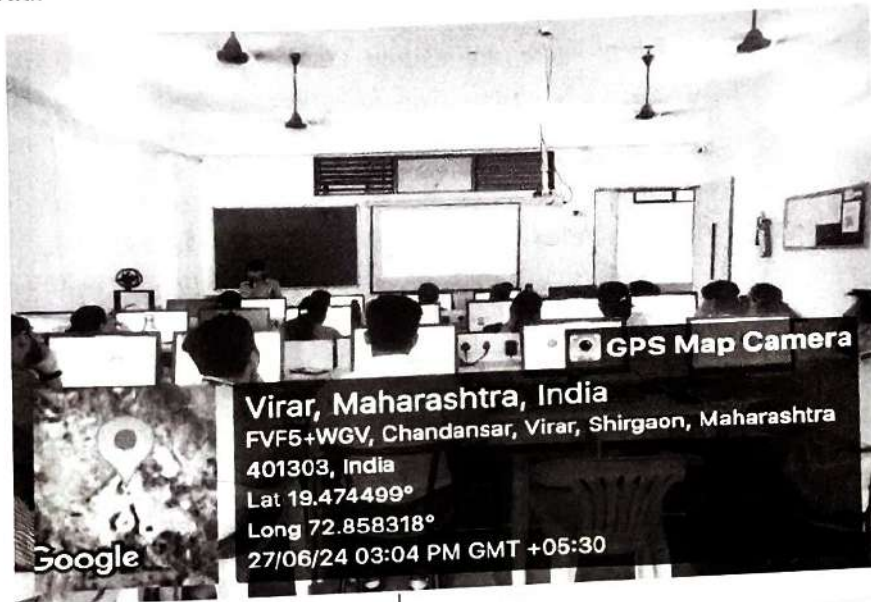
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Day 4: (27-06-2024): Tableau Advanced Analytics and Hands-On

Speakers' Name: Ms. Esha Prakash, Mr. Ashish Shetty

Session Overview

The fourth day of the training program aimed to deepen participants' understanding of Tableau by exploring advanced analytics capabilities. The sessions were designed to equip participants with skills in predictive analytics, statistical analysis, and advanced visualization techniques using Tableau.





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M. Shrigaon, Post Vairat, Tal. Vasai, Dist. Palghar - 401305. Tel: 770002844 Website: www.viva-technology.org

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Topics Covered

1. **Advanced Analytics in Tableau:**
 - Introduction to predictive analytics and its applications in engineering.
 - Hands-on exercises on using Tableau for predictive modeling and forecasting.
2. **Statistical Analysis with Tableau:**
 - Techniques for performing statistical analysis on engineering datasets using Tableau.
 - Application of statistical functions and calculations to derive insights from data.
3. **Advanced Visualization Techniques:**
 - Exploration of advanced visualization techniques in Tableau.
 - Use of advanced charts, graphs, and maps to enhance data interpretation and presentation.
4. **Hands-On Practical Sessions:**
 - Interactive workshops and guided exercises to apply advanced analytics techniques in Tableau.
 - Real-world case studies and scenarios to practice predictive modeling, statistical analysis, and advanced visualization.

Learning Outcomes

By the end of the fourth day, participants achieved the following learning outcomes:

- Proficiency in using Tableau for advanced analytics tasks such as predictive modelling and forecasting.
- Skills in performing statistical analysis on engineering datasets to extract meaningful insights.
- Ability to leverage advanced visualization techniques in Tableau to effectively communicate complex data patterns and trends.
- Practical experience through hands-on sessions and real-world applications, enhancing their ability to apply advanced analytics in engineering projects.



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Day 5: (28-06-2024): Advanced Excel Functions

Speakers' Name: Mr. Ketan Rabhadia

Session Overview

The fifth day of the training program concentrated on Advanced Excel functions that are essential for performing complex calculations, data analysis, and enhancing productivity in engineering tasks. The sessions aimed to equip participants with practical skills in using functions such as IF, SUM, SUMIF, SUMIFS, COUNT, COUNTIF, COUNTIFS, VLOOKUP, HLOOKUP, INDEX, MATCH, INDEX & MATCH, IFERROR, and CHOOSE.

The screenshot shows a Google Meet window with a presentation titled 'Ketan Rabhadia (Presenting)'. The presentation is an Excel spreadsheet with the following data:

Team	Country	Champions league	Games played	Points earned
Borussia	Germany	Yes	34	71
Milan	Italy	Yes	36	57
Manchester United	England	Yes	36	0
Hamburger	Germany	No	34	27
Lazio	Italy	No	36	56
Florentina	Italy	No	36	65
Bayern	Germany	Yes	34	0
Liverpool	England	No	36	84
Arsenal	England	Yes	36	79
Total			330	439

The spreadsheet shows a SUM formula applied to the 'Points earned' column, resulting in a total of 439. The Google Meet interface shows several participants in a grid view on the right side.

Topics Covered

1. Introduction to Advanced Excel Functions:

- Overview of the purpose and application of Advanced Excel functions in engineering data analysis and reporting.
- Explanation of how these functions can streamline data manipulation tasks and enhance efficiency.

2. Hands-On Exercises:

- Practical demonstrations and guided exercises on using IF function for conditional calculations.
- Application of SUM, SUMIF, and SUMIFS functions for aggregating data based on specified criteria.



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3. Data Analysis Functions:

- Techniques for using COUNT, COUNTIF, and COUNTIFS functions to count occurrences of data points meeting specific conditions.
- Utilization of VLOOKUP and HLOOKUP functions for vertical and horizontal lookup operations.

4. Advanced Lookup and Matching:

- Introduction to INDEX and MATCH functions for advanced lookup and retrieval of data.
- Combination of INDEX & MATCH functions to perform more complex lookup operations efficiently.

5. Error Handling and Other Functions:

- Understanding the IFERROR function for handling errors and displaying custom messages.
- Exploring the versatility of the CHOOSE function for selecting values from a list based on specified index numbers.

Learning Outcomes

By the end of the fifth day, participants achieved the following learning outcomes:

- Proficiency in using a range of Advanced Excel functions for conditional calculations, data aggregation, lookup operations, and error handling.
- Skills in applying these functions to manipulate and analyze engineering datasets effectively.
- Ability to streamline data analysis tasks and improve productivity through efficient use of Advanced Excel functions.
- Practical experience gained through hands-on exercises and real-world examples, enhancing participants' ability to apply Advanced Excel techniques in engineering projects.



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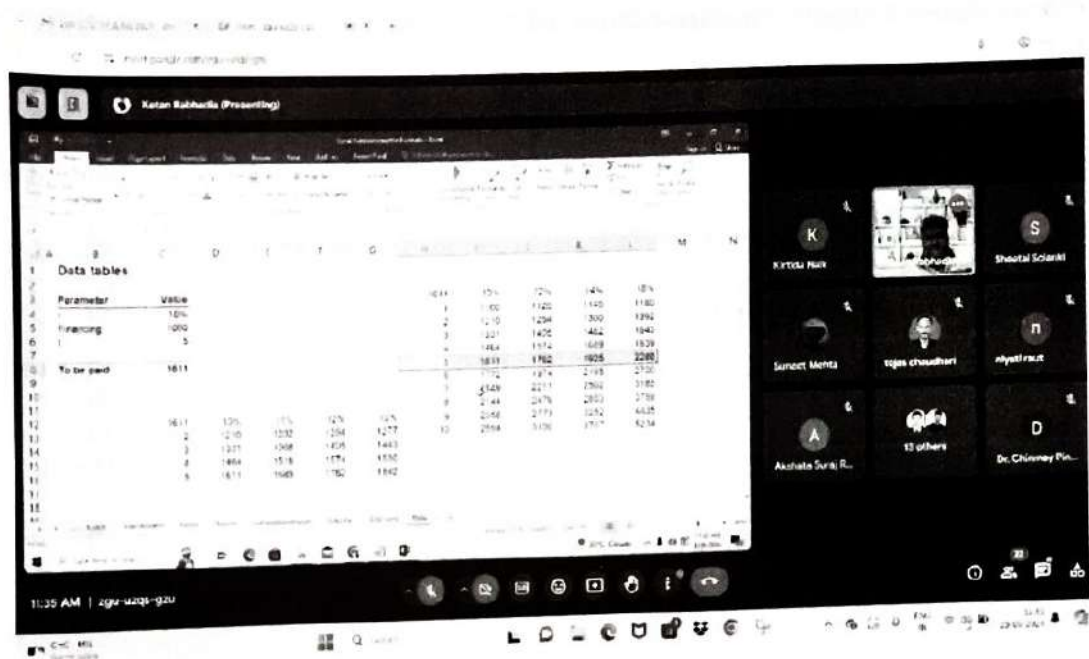
NAAC ACREDITATE WITH GRADE B--

Day 6: (29-06-2024): Advanced Excel Functions and Tools

Speakers' Name: Mr. Ketan Rabhadia

Session Overview

The sixth day of the training program continued to deepen participants' expertise in Advanced Excel functions and tools crucial for manipulating, analyzing, and presenting engineering data effectively. The sessions encompassed a wide range of functions and techniques designed to enhance participants' proficiency in Excel for engineering applications.



Topics Covered

- Average & Averageif, Max, Min:**
 - Utilization of Average, Averageif, Max, and Min functions for calculating statistical measures and aggregating data based on specific criteria.
- Goal Seek and Data Tables:**
 - Introduction to Goal Seek for performing what-if analysis to achieve desired outcomes.
 - Use of Data Tables for exploring multiple scenarios and analyzing how changes in variables affect results.
- Text Functions - Left, Right, Mid, Upper, Lower & Proper:**
 - Techniques for extracting and manipulating text data using Left, Right, Mid functions.



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- Application of Upper, Lower, and Proper functions to format text data consistently.
- 4. **Concatenate & &:**
 - Concatenation of text strings using Concatenate function and the '&' operator.
 - Integration of text and numerical data for creating comprehensive analysis reports.
- 5. **Pivot Tables:**
 - Introduction to Pivot Tables for summarizing and analysing large datasets.
 - Techniques for creating dynamic reports and visualizing data trends using Pivot Tables.
- 6. **Round Function:**
 - Application of Round function to round numerical values to a specified number of digits.
 - Importance of precision in engineering calculations and reporting.

Learning Outcomes

By the end of the sixth day, participants achieved the following learning outcomes:

- Mastery of a diverse set of Advanced Excel functions and tools essential for engineering data analysis and reporting.
- Skills in performing statistical calculations, what-if analysis, and text manipulation using appropriate Excel functions.
- Ability to create dynamic reports and visualize data trends effectively using Pivot Tables.
- Practical experience gained through hands-on exercises and case studies, reinforcing participants' ability to apply Advanced Excel techniques in engineering projects.

Dr. Chinmay Pingulkar
STTP Coordinator

Dr. Niyati Raut
STTP Coordinator



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Department of Mechanical Engineering, Department of Computer Engineering, Department of Computer Science Engineering (AI & ML), Department of MCA, VIVA Institute of Technology, Virar (E)

Topic Name: AICTE-ISTE Approved One week Short Term Training Program on "Application of Power BI, Tableau & Advanced Excel in Engineering"

Name of the Guest Speakers: Mr. Ashish Shetty, Ms. Esha Prakash,
Mr. Shoeb Shaikh, Mr. Ketan Rabhadia

Date: 24th June – 29th June 2024

Time: 09.30 am to 4.00 pm

Programme Summary/Details:

The AICTE-ISTE Approved One Week Short Term Training Program on "Application of Power BI, Tableau & Advanced Excel in Engineering" organized by the Department of Mechanical Engineering, Department of Computer Engineering, Department of Computer Science Engineering (AI & ML), Department of MCA, VIVA Institute of Technology, Virar (E) was a comprehensive course on the growing field of Data Analytics, Data Science and Presentation. The workshop brought together researchers, academic experts, engineers & scientists from industry and R&D institutes to discuss the application of Power BI, Tableau & Advanced Excel in Engineering.

The first day of the training program commenced with an introduction to Power BI, a powerful business analytics tool by Microsoft. The session aimed to familiarize participants with the basic concepts of Power BI and lay a foundation for subsequent learning in data manipulation, visualization, and reporting.

The second day of the training program delved deeper into Power BI with a focus on DAX, a formula language used to create custom calculations in Power BI. The day's sessions were structured around project-based learning, where participants applied DAX expressions to manipulate data and create interactive reports.

The third day of the training program introduced participants to Tableau, a leading data visualization and analytics tool. The sessions emphasized practical skills in creating compelling visualizations, interactive dashboards, and using data storytelling techniques to communicate insights effectively.

The fourth day of the training program aimed to deepen participants' understanding of Tableau by exploring advanced analytics capabilities. The sessions were designed to equip participants with skills in predictive analytics, statistical analysis, and advanced visualization techniques using Tableau.

The fifth day of the training program concentrated on Advanced Excel functions that are essential for performing complex calculations, data analysis, and enhancing productivity in engineering tasks. The sessions aimed to equip participants with practical skills in using functions such as IF, SUM, SUMIF, SUMIFS, COUNT, COUNTIF, COUNTIFS, VLOOKUP, HLOOKUP, INDEX, MATCH, INDEX & MATCH, IFERROR, and CHOOSE.



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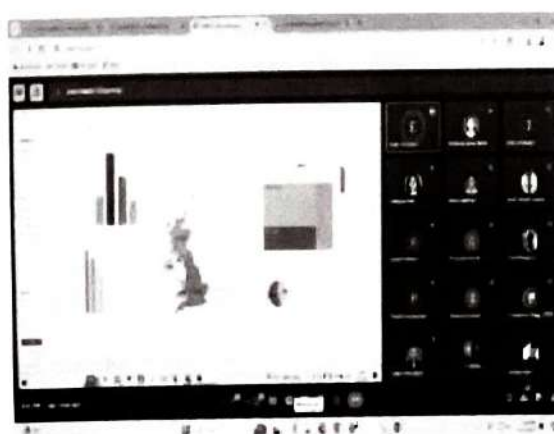
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The sixth day of the training program continued to deepen participants' expertise in Advanced Excel functions and tools crucial for manipulating, analyzing, and presenting engineering data effectively. The sessions encompassed a wide range of functions and techniques designed to enhance participants' proficiency in Excel for engineering applications.

In conclusion, the AICTE-ISTE Approved One Week Short Term Training Program on "Application of Power BI Tableau & Advanced Excel in Engineering" was an informative and practical course that provided participants with a comprehensive knowledge of Power BI, Tableau & Advanced Excel. The course provided the participants with a practical understanding of Power BI and lay a foundation for subsequent learning in data manipulation, visualization, and reporting. The STTP emphasized practical skills in creating compelling visualizations, interactive dashboards, and using data storytelling techniques to communicate insights effectively by using Tableau. Also the concentrated on Advanced Excel functions that are essential for performing complex calculations, data analysis, and enhancing productivity in engineering tasks. The course was beneficial for researchers, and professionals from the academic and industrial sectors who are interested in understanding the application of Power BI, Tableau & Advanced Excel in Engineering.

Photos:





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Prof. Ashwini Haryan

Prof. Sangita Kamble

CONTENT OF STTP

- Basics of Software Engineering
- Cybercrime and IT Act-2000
- Steganography & Wi-Fi security
- Data Analysis and Visualisation in Power Bi
- Computer Network Fundamentals
- Database Fundamentals
- Internet of Things (IoT) and Emerging Technologies

University of Mumbai and ISTE approved
One Week Short Term Training Program
on

"Foundations of Computing and Data Analysis"

(6th May to 13th May 2024)



Organized by
by

Department of Electronics and Telecommunication Engineering
and
Department of Electrical Engineering

OBJECTIVE

The objective of this one week short term training program is to equip participants with essential knowledge and skills in computer science domains vital for their professional growth and academic enrichment. Through a comprehensive curriculum, participants will delve into foundational concepts of data analysis, networking fundamentals, cybersecurity, database management, and emerging technologies such as the Internet of Things (IoT). By fostering a supportive learning environment and providing hands-on experience, this program endeavors to cultivate a diverse community of educators equipped to navigate the evolving landscape of interdisciplinary engineering. The program aims to bridge the gap between traditional engineering disciplines and modern computing paradigms, empowering participants to integrate computational techniques into their teaching, research, and industry collaborations effectively. Participants will emerge with a solid understanding of fundamental computer science principles and their applications.

KEY TAKE AWAY

- Knowledge of Software development life cycle and software design principles.
- In depth understanding of threats, vulnerabilities and common attacks.
- Learning tools and techniques applied to different network communication.

ELIGIBILITY

Post-graduate students, research scholars, faculty members from academic institutions and universities and industry professionals.

