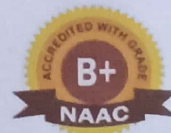




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VALUE ADDED COURSES

1.2.2 & 1.2.3 Number of Add on /Certificate/Value added programs offered during the year

Sr. No.	Name of Add on /Certificate/Value added programs offered	Year of offering	Duration of course (Weeks)	Number of students enrolled in the year	Total number students
List of Add on /Certificate/Value added programs offered during A.Y. 2024-25					
1	Design of steel structure using Staad Pro (CE)	2025	32	96	470
2	3D Max (CE)	2024	30	39	
3	Workshop on Additive manufacturing (3D Printing) (ME)	2025	36	71	
4	Workshop on SolidWorks Software (ME)	2025	36	44	
5	Mastering Electrical Soldering and Lug Wring Techniques (EE)	2025	34	32	
6	Electrical Design, Estimation and costing of Wring System (EE)	2024	30	18	
7	Cyber Security (CS)	2025	50	60	
8	Machine Learning (CS)	2025	50	44	
9	Internet of Things (ECS)	2025	36	39	
10	Python Programming (ECS)	2025	36	27	





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Academic Year 2024-25

Department of Civil Engineering



Civil Engineering

Value Added Courses

Academic Year	Class	Name of the Course	Date & Duration	Student Count
2024-25	Third Year & Final Year	Design of steel structure using Staad Pro	24th & 29th March 2025 (32 Hrs)	96
2024-25	Second Year	3D Max	3 rd To 8 th February (30 Hrs)	39

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**DR. A. D. SHINDE COLLEGE OF ENGINEERING,
BHADGAON**

DEPARTMENT OF CIVIL ENGINEERING

WORKSHOP ON

STAAD PRO

Duration: 24, 25, 26, 27, 28, 29 March 2025

CLASS: TY B.Tech

A.Y: 2024-25





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Department of Civil Engineering

Academic Year 2024-25



DATE: 02/04/2025

REPORT ON DESIGN OF STEEL STRUCTURES USING STAAD PRO

Report on Certification Course: "Design of Steel Structures using STAAD Pro"
Course Conducted By: Department of Civil Engineering, Dr. A. D. Shinde College of Engineering, Bhadagaon.
Course Duration: 24th March 2025 to 29th March 2025
Instructor: Mr. Yogesh R. Vanshe

1. Introduction

The **Certification Course on "Design of Steel Structures using STAAD Pro"** was successfully conducted for the **Third Year** and **Final Year** B.Tech Civil Engineering students of Dr. A. D. Shinde College of Engineering, Bhadagaon. The course, led by **Mr. Yogesh R. Vanshe**, aimed at providing students with an in-depth understanding of structural design using **STAAD Pro V8i**, one of the industry-standard software tools used in civil engineering for modeling and analyzing structures.

This 6-day course provided both theoretical insights and hands-on practical sessions to help students build proficiency in designing and analyzing steel structures. The sessions were interactive, with real-world applications emphasized to ensure students gained a comprehensive understanding of structural design principles.

2. Course Overview and Content

The course was structured over six days, with a focus on various key aspects of structural design using STAAD Pro. Below is a summary of the topics covered during the course:

Day 1 & Day 2:

- **Introduction to Structural Engineering**

Students were introduced to the fundamental principles of structural engineering and the significance of STAAD Pro in structural design.

- **Introduction to STAAD.Pro V8i**

Detailed introduction to STAAD Pro V8i software, including its interface, features, and functionalities.

- **Getting Familiar with STAAD Window**

Students familiarized themselves with the STAAD workspace, tools, and basic functions essential for model creation.

- **Model Generation Using STAAD Editor**

Practical training on generating structural models using STAAD Editor, with hands-on exercises.

Day 3 & Day 4:

- **Introduction to Snap Node/Beam Editor**

Overview of the Snap Node/Beam Editor tool for efficient model generation.

- **Model Generation Using Node/Beam Editor**

Hands-on exercises using the Node/Beam Editor for creating structural models with ease.





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- **Introduction to Translational Repeat**

The Translational Repeat tool was introduced, allowing students to replicate structures for multi-story buildings or large-scale projects.

- **Model Generation Using Translational Repeat**

Practical exercises on using the Translational Repeat feature to generate replicated structural models.

Day 5:

- **Assigning Properties, Supports, and Loads**

Students were trained on assigning material properties, boundary conditions (supports), and various loads (dead, live, wind, etc.) to their models in STAAD Pro.

- **Structure Analysis**

Introduction to performing structure analysis, understanding load combinations, and interpreting analysis results.

Day 6:

- **Simply Supported Beam Analysis**

Detailed analysis of simply supported beams, exploring the effects of different loads.

- **Analysis of Framed Structures**

Students learned the procedure for analysing framed structures and understanding internal forces and stress distribution.

- **Applying Floor Load**

Techniques for applying floor loads in multi-story buildings, with practical exercises on STAAD Pro.

3. Learning Outcomes

By the end of the course, students demonstrated the following key skills:

- Proficiency in using **STAAD Pro V8i** for designing and analyzing steel structures.
- Ability to model and generate structures with both the **STAAD Editor** and the **Node/Beam Editor**.
- Understanding of advanced features in STAAD Pro, such as **Translational Repeat** for replicating structures.
- Competence in **structural analysis**, including the ability to assign properties, supports, and loads to a structure.
- Hands-on experience in analyzing **simply supported beams** and **framed structures** under different loading conditions.
- Confidence in applying