EVENT DETAILS

Date: 6th to 13th May 2024

Time : 10.00 am to 4.00 pm

REGISTRATION

Research Scholar/ Students / Faculty / Industry Person can register with registration fees: Rs.400/-

Last date of online Registration 30th April 2024.

Confirmation: 2nd May 2024.

REGISTRATION LINK



<https://forms.gle/UBpsgCoPZuo6K8my5>

INDIAN SOCIETY FOR TECHNICAL EDUCATION



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SHORT-TERM TRAINING PROGRAMMES (STTPS) (ON SELF-FINANCING BASIS) PROFORMA FOR SENDING PROPOSALS (For Chapters of Indian Society for Technical Education)

Note : Before filling up the Proforma, please read carefully the rules and conditions
(To be filled in by Coordinator)

1.	Name and Address of Host Institution with Pin code	Address: VIVA INSTITUTE OF TECHNOLOGY, Kumbharpada, Shirgaon, Virar (E.) Pin Code : 401305 Phone: 7770002544 Fax : Email: principalvit@vivacollege.org principal@viva-technology.org	
2.	Title of the Programme (<i>This should convey the content & main thrust of the programme</i>) (in Capital Letters, please)	One Week short term training program on: "FOUNDATIONS OF COMPUTING AND DATA ANALYSIS".	
3.	The Programme is intended for (Tick one only)	<input checked="" type="checkbox"/> Teachers <input type="checkbox"/> Working Professionals (Others (specify))	
4.	Name, Designation and Address of the Course Coordinator(s) (One Coordinator preferred. More than two not permissible)	1. Archana Ingle HOD (EXTC Engg.) Virar (E.)	2. Bhushan Save HOD (Electrical Engg.) Virar (E.)
-	Telephone, Mobile & Email of the Coordinator(s)	9823413170 archanaingle@viva-technology.org	9967838678 bhushansave@viva-technology.org
-	Highest Qualification of Coordinator(s)	Ph.D. (EXTC)	M.E. (EXTC) Ph.D. (Persuing)
-	Area of Specialisation	EXTC Engg.	EXTC Engg.

-	Teaching Experience (years)	22 years	18 years
-	Industry Experience (years)	—	01 year
-	Number of papers published	22	16
-	Number of Short-Term Courses of Summer/Winter Schools attended	23	20
-	Number of Short-Term Courses of Summer/Winter Schools conducted earlier	08	07
5.	Specialisation area for which the proposal is made (tick one only)	<input type="checkbox"/> Civil <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Electronics <input checked="" type="checkbox"/> Computer Science <input type="checkbox"/> Pharmacy <input type="checkbox"/> Architecture <input type="checkbox"/> Management <input type="checkbox"/> Hotel Management	<input type="checkbox"/> Basic Sciences (Specify subject) <input checked="" type="checkbox"/> Interdisciplinary (Specify areas covered) <input type="checkbox"/> Others (specify)
6.	The course is basically (Tick one only)	<input checked="" type="checkbox"/> Subject updating course <input type="checkbox"/> Special course on Emerging areas <input type="checkbox"/> Pedagogy <input type="checkbox"/> Other (Specify)	
7.	Whether the proposal covers any of the categories indicated (Tick one only)	<input type="checkbox"/> Industry-based programmes with substantial involvement of industry and its experts <input type="checkbox"/> Education Technology/Methodology of teaching <input type="checkbox"/> Training for technical supporting staff <input checked="" type="checkbox"/> Emerging Area <input type="checkbox"/> Others (specify)	
8.	Duration of the programme (Tick one only)	<input checked="" type="checkbox"/> One week (minimum 5 working days) <input type="checkbox"/> Two weeks (minimum 10 working days) <input type="checkbox"/> Three weeks (minimum 15 working days) <input type="checkbox"/> Four weeks (minimum 20 working days)	

9.	Proposed dates for the Programme (specify dates) which may be changed later, if required	From <u>6th May 2024</u> To <u>13th May 2024</u> Note : It is advisable to commence programme on MONDAY
10	Do you have enough expertise within your institute and neighbouring places to offer the course satisfactorily? If NO, list the names and addresses of outside faculty needed. At least one faculty from IITs or NIITs	<input checked="" type="checkbox"/> Yes (No Name of faculty from IITs/NIITs Faculty from other institutes 1. 1. 2. 2. 3. 3. 4. 4.

COURSE DETAILS

1.	Significance & Objectives of the programme (list one or two major objectives)	1. Providing foundational concepts of data analysis, networking fundamentals, Cybersecurity, database management. 2. Empowering participants to integrate computational techniques into their teaching & research.																		
2.	Course Content/Coverage (List 5 to 8 major topics with proposed duration of coverage in hours for each topic)	<table border="1"> <thead> <tr> <th>Topic</th> <th>Duration</th> </tr> </thead> <tbody> <tr> <td>1. Basics of software Engg.</td> <td>05</td> </tr> <tr> <td>2. Cybercrime & IT act 2000</td> <td>05</td> </tr> <tr> <td>3. Steganography & Wi-fi security</td> <td>05</td> </tr> <tr> <td>4. Data Analysis & Visualization in Power BI</td> <td>05</td> </tr> <tr> <td>5. Computer Network fundamentals</td> <td>05</td> </tr> <tr> <td>6. Database Fundamentals</td> <td>02</td> </tr> <tr> <td>7. IOT & Emerging Technologies</td> <td>03</td> </tr> <tr> <td>8.</td> <td></td> </tr> </tbody> </table>	Topic	Duration	1. Basics of software Engg.	05	2. Cybercrime & IT act 2000	05	3. Steganography & Wi-fi security	05	4. Data Analysis & Visualization in Power BI	05	5. Computer Network fundamentals	05	6. Database Fundamentals	02	7. IOT & Emerging Technologies	03	8.	
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5. Computer Network fundamentals	05																			
6. Database Fundamentals	02																			
7. IOT & Emerging Technologies	03																			
8.																				
3.	Course Schedule	Total working days = 06 Lecture = 09 hrs. Laboratory/Practical = 21 hrs. Industrial/Field Visits = hrs. Others (specify) = hrs. Total hours engaged = 30 hrs.																		
4.	Details of special equipment or laboratory facilities available for the course	MIC, Projector, 40 Computers.																		
5.	Collaboration with industry/ other institutions/ departments (indicate name of organization)	4. NIL																		

6. Details of Course Faculty (<i>List details of faculty</i>)				
Sl. No.	Name & Designation	Institute	Highest Qualification	Field of Interest/specialisation
1.	Dr. Brijesh Jashi, Associate Professor, VIT	VIVA Inst. of Tech.	Ph.D.	Big data, Software Engg.
2.	Esha Prakash Data Science Expert	Testrigga LLPLAB	B.E.	Data Science.
3.	Dr. Harshali Patil Associate Professor.	Somaiya Univ.	Ph.D.	Cyber Security & Cryptography.
4.	Soniya Dubey, Assi. Prof.	VIVA Inst. of Tech.	MCA, MBA(IT) Ph.D. (Persuing)	Networking.
5.	Nirav Patel, Prng. Manager	RAW Engg.	M.E.	IOT, DBMS.
7.	Audio visual facilities available (Tick relevant ones)	<input checked="" type="checkbox"/> Over Head Projector <input type="checkbox"/> Slide Projector <input type="checkbox"/> 16/35 mm film Projector <input checked="" type="checkbox"/> Video System <input type="checkbox"/> Others (specify)		
8.	ISTE Institutional Membership No. of your Institute	LM 2223		
9.	Does your institution have an ISTE Chapter (a) If no, will it make minimum 25 members of ISTE	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		

I certify that the details given above are correct to the best of my knowledge and belief and I will organize the programme satisfactorily if approved. I also promise that I will abide by the terms and conditions contained in the ISTE Proceedings and submit the Final Report with Processing and operational expense to ISTE within 15 days after completion of the Programme. The DD of the proposal fee in favour of ISTE payable at Delhi is enclosed herewith.

Place : Virar

Date : 22.4.2024

Signature of
Coordinator
with Name

Archana Jogle

I agree to provide all necessary assistance and facilities of the institute for the conduct of the above programme.

Place : Virar

Date : 22.4.2024

Signature of
Principal/Director
with Name

Dr. Arun Kumar



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Department of Electronics and Telecommunication Engineering

**Report on University of Mumbai and ISTE Approved One Week Short Term Training
Program on**

"Foundations of Computing and Data Analysis"

Organized by

**Department of Electronics and Telecommunication Engineering and Department of
Electrical Engineering**

The objective of this one-week short term training program is to equip participants with essential knowledge and skills in computer science domains vital for their professional growth and academic enrichment. Through a comprehensive curriculum, participants will delve into foundational concepts of data analysis, networking fundamentals, cybersecurity, database management, and emerging technologies such as the Internet of Things (IoT). By fostering a supportive learning environment and providing hands-on experience, this program endeavors to cultivate a diverse community of educators equipped to navigate the evolving landscape of interdisciplinary engineering.

The program aims to bridge the gap between traditional engineering disciplines and modern computing paradigms, empowering participants to integrate computational techniques into their teaching, research, and industry collaborations effectively. Participants will emerge with a solid understanding of fundamental computer science principles and their applications.

Topics Covered in STTP on "Foundations of Computing and Data Analysis"

- Basics of Software Engineering
- Cybercrime and IT Act-2000
- Steganography & Wi-Fi security
- Data Analysis and Visualisation in Power Bi
- Computer Network Fundamentals
- Database Fundamentals
- Internet of Things (IoT) and Emerging Technologies

At the end of STTP participants are able to

- Knowledge of Software development life cycle and software design principles.
- In depth understanding of threats, vulnerabilities and common attacks.
- Learning tools and techniques applied to different network communication.



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Department of Electronics and Telecommunication Engineering

The University of Mumbai introduced revised curriculum which includes, programing and software simulation in different subjects. As new developments are introducing in industry day by day demanding expertise in the field of software coding and programing language, it was felt necessary that the teaching faculty also become competent in the said technology. With keeping this as an intension the University of Mumbai and ISTE approved STTP was conducted from 6th May to 13th May, 2024 in Electronics and Telecommunication Engineering Department, VIVA Institute of Technology.

Details of the speakers is as under

SN.	Name of the Guest Speaker	Details of the Speaker	Topics Addressed	Date
1	Dr. Brijesh Joshi	Associate Professor, VIVA Institute of Technology	Basics of Software Computing	06/05/2024
2	Ms. Isha Prakash	Data Science Domain Expert, TESTRIQ QA LLP LAB,Mira Road	Data Analysis and Visualtisation In Power Bi	07/05/2024
3	Dr. Harshali Patil	Associate Professor, Somaiya Vidyavihar University, Mumbai	Cyber Security	08/05/2024
4	Mrs. Sonia Dubey	Assistant Professor, VIVA Institute of Technology	Computer Network Fundamentals	09/05/2024
5	Mr. Nirav Patel	Tarining & Development manager, Contentstack, RAW Engineering	IoT Emerging Technology and database Fundamentals	10/05/2024
6	Mrs. Kshitija Katare	General manager EDBA Academy	Industrial VISIT to EDBA Academy	13/05/2024

Participants were the teaching faculty of Engineering College. Total of 16 faculty members participated in the One Week Short Term Training Program conducted.

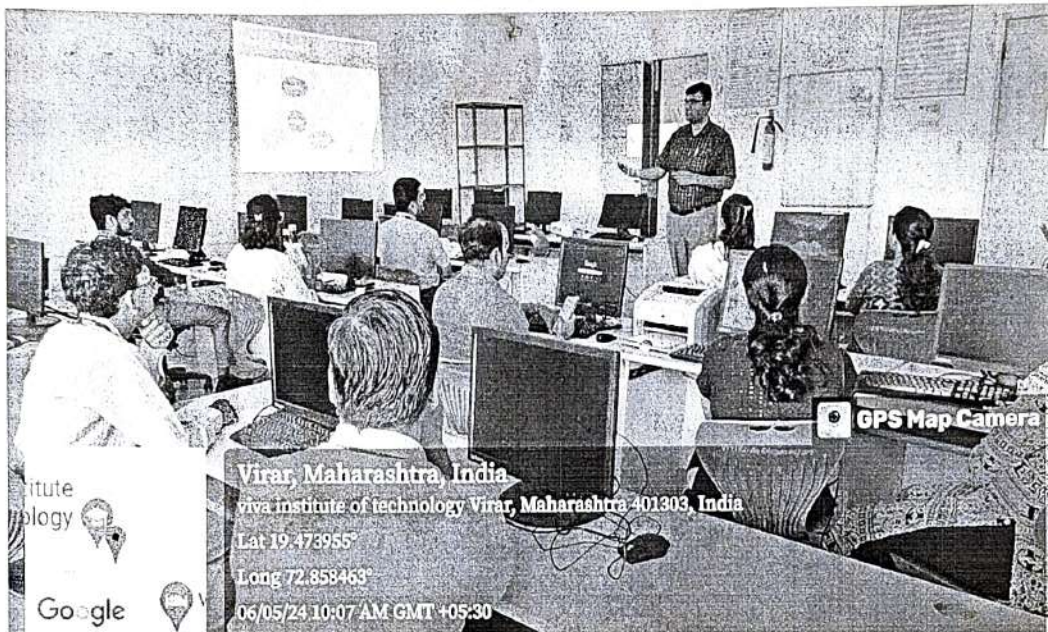
On the last day of STTP institute had received the feedbacks from the participants that they have learned and enhanced their knowledge in this STTP and they would always want to attend this kind of STTP in this institute once again. The overall feedback of the Training Program was encouraging and was highly rated by the participants.



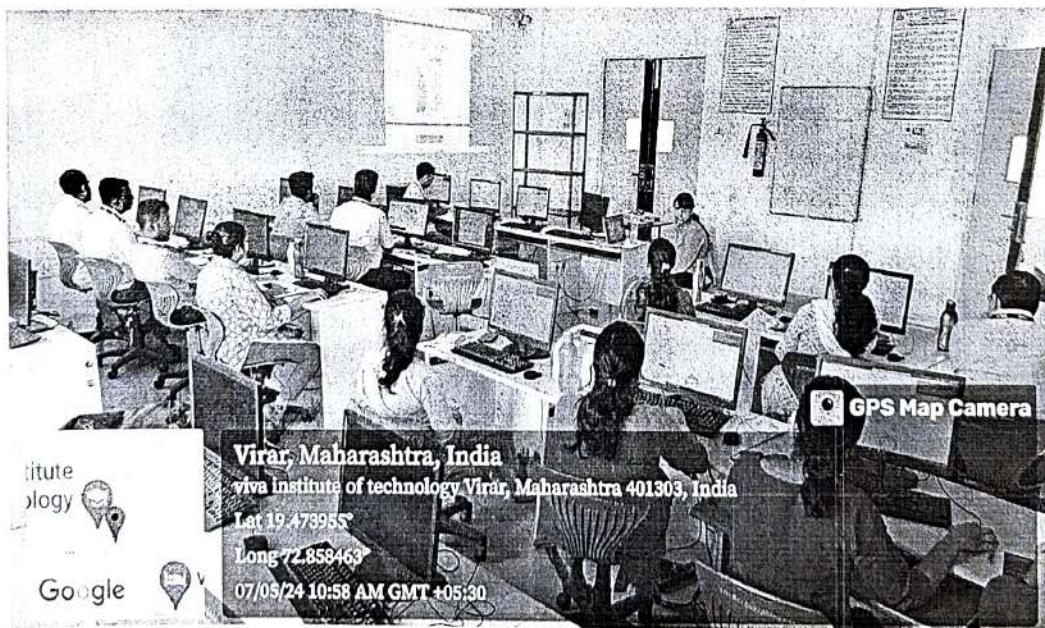
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Day1: Basics of Software Computing - Dr. Brijesh Joshi



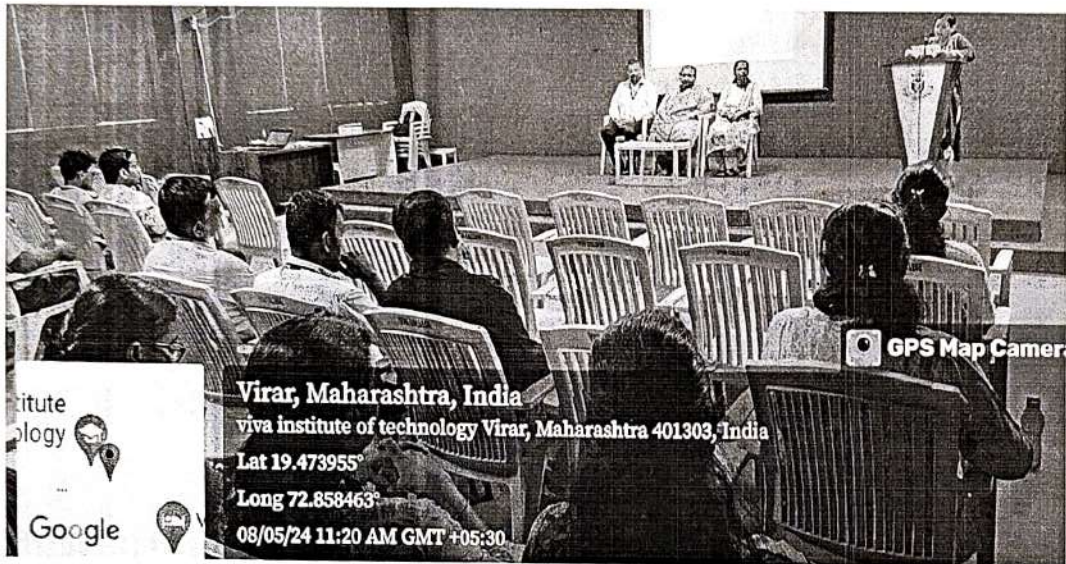
Day 2: Data Analysis and Visualisation In Power Bi - Ms. Esha Prakash



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VIVA Institute of Technology
Shirgaon, Virar (East), Tal: Vasai, Dist: Palghar-401305, Maharashtra.
Website: www.viva-technology.org

NAAC "B++" Grade

Department of Electronics and Telecommunication Engineering



Day 3: Cyber Security- Dr. Harshali Patil



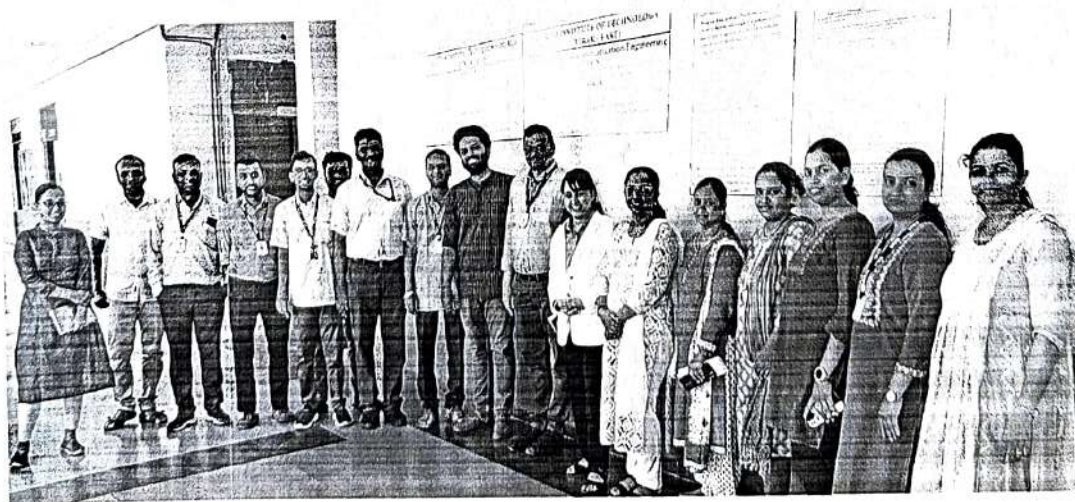
Day 4: Computer Network Fundamentals- Mrs. Sonia Dubey



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Department of Electronics and Telecommunication Engineering



Sr. No.	Branch	Name of Participant	Contact Number	Email ID	ISTE Membership Number	Quiz Marks (20)
1	EXTC	Dr. Archana Ingle	9823413170	archanaingle@viva-technology.org	LM 76833	20
2	ELECT	Dr Deepak Sajnekar	9833923501	deepaksajnekar@viva-technology.org	LM 47946	19
3	ELECT	Bhushan Save	9967838678	bhushansave@viva-technology.org	LM 76830	11
4	EXTC	Meena Perla	9028989009	meenavallakati@viva-technology.org	LM 91150	20
5	EXTC	Pratik Parsewar	8097909768	pratikparsewar@viva-technology.org	LM 76837	15
6	EXTC	Kushal Suvarna	9028234696	kushalsuvarna@viva-technology.org	LM 91545	13
7	EXTC	Ashwini Haryan	9821611367	ashwinikothavale@viva-technology.org	LM 91549	12
8	EXTC	Nutan Malekar	9867511847	nutanmalekar@viva-technology.org	LM 91553	16
9	EXTC	Bharat Warude	9987001925	bharatwarude@viva-technology.org	LM 138799	16
10	EXTC	Sonali Gaikwad	9764216544	sonaligaikwad@viva-technology.org	LM 138797	11
11	ELECT	Amitkumar Vishwakarma	9136551520	amitvishwakarma@viva-technology.org	LM 139633	12
12	ELECT	Rahul Abhyankar	9096468427	rahulabhyankar@viva-technology.org	LM 123970	13
13	ELECT	Sapna Gahlot	9639004994	sapnagahlot@viva-technology.org	LM 139631	18
14	ELECT	Tejas Sankpal	9168490304	tejassankpal@viva-technology.org	LM 137498	11
15	ELECT	Reema Gupta	8793904427	reemagupta@viva-technology.org	LM 139641	12
16	ELECT	Sangita Kamble	9011587735	sangitavishwakarma@viva-technology.org	LM 135357	14



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Website: www.viva-technology.org

**Department of Electronics and Telecommunication Engineering and
Department of Electrical Engineering**

**University of Mumbai and ISTE approved One Week Short Term Training Program
on**

"Foundations of Computing and Data Analysis "

(6th May to 13th May 2024)

Day 1 Topic: Basics of Software Computing

Resource Person: Dr. Brijesh Joshi, Associate Professor

Date: 06/05/2024

S.N.	Name of participant	Sign
1	Dr. Archana Ingle	
2	Meena N. Perla	
3	Sonali P. Gaikwad	
4	Deepak Bajnorkar	
5	Amitkumar Vishwakarma.	
6	Nutan Malekar	
7	KUSHAL SUVARNA	
8	Bharat V Harude	
9	Tejas R. Sankpal	
10	Rahul Abhyankar	
11	Sapna Gahlot	
12	Sangita R. Kamble	
13	Pratik Parsewar	
14	Ashwini Hanyani	
15		
16		
17		
18		

Signature of the Resource Person

6/5/2024



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Website: www.viva-technology.org

**Department of Electronics and Telecommunication Engineering and
Department of Electrical Engineering**

**University of Mumbai and ISTE approved One Week Short Term Training Program
on**

"Foundations of Computing and Data Analysis"

(6th May to 13th May 2024)

Day 2 Topic: Data Analysis and Visualization in Power Bi

Resource Person: Ms. Esha Prakash, Data Science domain expert

TESTRIQ QA LLP LAB, Miraroad

Date: 7th May 2024

S.N.	Name of participant	Sign
1	Bhusham Saure	Bhusham
2	Dr. Archana Jogle	Dr. Archana
3	Meena Perla	Meena
4	Sonali Gaikwad	Sonali
5	Sapna Gahlot	Sapna
6	Sanjiba R. Kambh	Sanjiba
7	Reema Gupta	Reema
8	Ashwini Haryan	Ashwini
9	KUSHAL SUVARNA	Kushal
10	Bharat Warude	Bharat
11	Balim Parnekar	Balim
12	Deepak Sejnekar	Deepak
13	Amittomas Vishwakarma	Amittomas
14	Nutan Malekar	Nutan
15	Tejas Sankpal	Tejas
16	Rahul Abhyankar	Rahul
17		
18		

Signature of the Resource Person



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Shirgaon, Virar (East), Tal: Vasai, Dist: Palghar-401305, Maharashtra.

Website: www.viva-technology.org

**Department of Electronics and Telecommunication Engineering and
Department of Electrical Engineering**

University of Mumbai and ISTE approved One Week Short Term Training Program

on

"Foundations of Computing and Data Analysis"

(6th May to 13th May 2024)

Day 3 Topic: Cyber security

**Resource Person: Dr. Harshali Patil, Associate Professor, Somaiya Vidyavihar University,
Mumbai**

Date: 8th May 2024

S.N.	Name of participant	Sign
1	Dr. Archana Ingole	
2	Meena Perla	
3	Sonali Gaikwad	
4	Bhushan Sane	
5	Bharat Wamde	
6	KUSHAL SUVARMA	
7	Pratik Parseway	
8	Nutan Malekar	
9	Saunika R. Kamble	
10	Sapna Gahlot	
11	Reema Gupta	
12	Dr. Deepak Sajnerkar	
13	Amir Kumar Vishwakarma	
14	Tejas Sankpal	
15	Rahul Abhyankar	
16	Ashwini Hanyam	
17		
18		

Signature of the Resource Person



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**Department of Electronics and Telecommunication Engineering and
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**University of Mumbai and ISTE approved One Week Short Term Training Program
on**

"Foundations of Computing and Data Analysis"

(6th May to 13th May 2024)

Day 4 Topic: Computer Network Fundamentals

Resource Person: Mrs. Sonia Dubey, Assistant Professor

Date: 9th May 2024

S.N.	Name of participant	Sign
1	Meena Perla	
2	Sonal ⁱ Gaikwad	
3	Dr. Archana Ingle	
4	Sapna Gahlot	
5	Sanjita Kamble	
6	Tejas Sankpal	
7	Bhushan Sane	
8	Amit Kumar Vishwakarma	
9	Dr. Deepak Sajjwan	
10	Rahul Abhyankar	
11	Nutan Malekar	
12	Pratik Parnekar	
13	Bhaskar V Wande	
14	KUSHAL SUVARNA	
15	Reema Gupta	
16	Ashwini Hanger	
17		
18		

Signature of the Resource Person

9/5/24



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**Department of Electronics and Telecommunication Engineering and
Department of Electrical Engineering**

**University of Mumbai and ISTE approved One Week Short Term Training Program
on**

**"Foundations of Computing and Data Analysis"
(6th May to 13th May 2024)**

Day 5 Topic: IoT Emerging technology and Database fundamental

**Resource Person: Mr. Nirav Patel, Training and Development Manager, Contentstack,
Raw Engineering**

Date: 10th May 2024

S.N.	Name of participant	Sign
1	Meena Perla	
2	Bhushan Sane	
3	Sonali Gaiswad	
4	Nutan Malekar	
5	Dr. Deepak Sajnikar	
6	Amikomas Vishwakarma	
7	KUSHAL SUVARNA	
8	Bharat Wande	
9	Pratik Patil	
10	Ashwini Haryan	
11	Sapna Gahlot	
12	Sanjita Kumbh	
13		
14		
15		
16		
17		
18		

Signature of the Resource Person



Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

Approved by AICTE, New Delhi, DTE, Government of Maharashtra
and Affiliated to University of Mumbai

Shri. Hitendra V. Thakur
President

Ms. Aparna P. Thakur
Secretary

Dr. Arun Kumar
Principal

Ref. No. : VIVA / VIT / 5732 / 2023-24

Date : 6.5.24

To,
Dr. Brijesh Joshi,
Associate Professor,
M.C.A. Department,
VIVA Institute of Technology,
Virar (East) Tal-Vasai,
Dist- Palghar-401 305.

Subject: Letter of Appreciation

Dear Sir,

We are really grateful to you for your valuable time and effort for Delivering session on **"Basics of Software Engineering"** for one week STTP on **Foundations of Computing and Data Analysis** approved by the University of Mumbai and ISTE which is organized by EXTC and Electrical Engineering Department at VIVA Institute of Technology on 6th May 2024.

Your session was very informative, knowledgeable and motivating.

Hope for similar support in future too.

Thanking you.


6.5.24



Yours faithfully,



Principal
Dr. Arun Kumar



Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology

Approved by AICTE, New Delhi, DTE, Government of Maharashtra
and Affiliated to University of Mumbai

Shri. Hitendra V. Thakur
President

Ms. Aparna P. Thakur
Secretary

Dr. Arun Kumar
Principal

Ref. No. : VIVA / VIT / 5733 / 2023-24

Date : 07-05-24

To,
Ms. Esha Prakash,
Data Science domain Expert,
TESTRIQ QA LLP LAB,
Mira Road.

Subject: Letter of Appreciation

Dear Madam,

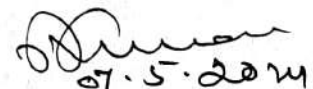
We are really grateful to you for your valuable time and effort for Delivering session on **"Data Analysis and Visualization in Power BI"** for one week STTP on **Foundations of Computing and Data Analysis** approved by the University of Mumbai and ISTE which is organized by EXTC and Electrical Engineering Department at VIVA Institute of Technology on **7th May 2024**.

Your session was very informative, knowledgeable and motivating.

Hope for similar support in future too.

Thanking you.

Yours faithfully,


07.5.2024
Principal
Dr. Arun Kumar







Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology

Approved by AICTE, New Delhi, DTE, Government of Maharashtra
and Affiliated to University of Mumbai

Shri. Hitendra V. Thakur
President

Ms. Aparna P. Thakur
Secretary

Dr. Arun Kumar
Principal

Ref. No. : VIVA / VIT / 5737 / 2023 - 24

Date : 08-05-24

To,
Dr. Harshali Patil,
Associate Professor,
Somaiya Vidyavihar University,
Vidyanagar, Vidya Vihar East,
Mumbai, Maharashtra 400077.

Subject: Letter of Appreciation

Dear Madam,

We are really grateful to you for your valuable time and effort for Delivering session on "Cyber Security" for one week STTP on **Foundations of Computing and Data Analysis** approved by the University of Mumbai and ISTE which is organized by EXTC and Electrical Engineering Department at VIVA Institute of Technology on **8th May 2024**.

Your session was very informative, knowledgeable and motivating.

Hope for similar support in future too.

Thanking you.



Yours faithfully,

Principal
Dr. Arun Kumar

Received
(Patil)
08/05/2024



Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

Approved by AICTE, New Delhi, DTE, Government of Maharashtra
and Affiliated to University of Mumbai

Shri. Hitendra V. Thakur
President

Ms. Aparna P. Thakur
Secretary

Dr. Arun Kumar
Principal

Ref. No. : VIVA / VIT / 5741 / 2023-24

Date : 09-05-2024

To,
Prof. Sonia Dubey,
Assistant Professor,
M.C.A. Department,
VIVA Institute of Technology,
Virar (East) Tal-Vasai, Dist- Palghar,
Maharashtra - 401 305.

Subject: Letter of Appreciation

Dear Madam,

We are really grateful to you for your valuable time and effort for Delivering session on "Computer Network Fundamentals" for one week STTP on Foundations of Computing and Data Analysis approved by the University of Mumbai and ISTE which is organized by EXTC and Electrical Engineering Department at VIVA Institute of Technology on 9th May 2024.

Your session was very informative, knowledgeable and motivating.

Hope for similar support in future too.

Thanking you.

Yours faithfully,

Received
9/5/24



Principal
Dr. Arun Kumar



Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

Approved by AICTE, New Delhi, DTE, Government of Maharashtra
and Affiliated to University of Mumbai

Shri. Hitendra V. Thakur
President

Ms. Aparna P. Thakur
Secretary

Dr. Arun Kumar
Principal

Ref. No. : VIVA / VIT / 5744 / 2023-24

Date : 10.05.2024

To,
Mr. Nirav Patel,
Training & Development Manager,
Contentstack, Raw Engineering,
Virar (West).

Subject: Letter of Appreciation

Dear Sir,

We are really grateful to you for your valuable time and effort for Delivering session on **"IoT Emerging Technology and Database Fundamental"** for one week STTP on **Foundations of Computing and Data Analysis** approved by the University of Mumbai and ISTE which is organized by EXTC and Electrical Engineering Department at VIVA Institute of Technology on **10th May 2024**.

Your session was very informative, knowledgeable and motivating.

Hope for similar support in future too.

Thanking you.

Yours faithfully,

Principal
Dr. Arun Kumar



Received



Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
 Shirgaon, Virar (East), Dist: Palghar-401305, Maharashtra
 Contact No. 7770002544 Website: www.viva-technology.org
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PATRONS

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President, VIVA Trust

Hon. Shri. P. D. Kodollikar

Chairman, Managing Committee, VIVA Trust

Ms. Aparna P. Thakur

Secretary, VIVA Trust

CONVENOR

Dr. Arun Kumar

Principal

COORDINATOR

Prof. Archana Ingle
H.O.D.(EXTC)

Prof. Bhushan Save
H.O.D. (ELECT)

Organizing Committee

Prof. Meena Perla

Prof. Anojkumar Yadav

Prof. Ashwini Haryan

Prof. Sangita Kamble

CONTENT OF STTP

- Basics of Software Engineering
- Cybercrime and IT Act-2000
- Steganography & Wi-Fi security
- Data Analysis and Visualisation in Power Bi
- Computer Network Fundamentals
- Database Fundamentals
- Internet of Things (IoT) and Emerging Technologies

University of Mumbai and ISTE approved
 One Week Short Term Training Program
 on

"Foundations of Computing and Data Analysis"

(6th May to 13th May 2024)



Organized by
 by

Department of Electronics and Telecommunication Engineering
 and
 Department of Electrical Engineering

OBJECTIVE

The objective of this one week short term training program is to equip participants with essential knowledge and skills in computer science domains vital for their professional growth and academic enrichment. Through a comprehensive curriculum, participants will delve into foundational concepts of data analysis, networking fundamentals, cybersecurity, database management, and emerging technologies such as the Internet of Things (IoT). By fostering a supportive learning environment and providing hands-on experience, this program endeavors to cultivate a diverse community of educators equipped to navigate the evolving landscape of interdisciplinary engineering. The program aims to bridge the gap between traditional engineering disciplines and modern computing paradigms, empowering participants to integrate computational techniques into their teaching, research, and industry collaborations effectively. Participants will emerge with a solid understanding of fundamental computer science principles and their applications.

KEY TAKE AWAY

- Knowledge of Software development life cycle and software design principles.
- In depth understanding of threats, vulnerabilities and common attacks.
- Learning tools and techniques applied to different network communication.

ELIGIBILITY

Post-graduate students, research scholars, faculty members from academic institutions and universities and industry professionals.

EVENT DETAILS

Date: 6th to 13th May 2024

Time : 10.00 am to 4.00 pm

REGISTRATION

Research Scholar/ Students / Faculty / Industry Person can register with registration fees: Rs.400/-

Last date of online Registration 30th April 2024.

Confirmation: 2nd May 2024.

REGISTRATION LINK



<https://forms.gle/UBpsgCoPZuo6K8my5>

INDIAN SOCIETY FOR TECHNICAL EDUCATION



FOUNDED 1968

SHORT-TERM TRAINING PROGRAMMES (STTPS) (ON SELF-FINANCING BASIS) PROFORMA FOR SENDING PROPOSALS (For Chapters of Indian Society for Technical Education)

Note : Before filling up the Proforma, please read carefully the rules and conditions
(To be filled in by Coordinator)

1.	Name and Address of Host Institution with Pin code	Address: VIVA INSTITUTE OF TECHNOLOGY, Kumbharpada, Shirgaon, Virar (E.) Pin Code : 401305 Phone: 7770002544 Fax : Email: principalvit@vivacollege.org principal@viva-technology.org	
2.	Title of the Programme (<i>This should convey the content & main thrust of the programme</i>) (in Capital Letters, please)	One Week short term training program on: "FOUNDATIONS OF COMPUTING AND DATA ANALYSIS".	
3.	The Programme is intended for (Tick one only)	<input checked="" type="checkbox"/> Teachers <input type="checkbox"/> Working Professionals (Others (specify))	
4.	Name, Designation and Address of the Course Coordinator(s) (One Coordinator preferred. More than two not permissible)	1. Archana Ingle HOD (EXTC Engg.) Virar (E.)	2. Bhushan Save HOD (Electrical Engg.) Virar (E.)
-	Telephone, Mobile & Email of the Coordinator(s)	9823413170 archanaingle@viva-technology.org	9967838678 bhushansave@viva-technology.org
-	Highest Qualification of Coordinator(s)	Ph.D. (EXTC)	M.E. (EXTC) Ph.D. (Persuing)
-	Area of Specialisation	EXTC Engg.	EXTC Engg.

-	Teaching Experience (years)	22 years	18 years
-	Industry Experience (years)	—	01 year
-	Number of papers published	22	16
-	Number of Short-Term Courses of Summer/Winter Schools attended	23	20
-	Number of Short-Term Courses of Summer/Winter Schools conducted earlier	08	07
5.	Specialisation area for which the proposal is made (tick one only)	<input type="checkbox"/> Civil <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Electronics <input checked="" type="checkbox"/> Computer Science <input type="checkbox"/> Pharmacy <input type="checkbox"/> Architecture <input type="checkbox"/> Management <input type="checkbox"/> Hotel Management	<input type="checkbox"/> Basic Sciences (Specify subject) <input checked="" type="checkbox"/> Interdisciplinary (Specify areas covered) <input type="checkbox"/> Others (specify)
6.	The course is basically (Tick one only)	<input checked="" type="checkbox"/> Subject updating course <input type="checkbox"/> Special course on Emerging areas <input type="checkbox"/> Pedagogy <input type="checkbox"/> Other (Specify)	
7.	Whether the proposal covers any of the categories indicated (Tick one only)	<input type="checkbox"/> Industry-based programmes with substantial involvement of industry and its experts <input type="checkbox"/> Education Technology/Methodology of teaching <input type="checkbox"/> Training for technical supporting staff <input checked="" type="checkbox"/> Emerging Area <input type="checkbox"/> Others (specify)	
8.	Duration of the programme (Tick one only)	<input checked="" type="checkbox"/> One week (minimum 5 working days) <input type="checkbox"/> Two weeks (minimum 10 working days) <input type="checkbox"/> Three weeks (minimum 15 working days) <input type="checkbox"/> Four weeks (minimum 20 working days)	

9.	Proposed dates for the Programme (specify dates) which may be changed later, if required	From <u>6th May 2024</u> To <u>13th May 2024</u> Note : It is advisable to commence programme on MONDAY
10	Do you have enough expertise within your institute and neighbouring places to offer the course satisfactorily? If NO, list the names and addresses of outside faculty needed. At least one faculty from IITs or NIITs	<input checked="" type="checkbox"/> Yes (No Name of faculty from IITs/NIITs Faculty from other institutes 1. 1. 2. 2. 3. 3. 4. 4.

COURSE DETAILS

1.	Significance & Objectives of the programme (list one or two major objectives)	1. Providing foundational concepts of data analysis, networking fundamentals, Cybersecurity, database management. 2. Empowering participants to integrate computational techniques into their teaching & research.																		
2.	Course Content/Coverage (List 5 to 8 major topics with proposed duration of coverage in hours for each topic)	<table border="1"> <thead> <tr> <th>Topic</th> <th>Duration</th> </tr> </thead> <tbody> <tr> <td>1. Basics of software Engg.</td> <td>05</td> </tr> <tr> <td>2. Cybercrime & IT act 2000</td> <td>05</td> </tr> <tr> <td>3. Steganography & Wi-fi security</td> <td>05</td> </tr> <tr> <td>4. Data Analysis & Visualization in Power BI</td> <td>05</td> </tr> <tr> <td>5. Computer Network fundamentals</td> <td>05</td> </tr> <tr> <td>6. Database Fundamentals</td> <td>02</td> </tr> <tr> <td>7. IOT & Emerging Technologies</td> <td>03</td> </tr> <tr> <td>8.</td> <td></td> </tr> </tbody> </table>	Topic	Duration	1. Basics of software Engg.	05	2. Cybercrime & IT act 2000	05	3. Steganography & Wi-fi security	05	4. Data Analysis & Visualization in Power BI	05	5. Computer Network fundamentals	05	6. Database Fundamentals	02	7. IOT & Emerging Technologies	03	8.	
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2. Cybercrime & IT act 2000	05																			
3. Steganography & Wi-fi security	05																			
4. Data Analysis & Visualization in Power BI	05																			
5. Computer Network fundamentals	05																			
6. Database Fundamentals	02																			
7. IOT & Emerging Technologies	03																			
8.																				
3.	Course Schedule	Total working days = 06 Lecture = 09 hrs. Laboratory/Practical = 21 hrs. Industrial/Field Visits = hrs. Others (specify) = hrs. Total hours engaged = 30 hrs.																		
4.	Details of special equipment or laboratory facilities available for the course	MIC, Projector, 40 Computers.																		
5.	Collaboration with industry/ other institutions/ departments (indicate name of organization)	4. NIL																		

6. Details of Course Faculty (<i>List details of faculty</i>)				
Sl. No.	Name & Designation	Institute	Highest Qualification	Field of Interest/specialisation
1.	Dr. Brijesh Jashi, Associate Professor, VIT	VIVA Inst. of Tech.	Ph.D.	Big data, Software Engg.
2.	Esha Prakash Data Science Expert	Testrigga LLPLAB	B.E.	Data Science.
3.	Dr. Harshali Patil Associate Professor.	Somaiya Univ.	Ph.D.	Cyber Security & Cryptography.
4.	Soniya Dubey, Assi. Prof.	VIVA Inst. of Tech.	MCA, MBA(IT) Ph.D. (Persuing)	Networking.
5.	Nirav Patel, Prng. Manager	RAW Engg.	M.E.	IOT, DBMS.
7.	Audio visual facilities available (Tick relevant ones)	<input checked="" type="checkbox"/> Over Head Projector <input type="checkbox"/> Slide Projector <input type="checkbox"/> 16/35 mm film Projector <input checked="" type="checkbox"/> Video System <input type="checkbox"/> Others (specify)		
8.	ISTE Institutional Membership No. of your Institute	LM 2223		
9.	Does your institution have an ISTE Chapter (a) If no, will it make minimum 25 members of ISTE	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		

I certify that the details given above are correct to the best of my knowledge and belief and I will organize the programme satisfactorily if approved. I also promise that I will abide by the terms and conditions contained in the ISTE Proceedings and submit the Final Report with Processing and operational expense to ISTE within 15 days after completion of the Programme. The DD of the proposal fee in favour of ISTE payable at Delhi is enclosed herewith.

Place : Virar

Date : 22.4.2024

Signature of
Coordinator
with Name

Archana Jogle

I agree to provide all necessary assistance and facilities of the institute for the conduct of the above programme.

Place : Virar

Date : 22.4.2024

Signature of
Principal/Director
with Name

Dr. Arun Kumar



A/C Payee

For Value upto Rs. 1 Lac

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Handwritten: Details:
NIIDYA A. VARTAK

Sign Code.....155.....

Name.....*Handwritten: Shoukhat*.....

VASANT H. CHAUDHARI

Sign Code.....114.....
Please sign above / कृपया यहाँ हस्ताक्षर करें

⑈795049⑈ 400240015⑈ 906499⑈ 30



Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Shirgaon, Virar (East), Tal: Vasai, Dist: Palghar-401305, Maharashtra.
Website: www.viva-technology.org

NAAC "B++" Grade

Department of Electronics and Telecommunication Engineering

**Report on University of Mumbai and ISTE Approved One Week Short Term Training
Program on**

"Foundations of Computing and Data Analysis"

Organized by

**Department of Electronics and Telecommunication Engineering and Department of
Electrical Engineering**

The objective of this one-week short term training program is to equip participants with essential knowledge and skills in computer science domains vital for their professional growth and academic enrichment. Through a comprehensive curriculum, participants will delve into foundational concepts of data analysis, networking fundamentals, cybersecurity, database management, and emerging technologies such as the Internet of Things (IoT). By fostering a supportive learning environment and providing hands-on experience, this program endeavors to cultivate a diverse community of educators equipped to navigate the evolving landscape of interdisciplinary engineering.

The program aims to bridge the gap between traditional engineering disciplines and modern computing paradigms, empowering participants to integrate computational techniques into their teaching, research, and industry collaborations effectively. Participants will emerge with a solid understanding of fundamental computer science principles and their applications.

Topics Covered in STTP on "Foundations of Computing and Data Analysis"

- Basics of Software Engineering
- Cybercrime and IT Act-2000
- Steganography & Wi-Fi security
- Data Analysis and Visualisation in Power Bi
- Computer Network Fundamentals
- Database Fundamentals
- Internet of Things (IoT) and Emerging Technologies

At the end of STTP participants are able to

- Knowledge of Software development life cycle and software design principles.
- In depth understanding of threats, vulnerabilities and common attacks.
- Learning tools and techniques applied to different network communication.



Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology
Shirgaon, Virar (East), Tal: Vasai, Dist: Palghar-401305, Maharashtra.
Website: www.viva-technology.org

NAAC "B++" Grade

Department of Electronics and Telecommunication Engineering

The University of Mumbai introduced revised curriculum which includes, programing and software simulation in different subjects. As new developments are introducing in industry day by day demanding expertise in the field of software coding and programing language, it was felt necessary that the teaching faculty also become competent in the said technology. With keeping this as an intension the University of Mumbai and ISTE approved STTP was conducted from 6th May to 13th May, 2024 in Electronics and Telecommunication Engineering Department, VIVA Institute of Technology.

Details of the speakers is as under

SN.	Name of the Guest Speaker	Details of the Speaker	Topics Addressed	Date
1	Dr. Brijesh Joshi	Associate Professor, VIVA Institute of Technology	Basics of Software Computing	06/05/2024
2	Ms. Isha Prakash	Data Science Domain Expert, TESTRIQ QA LLP LAB,Mira Road	Data Analysis and Visualtisation In Power Bi	07/05/2024
3	Dr. Harshali Patil	Associate Professor, Somaiya Vidyavihar University, Mumbai	Cyber Security	08/05/2024
4	Mrs. Sonia Dubey	Assistant Professor, VIVA Institute of Technology	Computer Network Fundamentals	09/05/2024
5	Mr. Nirav Patel	Tarining & Development manager, Contentstack, RAW Engineering	IoT Emerging Technology and database Fundamentals	10/05/2024
6	Mrs. Kshitija Katare	General manager EDBA Academy	Industrial VISIT to EDBA Academy	13/05/2024

Participants were the teaching faculty of Engineering College. Total of 16 faculty members participated in the One Week Short Term Training Program conducted.

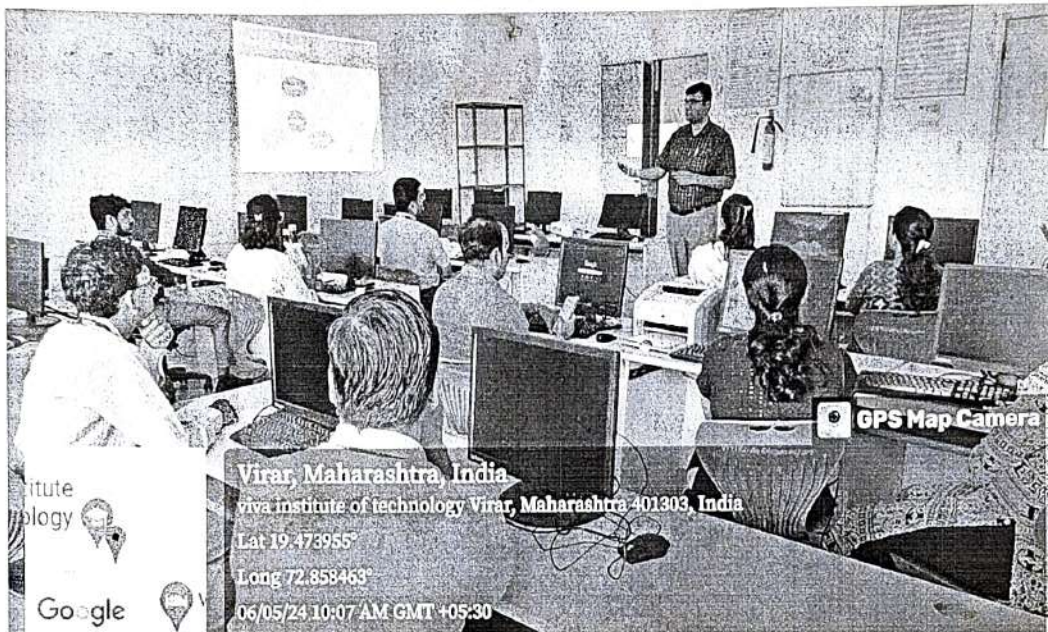
On the last day of STTP institute had received the feedbacks from the participants that they have learned and enhanced their knowledge in this STTP and they would always want to attend this kind of STTP in this institute once again. The overall feedback of the Training Program was encouraging and was highly rated by the participants.



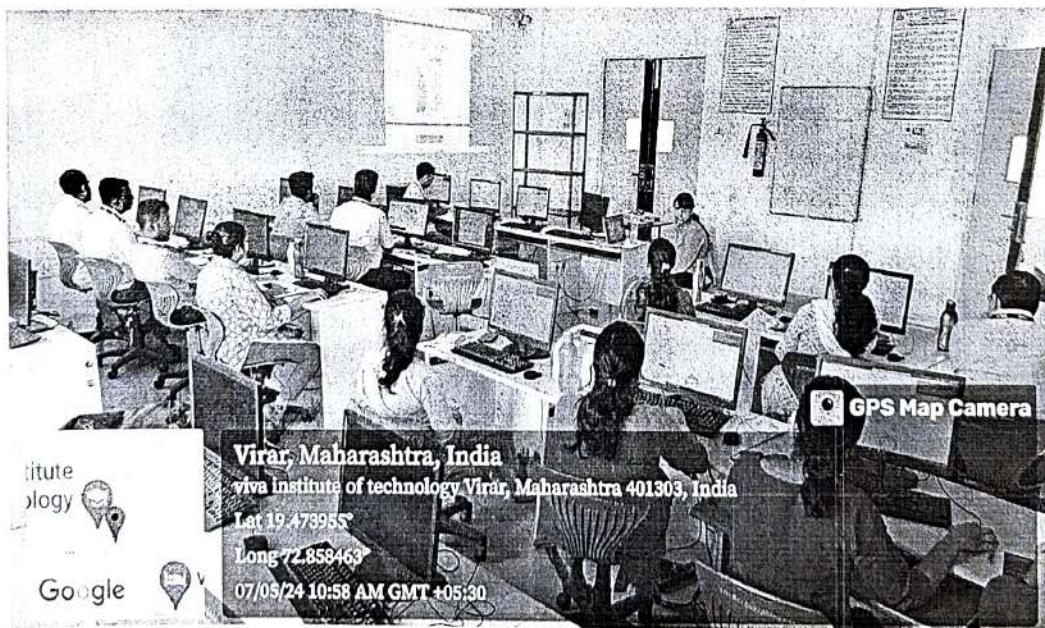
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Shirgaon, Virar (East), Tal: Vasai, Dist: Palghar-401305, Maharashtra.
Website: www.viva-technology.org

NAAC "B++" Grade

Department of Electronics and Telecommunication Engineering



Day1: Basics of Software Computing - Dr. Brijesh Joshi



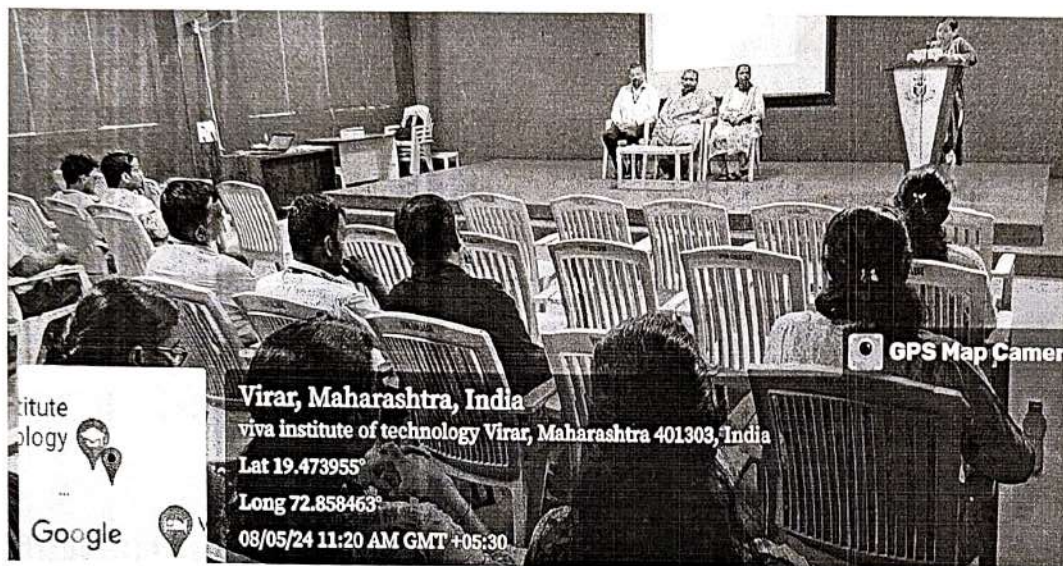
Day 2: Data Analysis and Visualisation In Power Bi - Ms. Esha Prakash



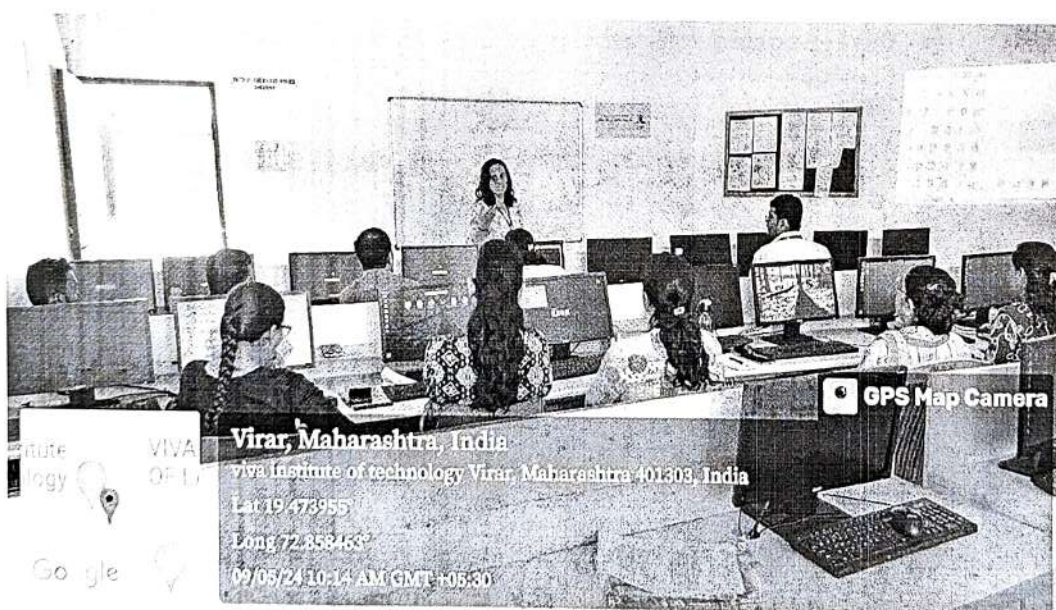
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Shirgaon, Virar (East), Tal: Vasai, Dist: Palghar-401305, Maharashtra.
Website: www.viva-technology.org

NAAC "B++" Grade

Department of Electronics and Telecommunication Engineering



Day 3: Cyber Security- Dr. Harshali Patil



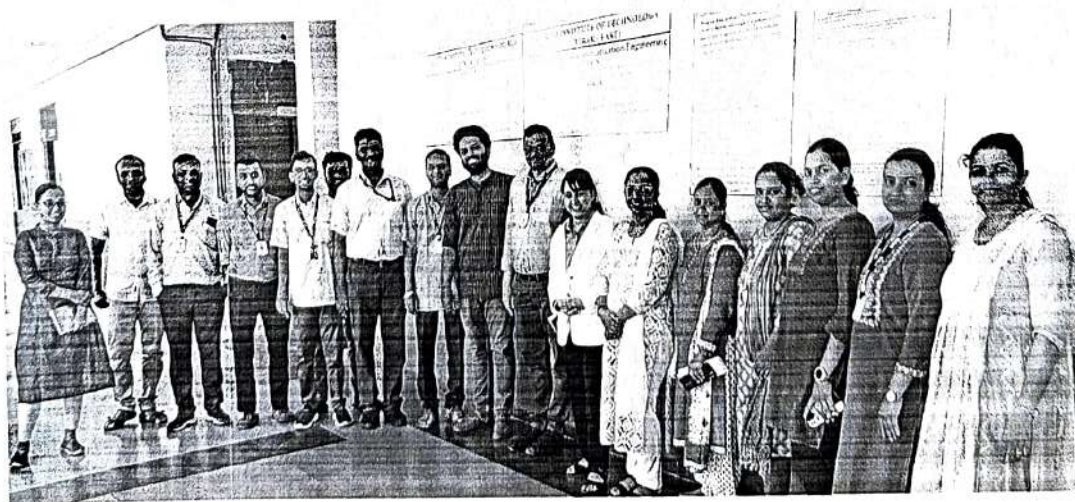
Day 4: Computer Network Fundamentals- Mrs. Sonia Dubey



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Website: www.viva-technology.org

NAAC "B++" Grade

Department of Electronics and Telecommunication Engineering



Sr. No.	Branch	Name of Participant	Contact Number	Email ID	ISTE Membership Number	Quiz Marks (20)
1	EXTC	Dr. Archana Ingle	9823413170	archanaingle@viva-technology.org	LM 76833	20
2	ELECT	Dr Deepak Sajnekar	9833923501	deepaksajnekar@viva-technology.org	LM 47946	19
3	ELECT	Bhushan Save	9967838678	bhushansave@viva-technology.org	LM 76830	11
4	EXTC	Meena Perla	9028989009	meenavallakati@viva-technology.org	LM 91150	20
5	EXTC	Pratik Parsewar	8097909768	pratikparsewar@viva-technology.org	LM 76837	15
6	EXTC	Kushal Suvarna	9028234696	kushalsuvarna@viva-technology.org	LM 91545	13
7	EXTC	Ashwini Haryan	9821611367	ashwinikothavale@viva-technology.org	LM 91549	12
8	EXTC	Nutan Malekar	9867511847	nutanmalekar@viva-technology.org	LM 91553	16
9	EXTC	Bharat Warude	9987001925	bharatwarude@viva-technology.org	LM 138799	16
10	EXTC	Sonali Gaikwad	9764216544	sonaligaikwad@viva-technology.org	LM 138797	11
11	ELECT	Amitkumar Vishwakarma	9136551520	amitvishwakarma@viva-technology.org	LM 139633	12
12	ELECT	Rahul Abhyankar	9096468427	rahulabhyankar@viva-technology.org	LM 123970	13
13	ELECT	Sapna Gahlot	9639004994	sapnagahlot@viva-technology.org	LM 139631	18
14	ELECT	Tejas Sankpal	9168490304	tejassankpal@viva-technology.org	LM 137498	11
15	ELECT	Reema Gupta	8793904427	reemagupta@viva-technology.org	LM 139641	12
16	ELECT	Sangita Kamble	9011587735	sangitavishwakarma@viva-technology.org	LM 135357	14



Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

Shirgaon, Virar (East), Tal: Vasai, Dist: Palghar-401305, Maharashtra.

Website: www.viva-technology.org

**Department of Electronics and Telecommunication Engineering and
Department of Electrical Engineering**

**University of Mumbai and ISTE approved One Week Short Term Training Program
on**

"Foundations of Computing and Data Analysis "

(6th May to 13th May 2024)

Day 1 Topic: Basics of Software Computing

Resource Person: Dr. Brijesh Joshi, Associate Professor

Date: 06/05/2024

S.N.	Name of participant	Sign
1	Dr. Archana Ingle	
2	Meena N. Perla	
3	Sonali P. Gaikwad	
4	Deepak Bajnorkar	
5	Amitkumar Vishwakarma.	
6	Nutan Malekar	
7	KUSHAL SUVARNA	
8	Bharat V Harude	
9	Tejas R. Sankpal	
10	Rahul Abhyankar	
11	Sapna Gahlot	
12	Sangita R. Kamble	
13	Pratik Parsewar	
14	Ashwini Hanyani	
15		
16		
17		
18		

Signature of the Resource Person

6/5/2024



Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

Shirgaon, Virar (East), Tal: Vasai, Dist: Palghar-401305, Maharashtra.

Website: www.viva-technology.org

**Department of Electronics and Telecommunication Engineering and
Department of Electrical Engineering**

**University of Mumbai and ISTE approved One Week Short Term Training Program
on**

"Foundations of Computing and Data Analysis"

(6th May to 13th May 2024)

Day 2 Topic: Data Analysis and Visualization in Power Bi

Resource Person: Ms. Esha Prakash, Data Science domain expert

TESTRIQ QA LLP LAB, Miraroad

Date: 7th May 2024

S.N.	Name of participant	Sign
1	Bhusham Saure	Bhusham
2	Dr. Archana Jogle	Dr. Archana
3	Meena Perla	Meena
4	Sonali Gaikwad	Sonali
5	Sapna Gahlot	Sapna
6	Sangita R. Kambh	Sangita
7	Reema Gupta	Reema
8	Ashwini Haryan	Ashwini
9	KUSHAL SUVARNA	Kushal
10	Bharat Warude	Bharat
11	Batim Parwani	Batim
12	Deepak Sejnekar	Deepak
13	Amittomas Vishwakarma	Amittomas
14	Nutan Malekar	Nutan
15	Tejas Sankpal	Tejas
16	Rahul Abhyankar	Rahul
17		
18		

Signature of the Resource Person



Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

Shirgaon, Virar (East), Tal: Vasai, Dist: Palghar-401305, Maharashtra.

Website: www.viva-technology.org

**Department of Electronics and Telecommunication Engineering and
Department of Electrical Engineering**

University of Mumbai and ISTE approved One Week Short Term Training Program

on

"Foundations of Computing and Data Analysis"

(6th May to 13th May 2024)

Day 3 Topic: Cyber security

Resource Person: Dr. Harshali Patil, Associate Professor, Somaiya Vidyavihar University,
Mumbai

Date: 8th May 2024

S.N.	Name of participant	Sign
1	Dr. Archana Ingole	
2	Meena Perla	
3	Sonali Gaikwad	
4	Bhushan Sane	
5	Bharat Wamde	
6	KUSHAL SUVARMA	
7	Pratik Parseway	
8	Nutan Malekar	
9	Saunika R. Kamble	
10	Sapna Gahlot	
11	Reema Gupta	
12	Dr. Deepak Sajnerkar	
13	Amir Kumar Vishwakarma	
14	Tejas Sankpal	
15	Rahul Abhyankar	
16	Ashwini Hanjurm	
17		
18		

Signature of the Resource Person



Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

Shirgaon, Virar (East), Tal: Vasai, Dist: Palghar-401305, Maharashtra.

Website: www.viva-technology.org

**Department of Electronics and Telecommunication Engineering and
Department of Electrical Engineering**

**University of Mumbai and ISTE approved One Week Short Term Training Program
on**

"Foundations of Computing and Data Analysis"

(6th May to 13th May 2024)

Day 4 Topic: Computer Network Fundamentals

Resource Person: Mrs. Sonia Dubey, Assistant Professor

Date: 9th May 2024

S.N.	Name of participant	Sign
1	Meena Perla	
2	Sonalik Gaikwad	
3	Dr. Archana Ingle	
4	Sapna Gahlot	
5	Sanjita Kamble	
6	Tejas Sankpal	
7	Bhushan Sane	
8	Amit Kumar Vishwakarma	
9	Dr. Deepak Sajjwan	
10	Rahul Abhyankar	
11	Nutan Malekar	
12	Pratik Parnekar	
13	Bharat V Wande	
14	KUSHAL SUVARNA	
15	Reema Gupta	
16	Ashwini Hanger	
17		
18		

Signature of the Resource Person

9/5/24



Vishnu Waman Thakur Charitable Trust's

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Shirgaon, Virar (East), Tal: Vasai, Dist: Palghar-401305, Maharashtra.

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**Department of Electronics and Telecommunication Engineering and
Department of Electrical Engineering**

**University of Mumbai and ISTE approved One Week Short Term Training Program
on**

**"Foundations of Computing and Data Analysis"
(6th May to 13th May 2024)**

Day 5 Topic: IoT Emerging technology and Database fundamental

**Resource Person: Mr. Nirav Patel, Training and Development Manager, Contentstack,
Raw Engineering**

Date: 10th May 2024

S.N.	Name of participant	Sign
1	Meena Perla	
2	Bhushan Sane	
3	Sonali Gaiswad	
4	Nutan Malekar	
5	Dr. Deepak Sajjanar	
6	Amikomas Vishwakarma	
7	KUSHAL SUVARNA	
8	Bharat Wande	
9	Pratik Patil	
10	Ashwini Haryan	
11	Sapna Gahlot	
12	Sanjita Kumbh	
13		
14		
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17		
18		

Signature of the Resource Person



Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

Approved by AICTE, New Delhi, DTE, Government of Maharashtra
and Affiliated to University of Mumbai

Shri. Hitendra V. Thakur
President

Ms. Aparna P. Thakur
Secretary

Dr. Arun Kumar
Principal

Ref. No. : VIVA / VIT / 5732 / 2023-24

Date : 6.5.24

To,
Dr. Brijesh Joshi,
Associate Professor,
M.C.A. Department,
VIVA Institute of Technology,
Virar (East) Tal-Vasai,
Dist- Palghar-401 305.

Subject: Letter of Appreciation

Dear Sir,

We are really grateful to you for your valuable time and effort for Delivering session on **"Basics of Software Engineering"** for one week STTP on **Foundations of Computing and Data Analysis** approved by the University of Mumbai and ISTE which is organized by EXTC and Electrical Engineering Department at VIVA Institute of Technology on 6th May 2024.

Your session was very informative, knowledgeable and motivating.


Hope for similar support in future too.

Thanking you.


6.5.24



Yours faithfully,


Principal
Dr. Arun Kumar



Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology

Approved by AICTE, New Delhi, DTE, Government of Maharashtra
and Affiliated to University of Mumbai

Shri. Hitendra V. Thakur
President

Ms. Aparna P. Thakur
Secretary

Dr. Arun Kumar
Principal

Ref. No. : VIVA / VIT / 5733 / 2023-24

Date : 07-05-24

To,
Ms. Esha Prakash,
Data Science domain Expert,
TESTRIQ QA LLP LAB,
Mira Road.

Subject: Letter of Appreciation

Dear Madam,

We are really grateful to you for your valuable time and effort for Delivering session on **"Data Analysis and Visualization in Power BI"** for one week STTP on **Foundations of Computing and Data Analysis** approved by the University of Mumbai and ISTE which is organized by EXTC and Electrical Engineering Department at VIVA Institute of Technology on **7th May 2024**.

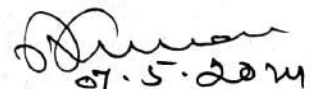
Your session was very informative, knowledgeable and motivating.

Hope for similar support in future too.

Thanking you.



Yours faithfully,


07.5.2024
Principal
Dr. Arun Kumar



Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology

Approved by AICTE, New Delhi, DTE, Government of Maharashtra
and Affiliated to University of Mumbai

Shri. Hitendra V. Thakur
President

Ms. Aparna P. Thakur
Secretary

Dr. Arun Kumar
Principal

Ref. No. : VIVA / VIT / 5737 / 2023 - 24

Date : 08-05-24

To,
Dr. Harshali Patil,
Associate Professor,
Somaiya Vidyavihar University,
Vidyanagar, Vidya Vihar East,
Mumbai, Maharashtra 400077.

Subject: Letter of Appreciation

Dear Madam,

We are really grateful to you for your valuable time and effort for Delivering session on "Cyber Security" for one week STTP on **Foundations of Computing and Data Analysis** approved by the University of Mumbai and ISTE which is organized by EXTC and Electrical Engineering Department at VIVA Institute of Technology on **8th May 2024**.

Your session was very informative, knowledgeable and motivating.

Hope for similar support in future too.

Thanking you.



Yours faithfully,

Principal
Dr. Arun Kumar

Received
(Patil)
08/05/2024



Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

Approved by AICTE, New Delhi, DTE, Government of Maharashtra
and Affiliated to University of Mumbai

Shri. Hitendra V. Thakur
President

Ms. Aparna P. Thakur
Secretary

Dr. Arun Kumar
Principal

Ref. No. : VIVA / VIT / 5741 / 2023-24

Date : 09-05-2024

To,
Prof. Sonia Dubey,
Assistant Professor,
M.C.A. Department,
VIVA Institute of Technology,
Virar (East) Tal-Vasai, Dist- Palghar,
Maharashtra - 401 305.

Subject: Letter of Appreciation

Dear Madam,

We are really grateful to you for your valuable time and effort for Delivering session on "Computer Network Fundamentals" for one week STTP on Foundations of Computing and Data Analysis approved by the University of Mumbai and ISTE which is organized by EXTC and Electrical Engineering Department at VIVA Institute of Technology on 9th May 2024.

Your session was very informative, knowledgeable and motivating.

Hope for similar support in future too.

Thanking you.

Yours faithfully,

Received
9/5/24



Principal
Dr. Arun Kumar



Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

Approved by AICTE, New Delhi, DTE, Government of Maharashtra
and Affiliated to University of Mumbai

Shri. Hitendra V. Thakur
President

Ms. Aparna P. Thakur
Secretary

Dr. Arun Kumar
Principal

Ref. No. : VIVA / VIT / 5744 / 2023-24

Date : 10.05.2024

To,
Mr. Nirav Patel,
Training & Development Manager,
Contentstack, Raw Engineering,
Virar (West).

Subject: Letter of Appreciation

Dear Sir,

We are really grateful to you for your valuable time and effort for Delivering session on **"IoT Emerging Technology and Database Fundamental"** for one week STTP on **Foundations of Computing and Data Analysis** approved by the University of Mumbai and ISTE which is organized by EXTC and Electrical Engineering Department at VIVA Institute of Technology on **10th May 2024**.

Your session was very informative, knowledgeable and motivating.

Hope for similar support in future too.

Thanking you.

Yours faithfully,

Principal
Dr. Arun Kumar



Received

INDIAN SOCIETY FOR TECHNICAL EDUCATION



FOUNDED 1968

SHORT-TERM TRAINING PROGRAMMES (STTPS)

(ON SELF-FINANCING BASIS)

PROFORMA FOR SENDING PROPOSALS

(For Chapters of Indian Society for Technical Education)

Note : Before filling up the Proforma, please read carefully the rules and conditions
(To be filled in by Coordinator)

1.	Name and Address of Host Institution with Pin code	Address: Vishnu Waman Thakur Charitable Trust's, VIVA Institute of Technology, Shirgaon, Varan (E) Pin Code : 401305 Phone: 777 000 2544 Fax : 022-39167294 Email: principalvit@vivacollege.org	
2.	Title of the Programme (<i>This should convey the content & main thrust of the programme</i>) (in Capital Letters, please)	Sustainability Training In Green Building	
3.	The Programme is intended for (Tick one only)	<input checked="" type="checkbox"/> Teachers <input type="checkbox"/> Working Professionals (Others (specify)	
4.	Name, Designation and Address of the Course Coordinator(s) (One Coordinator preferred. More than two not permissible)	1. Mr. Akshay Mistry Assistant Professor, VIVA, Dept. of Civil Engrg.	2. Mrs. Asmita Mhatre Assistant Professor, VIVA, Dept. of Civil Engrg.
-	Telephone, Mobile & Email of the Coordinator(s)	9892767043 akshaymistry@viva-technology.org	8551068598 asmitabhatke@viva-technology.org
-	Highest Qualification of Coordinator(s)	Ph.D (Pursuing)	M.E.
-	Area of Specialisation	Structures	Water Resources Engineering

-	Teaching Experience (years)	13 Yrs	10 Yrs
-	Industry Experience (years)	1 Yr.	-
-	Number of papers published	08	04
-	Number of Short-Term Courses of Summer/Winter Schools attended	10	09
-	Number of Short-Term Courses of Summer/Winter Schools conducted earlier	01	01
5.	Specialisation area for which the proposal is made (tick one only)	<input checked="" type="checkbox"/> Civil <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Electronics <input type="checkbox"/> Computer Science <input type="checkbox"/> Pharmacy <input type="checkbox"/> Architecture <input type="checkbox"/> Management <input type="checkbox"/> Hotel Management	<input type="checkbox"/> Basic Sciences (Specify subject) <input type="checkbox"/> Interdisciplinary (Specify areas covered) <input type="checkbox"/> Others (specify)
6.	The course is basically (Tick one only)	<input type="checkbox"/> Subject updating course <input checked="" type="checkbox"/> Special course on Emerging areas <input type="checkbox"/> Pedagogy <input type="checkbox"/> Other (Specify)	
7.	Whether the proposal covers any of the categories indicated (Tick one only)	<input type="checkbox"/> Industry-based programmes with substantial involvement of industry and its experts <input type="checkbox"/> Education Technology/Methodology of teaching <input type="checkbox"/> Training for technical supporting staff <input checked="" type="checkbox"/> Emerging Area <input type="checkbox"/> Others (specify)	
8.	Duration of the programme (Tick one only)	<input checked="" type="checkbox"/> One week (minimum 5 working days) <input type="checkbox"/> Two weeks (minimum 10 working days) <input type="checkbox"/> Three weeks (minimum 15 working days) <input type="checkbox"/> Four weeks (minimum 20 working days)	

9.	Proposed dates for the Programme (specify dates) which may be changed later, if required	From <u>24/06/2024</u> To <u>28/06/2024</u> Note : It is advisable to commence programme on MONDAY
10	Do you have enough expertise within your institute and neighbouring places to offer the course satisfactorily? If NO, list the names and addresses of outside faculty needed. At least one faculty from IITs or NIITs	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Name of faculty from IITs/NIITs Faculty from other institutes 1. Mr. Abdul M. Chaudhary 2. Farhan Rathod 3. Preeti Reddy 4. Garqi Priyamwada

COURSE DETAILS

1.	Significance & Objectives of the programme (list one or two major objectives)	1. To understand the application of EDGE (Enhanced Data Rates) software 2. To understand emerging trends in green building.																		
2.	Course Content/Coverage (List 5 to 8 major topics with proposed duration of coverage in hours for each topic)	<table border="1"> <thead> <tr> <th>Topic</th> <th>Duration</th> </tr> </thead> <tbody> <tr><td>1. EDGE simulation theory</td><td></td></tr> <tr><td>2. EDGE Resources</td><td></td></tr> <tr><td>3. EDGE model creation</td><td></td></tr> <tr><td>4. Energy simulation theory</td><td></td></tr> <tr><td>5. Simulation model creation</td><td></td></tr> <tr><td>6. Simulation input parameters</td><td></td></tr> <tr><td>7. Brief on Building Physics</td><td></td></tr> <tr><td>8. Site visit on green certified projects</td><td></td></tr> </tbody> </table>	Topic	Duration	1. EDGE simulation theory		2. EDGE Resources		3. EDGE model creation		4. Energy simulation theory		5. Simulation model creation		6. Simulation input parameters		7. Brief on Building Physics		8. Site visit on green certified projects	
Topic	Duration																			
1. EDGE simulation theory																				
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4. Energy simulation theory																				
5. Simulation model creation																				
6. Simulation input parameters																				
7. Brief on Building Physics																				
8. Site visit on green certified projects																				
3.	Course Schedule	Total working days = 05 Lecture = 20 hrs. Laboratory/Practical = 04 hrs. Industrial/Field Visits = 06 hrs. Others (specify) = 02 hrs. Total hours engaged = 32 hrs.																		
4.	Details of special equipment or laboratory facilities available for the course	1. LED Projector 2. Project Lab.																		
5.	Collaboration with industry/ other institutions/ departments (indicate name of organization, nature of collaboration and experts involved)	1. Nil 2. Nil																		

6.	Details of Course Faculty (<i>List details of faculty</i>)			
Sl. No.	Name & Designation	Institute	Highest Qualification	Field of Interest/specialisation
1.	Mr. Abdul M. Chaudhary	M.D. Essential India	M. Tech	Building Energy Performance
2.	Mr. Farhan Rathod	M.D. Essential India	B.E. Civil	EDGE Auditor
3.	Gargi Priyamwada	B System manager	Master of Architecture	Green Building certification
4.	Poochi Reddy	Consultant	M. Tech	Green Building simulation
7.	Audio visual facilities available (<i>Tick relevant ones</i>)		<input checked="" type="checkbox"/> Over Head Projector <input type="checkbox"/> Slide Projector <input type="checkbox"/> 16/35 mm film Projector <input checked="" type="checkbox"/> Video System <input type="checkbox"/> Others (specify)	
8.	ISTE Institutional Membership No. of your Institute			
9.	Does your institution have an ISTE Chapter		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
	(a) If no, will it make minimum 25 members of ISTE		<input type="checkbox"/> Yes <input type="checkbox"/> No	

I certify that the details given above are correct to the best of my knowledge and belief and I will organize the programme satisfactorily if approved. I also promise that I will abide by the terms and conditions contained in the ISTE Proceedings and submit the Final Report with Processing and operational expense to ISTE within 15 days after completion of the Programme. The DD of the proposal fee in favour of ISTE payable at Delhi is enclosed herewith.

Place : VIVA Institute, Virar

Date : 06/05/24

Signature of
Coordinator
with Name


Ashay Mistry.

I agree to provide all necessary assistance and facilities of the institute for the conduct of the above programme.

Place : VIVA Institute, Virar

Date : 06/05/24

Signature of
Principal/Director
with Name


Dr. Anur Kumari



Vishnu Waman Thakur Charitable Trust's
VIVA INSTITUTE OF TECHNOLOGY
Shirgaon, Post: Virar (w), Tal: Vasai, Dist. Palghar - 401 305.

Date : 06/05/2024

To,
Principal,
VIVA institute of technology,
Virar East.

Subject: Budget approval One Week Short Term Training program 24th to 28th June 2024

R/Sir,

As per the above mentioned subject **Civil Engineering Department** is going to organize a **one week short term training program** approved by **ISTE New Delhi**.

Budget estimate is as under:

Sr. No.	Details	Particulars	Amount (Rs.)
1	ISTE Approval (DD + Postal Charges)	1180	1180 ✓
2	Remuneration for the Speaker	5*4000	20,000
3	Flower Bouquet	2*50	200
4	ISTE Fees	118*12	1416
5	Certificate Printing	-	-
Total			22,796

Revenue Generated:

Sr. No.	Details	Particulars	Amount (Rs.)
1	Fees From STTP Participants (Internal)	118*12	1416
2	Fees From STTP Participants (External)	500*4	2000
Total			3,416

Kindly sanction the budget

ASW
06/05/24
Program Coordinator
Asmita Mhatre

A/c Dept
Pl. pay Rs. 1180/-
By NEFT

AS
06/05/2024
HOD Civil Engg
Prof. Akshay Mistry

Note:

Bank details for NEFT of Rs. 1180/-
(One thousand one hundred & eighty 0
is mentioned on backside
this page.



LATE SHRI VISHNU WAMAN THAKUR CHARITABLE TRUST'S

Institute Of Technology

At. Shirgaon, Post Virar, Tal. Vasai, Dist. Palghar, Pin - 401 303.

Name Yoursself A/c

Date : 07/05/2024

Pay Rs. 1180/-

V. No. 46

Received from the Principal, VIVA Institute of Technology the sum of Rs. 1180/- (in words Rupees

One thousand one hundred) on account of ISTE Exp

Narration Eighty rupees only

ISTE approved One week short term

Account Section Note : training Programs Registration Fees

CH. NO-8 102671

Hawade
Prepared by

AI
Authorised by

7.5.24
Principal

Receiver's Signature

simulation, green building, thermal and visual comfort, sustainability and energy audit, and IEQ monitoring. Currently, he is working as an MD at **Essential India Greenedge Analytics Pvt. Ltd.** He has projects from India, the USA, Canada, the UK, Ireland, & and Malaysia related to Green Certification, Simulation, Environment Clearance, and Carbon. In previous organizations, he has worked in these fields (Business Development, Consulting, Technical, and Research).



Professional Experience

Managing Director at Essential India Greenedge Analytics Pvt. Ltd.
(From Nov'19 to Present)

- Business Development in the field of Sustainability
- Training EDGE Expert and Building Simulation training
- Conduct WB LCA study for LEED & carbon benchmarking

Short Term Consultant at The World Bank (From Feb'23 to Present)

- Perform simulation using the EDGE Software
- Energy and carbon emission prediction for Indian cities

Short Term Consultant at IPSOS, UK (From Jul'23 to Present)

- Market Analysis for EDGE Green Building Certification in India

Sr. Engineer at Conserve Consultants Pvt. Ltd. (From Jul'18 to Sep'19)

- Business Development in the green building certification field
- Site Visit and Project meetings for ongoing green building projects
- Manage sustainable operation & maintenance project

Energy Analyst at TerraViridis LLP (From Aug'17 to Jun'18)

- Create building models and perform the simulation (energy, daylighting, and lighting) as per the green building certification
- Prepare narrative and upload documents on the green certification portal
- On-site activities related to Indoor Environmental Quality parameters

Internship & Freelancing Work, (From June'14 to May'17)

- Internship at Omega Construction (Yak Group)
- Internship at CARBSE Research Cell (CEPT University)
- Lighting work as a Freelancer from CEPT University Campus Office

Educational Qualification

Institute	Degree	Duration	CGPA / %
CEPT university, Ahmedabad	MTech. in Building Energy Performance	July'15 – Dec'17	3.0/4.0
University of Mumbai	B.E. Civil	Aug'11 – Jun'15	75%

Lectures & Research Papers

- Delivered lectures and workshops at the University of British Columbia (Canada), CEPT University (Ahmedabad), SRM University (Chennai), Nirma University (Ahmedabad), MH Saboo Siddik College (Mumbai) and Thakur School of Architecture & Planning (Mumbai).
- Research paper on 'Indoor Air Quality & Daylighting Level in slum house' at 17th IBPSA International Simulation Conference, Bruges (Belgium)
- Research paper on Enhancing Visual Comfort & Reducing Energy Consumption in 10th International Conference of FARU, University of Moratuwa, Colombo, Sri Lanka

ABDUL MOEED CHAUDHARY

M.Tech. in Building Energy
Performance | B.E. in Civil |
EDGE Faculty | EDGE
Auditor (Sintali & GBCI) |
LEED GA | EDGE Expert |
WELL AP | IGBC AP |
GRIHA CP |
WELL Home Advisory
Member | ISHRAE TG
Member

Contact Details

[LinkedIn](#) | [E-Mail](#) |
+91-90290 85503

Chaudhary House, Saki Vihar
Road, Sakinaka, Andheri E,
Mumbai, India - 400072

Personal Details

Date of Birth – 2nd May 1992
Marital Status – Married
Religion – Islam

Software & Tools

Design Builder | IES-VE |
eQuest | One Click LCA |
DIALux evo | Revit with
Insight 360 | Rhino with
Grasshopper

Instruments

Velocimeter, Balanometer,
HOBO data logger, CO2
logger, Thermography,
Illuminance meter,
Particulate counter meter

Languages

English (*Professional*)
Hindi & Urdu (*Native*)
Marathi (*Beginner*)

Hobbies

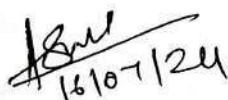
Listing and writing poetry,
Cycling and Foosball Games



CIVIL ENGINEERING DEPARTMENT

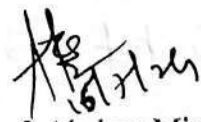
Date	Name of Speakers	Topics	Bank Details
24/06/2024	Session 1: Mr Abdul Chaudhary	EDGE simulation theory	Essential India Greenedge Analytics Pvt. Ltd IDFC First Bank A/C No: 10153242099 IFSC: IDFB0040104
24/06/2024	Session 2: Mr Abdul Chaudhary	Demonstration of Software	
25/06/2024	Session 1: Mr. Abdul Chaudhary	Develop site visit check list to collect data	
25/06/2024	Session 2: Mr. Abdul Chaudhary	Develop site visit check list to collect data	
26/06/2024	Session 1: Mr. Farthan Rathod	EDGE model creation	
26/06/2024	Session 2: Mr. Farthan Rathod	Detailed demonstration of live project	
27/06/2024	Session 1: MS. Gargi Priyamvada.	How to become EDGE expert	
27/06/2024	Session 2: MS. Gargi Priyamvada	Skills required to become EDGE expert	
28/06/2024	Session 1: Ms. Priti Reddy	EDGE software and certification process	
28/06/2024	Session 2: Ms. Priti Reddy	Work and Responsibility of EDGE experts	

Eight Sessions Conducted (8*2000)=16000/-


16/07/24

Prof. Asmita Mhatre

STTP Co-ordinator


16/7/24

Prof. Akshay Mistry

HOD Civil Engineering



Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology

Approved by AICTE, New Delhi, DTE, Government of Maharashtra
and Affiliated to University of Mumbai

Shri. Hitendra V. Thakur
President

Ms. Aparna P. Thakur
Secretary

Dr. Arun Kumar
Principal

Ref. No. : VIVA / VIT / 5946 / 2024-25

Date : 05/08/2024

To,
ISTE, Executive Secretary,
Shaheed Jeet Singh Marg,
Near Katwaria Saria,
New Delhi - 110016

Respected Sir/madam,

We at VIVA Institute of Technology, Civil Engineering Department have successfully completed a Short Term Training Programme on "Sustainability Training In Green Building" from 24th June, 2024 to 28th June 2024(Five Days).

Please find enclosed here with relevant documents as under:

1. Report of STTP
2. List of Resource Persons
3. List of Participants with Membership No.
4. Topics covered and Schedule of the Programme
5. Questionnaire Survey mark sheet
6. Attendance report

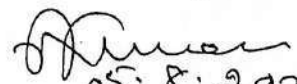
Details of NEFT:

Sr. No.	NEFT No	Amount	Remark
1.	003197690000041	1298/-	Processing and Operational Charges (118*11)=1298/-

Kindly do the needful.

Thanking you,

Yours faithfully,


05.8.2024

Dr. Arun Kumar

Principal

VIVA Institute of Technology





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STTP Report on "Sustainability Training In Green Building."

One-week short term training program on "Sustainability Training In Green Building" under ISTE was organised by the Civil Engineering Department, VIVA Institute of Technology during 24th June 2024 to 28th June 2024. There were 11 participants in the STTP. The participants were from Civil Engineering Discipline.

The STTP was inaugurated on 24th June 2024, Monday at 10.00 am by HOD Civil Engineering, Prof. Aksahy Mistry in the presence of Guest speaker, Mr. Abdul Chaudhary.

Day 1 Session 1: 10.30 am to 12.30 pm

Session 2: 2pm to 4pm

Day 2 Session 3: 10 am to 12pm

Session 4: 2pm to 4pm

Session 1, 2, 3 & 4: Mr Abdul Chaudhary.

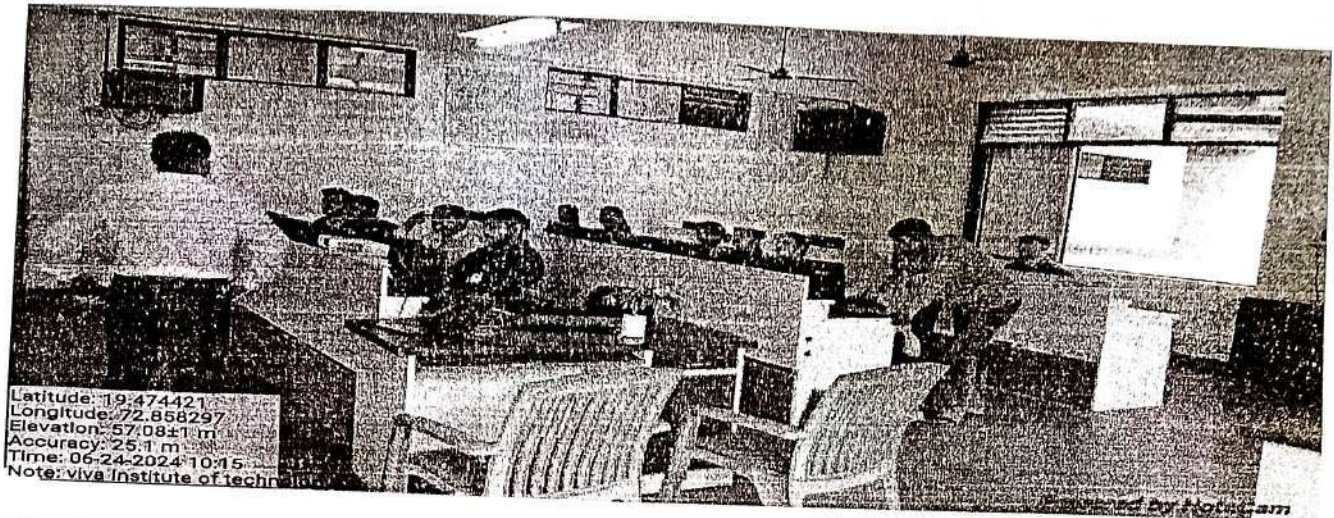
EDEG Simulation Theory and Demonstration of Software

The session was on EDEG Software Demonstration. EDGE stands for Excellence in Design for Greater Efficiencies, and the certification has the goal of reducing the environmental impact of buildings in three areas: direct energy consumption, water consumption, and the energy footprint of construction materials. It's generally used by architects, structural engineers, mechanical, electrical, and plumbing (MEP) engineers, designers, and contractors. In the 1st session, the speaker gave the demo of EDGE software, In 2nd session we have discussion on different types of green building certification and their comparison. Study of EDGE methodology and its resources.

In the second day (25th June), for the Session 3 speaker gave us detailed demonstration of one live project, site visit was conducted and all the participants were told to report site (Capital mall Nallasopara) and collect all the data to feed in EDGE software. Group of two people created for collection of data and they have to create a building model by feeding the collected data.



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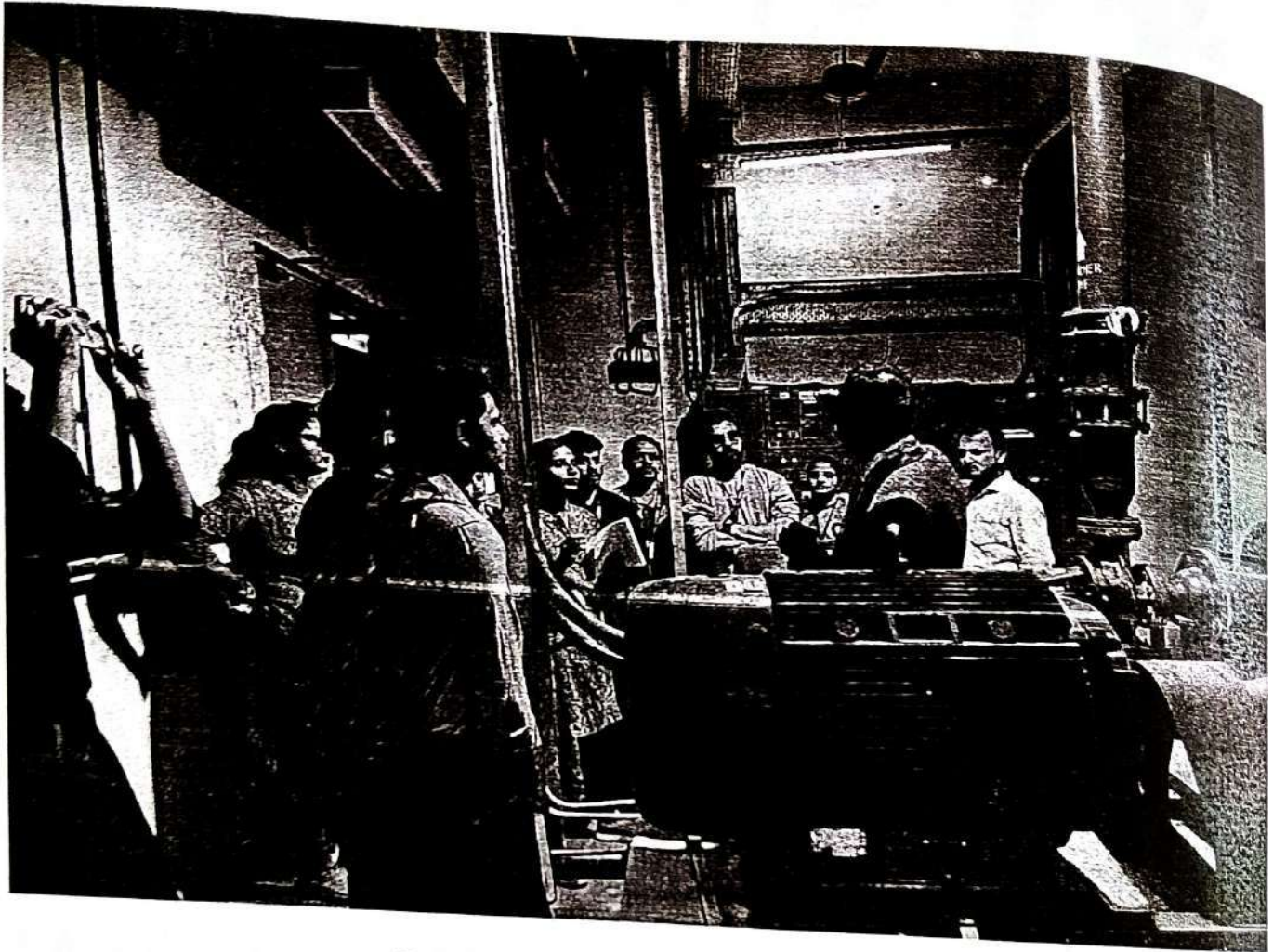


First Day of STTP inauguration by Guest Mr. Abdul Chaudhari and HOD Civil Prof. Akshay Mistry





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Day 2- Faculty site visit to capital mall

Day 3 Session 5:11 am to 1 pm

Session 6: 2pm to 4pm

Session 5&6: Mr. Farthan Rathod.

EDGE Model Creation

The 5th session was on detailed demonstration of live project. on the 3rd day individual assignment were given to each group for creating model by feeding data collected from actual site and analyse the output results like energy, water, and building material savings. Faculties analyse the model and on report for green building certification and generated a report. For generation a report we have brief discussion on how to use different EDGE software tool which source to be use for water analysis, energy analysis. Also in 5th session speaker explain us how to select limits for building material usage.



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Day 4 Session 7:10.30 am to 12.30 pm

Session 8: 2pm to 4pm

Day 5 Session 9: 10 am to 12pm

Session 10: 1pm to 2pm

Session 7,8: Ms. Gargi Priyamvada.

Session 9,10: Ms. Priti Reddy

How to become EDGE expert

The 7th session was on EDGE expert training. In this session the speaker explain us why it is necessary to become EDGE expert he said it Increase your understanding of which energy and water-saving systems and solutions are best for a particular location and climate, and how to measure the collective impact of design decisions in the aggregate. Gain deeper knowledge of the EDGE software and certification process.

- Learn about bioclimatic design.
- Cross-sell your services.
- Win new clients.
- Promote your work.
- Help to accelerate change.

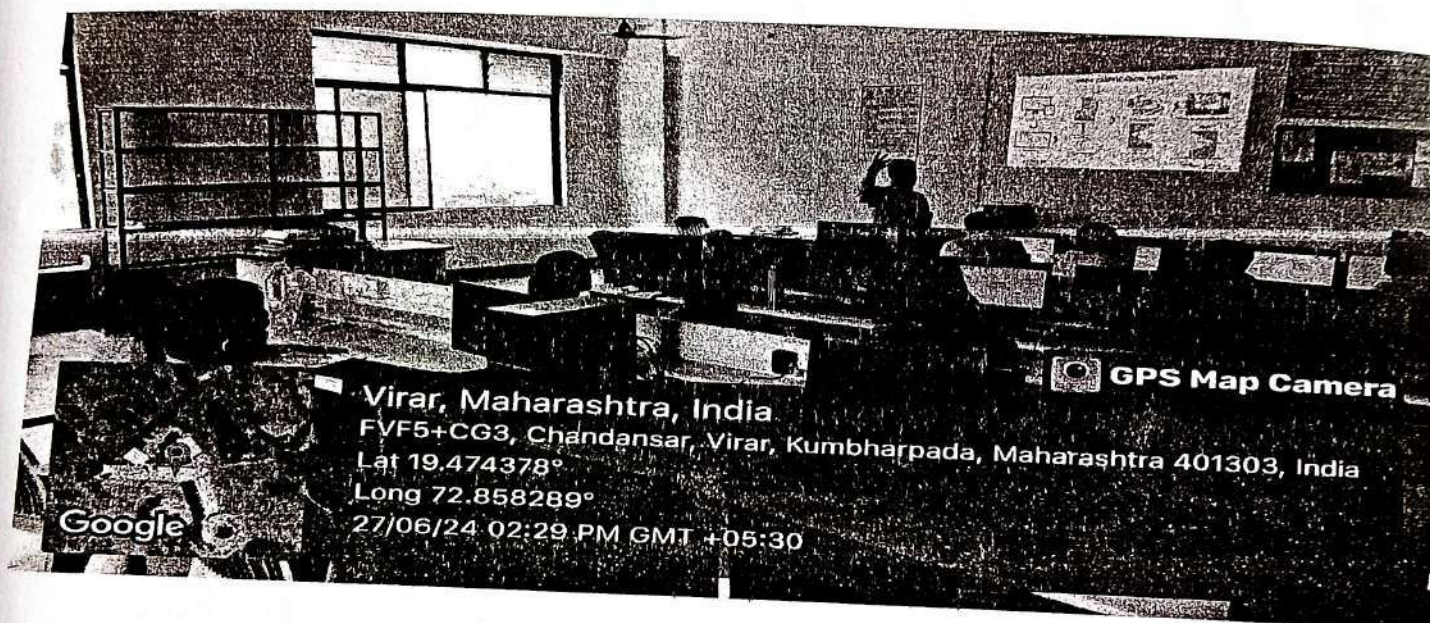
To become an EDGE Expert, you must successfully complete EDGE training and the EDGE Exam. EDGE training is offered by an official provider / Licensed EDGE Faculties either online or in a classroom environment. Once you have completed training, IFC will email an EDGE Exam ID number to you. The EDGE Exam is available in English, Bahasa, Spanish, French, Chinese, Portuguese, and Vietnamese, costs \$100 and can be taken at a Parametric test center or in the comfort of your home or workplace

The 5th day, 9th session we get to know what skills are required to become EDGE expert. During the training, you will learn how to quantify the value of passive and active design elements, how to determine which energy and water-saving systems and solutions are best for a particular location and climate, and how to measure the collective impact of design decisions in the aggregate. In addition to gaining a deeper understanding of the EDGE software, you will also discover the EDGE standard and certification process



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In the 6th session on the third day of STTP, speaker explain regarding different report analysis values, the generated values for water, energy and building material analysis are permissible for green building certification or not. What are expertise suggestion for different certification value. What exact permissible limit required for different certification like LEED certification OR EDGE Certification. Faculties also get detailed review about how this water, energy and building material value changes according to place, climate and orientation of structure.



3rd Day of STTP on EDGE Model Creation



Project Name: Ramya-capital
Subproject Name: Ramya-Capital



EDGE Assessment: v3.0.0

Downloaded date & time: 2024-06-27 02:59

41.54% | 46.49% | 17.00%

Project Details

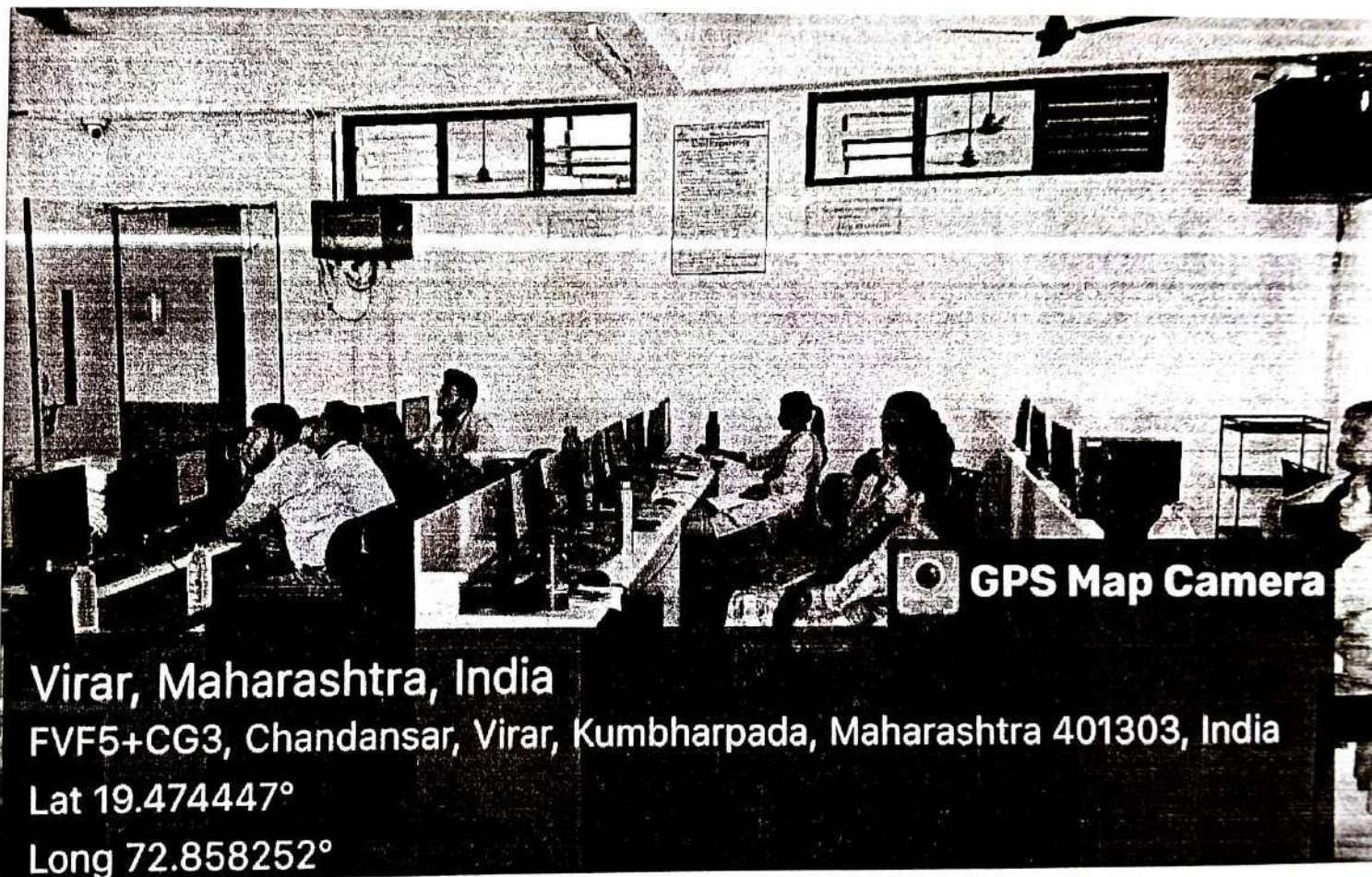
Project Name	Address Line1
Ramya -capital	Nallasopara
Number of Distinct Buildings	Address Line2
1	
Number of EDGE Subproject(s) associated	City
1	Mumbai
Total Project Floor Area (m ²)	State/ Province
38,420	Maharashtra
Project Owner Name	Postal Code
Project Owner Email	Country
	India
Project Owner Phone	Project Number
Mobile -	1001582682
Share project name and basic information to potential investors or banks?	Do you intend to certify?
No	No
Is this Project created for Training Purpose?	
Yes	
Associated Subproject(s)	

Report Generated by faculty



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In the 10th session the speaker explained about what exactly EDGE expert do. EDGE Expert influences a client's decision to design and build green, working closely with or within the design team. By using the EDGE software, an EDGE Expert provides a cost-benefit analysis of green concepts, systems and solutions that best match the client's aspirations. For clients wishing to certify their projects, an EDGE Expert instils confidence that a project meets the EDGE standard.



Virar, Maharashtra, India

FVF5+CG3, Chandansar, Virar, Kumbharpada, Maharashtra 401303, India

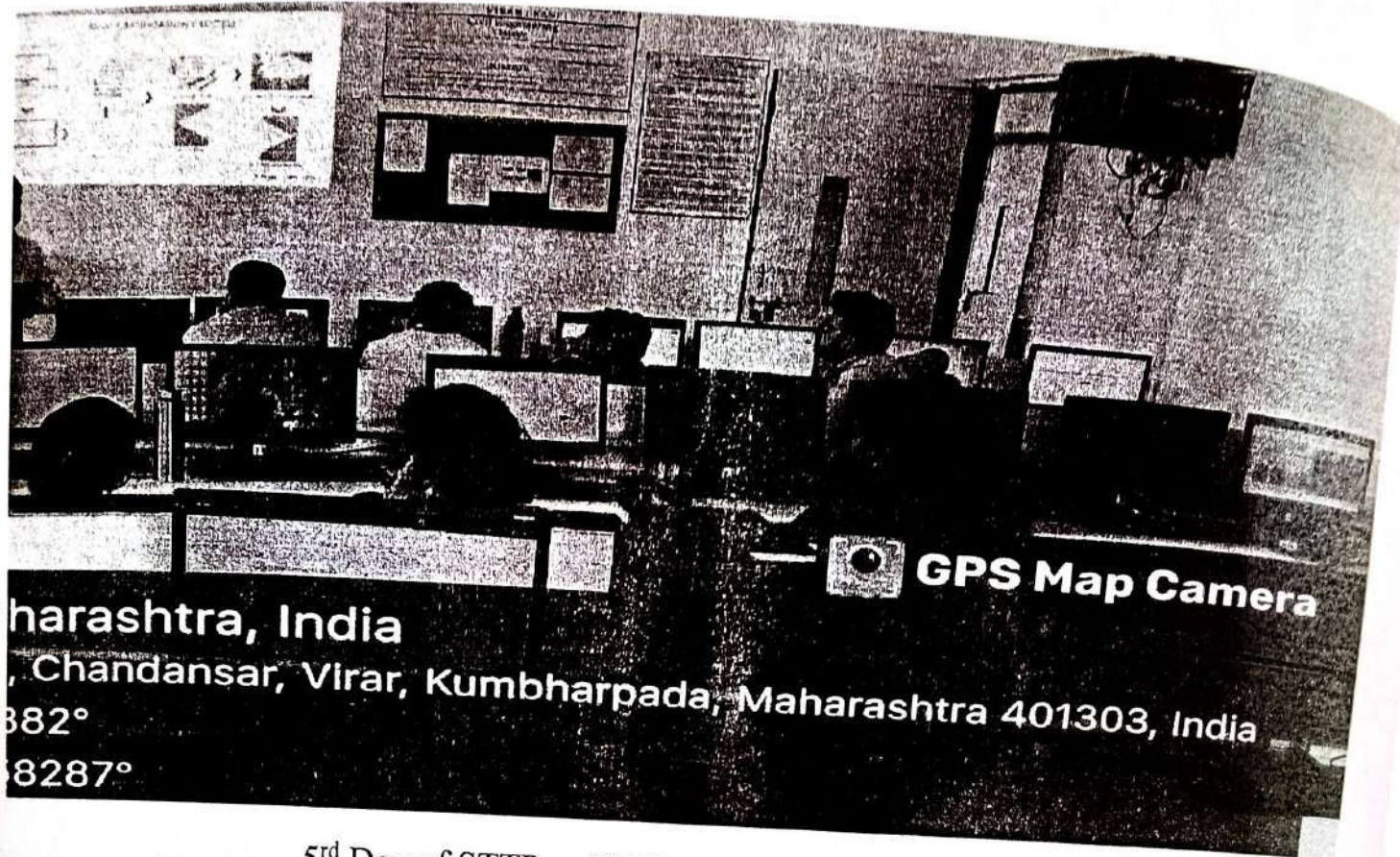
Lat 19.474447°

Long 72.858252°

4rd Day of STTP

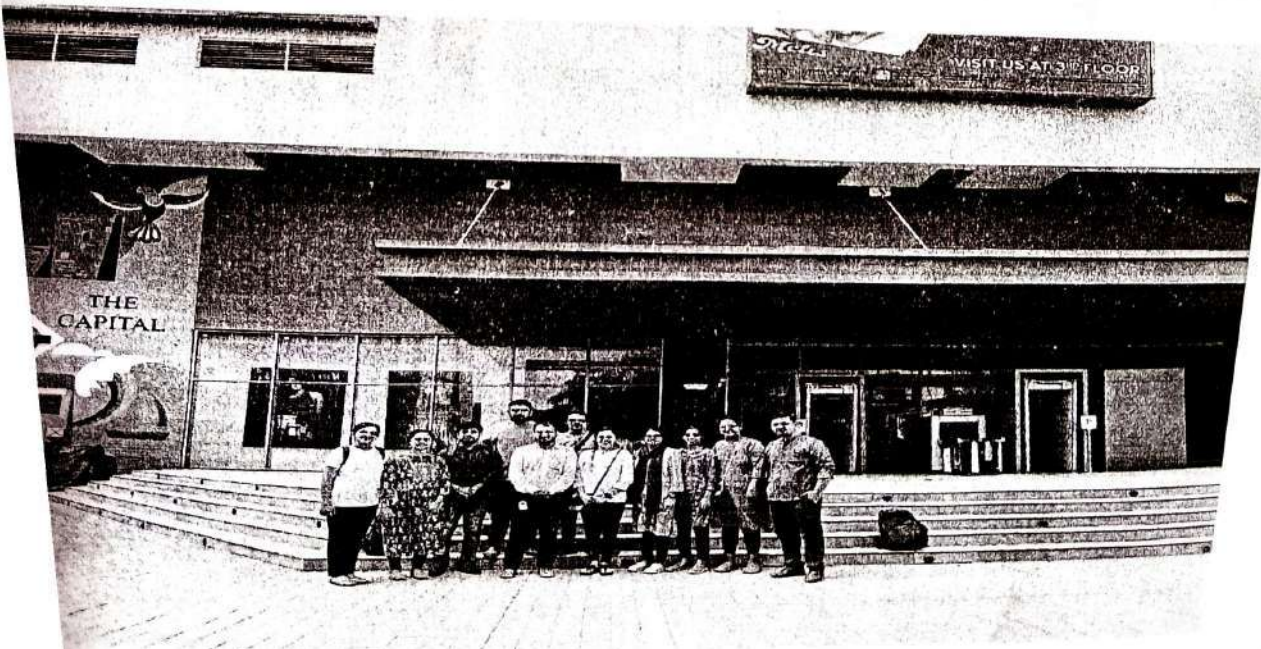


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5th Day of STTP on EDGE expert certification

The One-Week Short Term Training Program on “Sustainability Training
In Green Building”







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STTP (List of Resources)

Date: 24th June to 28th June 2024

Name of Speakers	Topics
Session 1: Mr Abdul Chaudhary	EDGE simulation theory
Session 2: Mr Abdul Chaudhary	Demonstration of Software
Session 1: Mr. Abdul Chaudhary	Develop site visit check list to collect data
Session 2: Mr. Abdul Chaudhary	Develop site visit check list to collect data
Session 1: Mr. Farthan Rathod	EDGE model creation
Session 2: Mr. Farthan Rathod	Detailed demonstration of live project
Session 1: MS. Gargi Priyamvada.	How to become EDGE expert
Session 2: MS. Gargi Priyamvada	Skills required to become EDGE expert
Session 1: Ms. Priti Reddy	EDGE software and certification process
Session 2: Ms. Priti Reddy	Work and Responsibility of EDGE experts


Prof. Asmita Mhatre
STTP Co-ordinator


Prof. Akshay Mistry
HOD Civil Engineering



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List of Participants for STTP 2023-24

No.	Name of the faculty	ISTE Membership Number
1	Prof. Akshay Mistry	LM 20514
2	Prof Ramya Raju	LM 91570
3	Prof Monica More	LM 117676
4	Prof Jimit Chotai	LM 117675
5	Prof Pratibha Patil	LM 117661
6	Prof Asmita Mhatre	LM 117674
7	Prof Yadnesh Patil	LM 117660
8	Prof Purva Awari	LM 117670
9	Prof. Mayur Patel	LM 117662
10	Prof. Prashant Gondane	LM 117668
11	Pof. Arathy Menon	LM 117672



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ATTENDANCE FOR STTP 2023-24

Name of the session chair : Gargi Priyamnada

Date: 27/06/24

No.	Name of the faculty	Session 1	Session 2
1	Prof. Akshay Mistry		
2	Prof Ramya Raju		
3	Prof Monica More		
4	Prof Jimit Chotai		
5	Prof Pratibha Patil		
6	Prof Asmita Mhatre		
7	Prof Yadnesh Patil		
8	Prof Purva Awari		
9	Prof. Mayur Patel		
10	Prof. Prashant Gondane		
11	Prof. Arathy Menon		

Prof. Asmita Mhatre
STTP COORDINATOR

Prof. Akshay Mistry
HOD CIVIL ENGG



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ATTENDANCE FOR STTP 2023-24

Name of the session chair : Farthan Rathod

Date: 26/08/2024

No.	Name of the faculty	Session 1	Session 2
1	Prof. Akshay Mistry		
2	Prof Ramya Raju		
3	Prof Monica More		
4	Prof Jimit Chotai		
5	Prof Pratibha Patil		
6	Prof Asmita Mhatre		
7	Prof Yadnesh Patil		
8	Prof Purva Awari		
9	Prof. Mayur Patel		
10	Prof. Prashant Gondane		
11	Prof. Arathy Menon		

Prof. Asmita Mhatre
STTP COORDINATOR

Prof. Akshay Mistry
HOD CIVIL ENGG



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ATTENDANCE FOR STTP 2023-24

Name of the session chair : Abdul chaudhary

Date: 24/08/2024

No.	Name of the faculty	Session 1	Session 2
1	Prof. Akshay Mistry		
2	Prof Ramya Raju		
3	Prof Monica More		
4	Prof Jimit Chotai		
5	Prof Pratibha Patil		
6	Prof Asmita Mhatre		
7	Prof Yadnesh Patil		
8	Prof Purva Awari		
9	Prof. Mayur Patel		
10	Prof. Prashant Gondane		
11	Prof. Arathy Menon		

Prof. Asmita Mhatre
STTP COORDINATOR

Prof. Akshay Mistry
HOD CIVIL ENGG



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ATTENDANCE FOR STTP 2023-24

Name of the session chair : *Prithi Reddy*

Date: *28/06/24*

No.	Name of the faculty	Session 1	Session 2
1	Prof. Akshay Mistry	<i>[Signature]</i>	<i>[Signature]</i>
2	Prof Ramya Raju	<i>[Signature]</i>	<i>[Signature]</i>
3	Prof Monica More	<i>[Signature]</i>	<i>[Signature]</i>
4	Prof Jimit Chotai	<i>[Signature]</i>	<i>[Signature]</i>
5	Prof Pratibha Patil	<i>[Signature]</i>	<i>[Signature]</i>
6	Prof Asmita Mhatre	<i>[Signature]</i>	<i>[Signature]</i>
7	Prof Yadnesh Patil	<i>[Signature]</i>	<i>[Signature]</i>
8	Prof Purva Awari	<i>[Signature]</i>	<i>[Signature]</i>
9	Prof. Mayur Patel	<i>[Signature]</i>	<i>[Signature]</i>
10	Prof. Prashant Gondane	<i>[Signature]</i>	<i>[Signature]</i>
11	Prof. Arathy Menon	<i>[Signature]</i>	<i>[Signature]</i>

Prof. Asmita Mhatre
STTP COORDINATOR

Prof. Akshay Mistry
HOD CIVIL ENGG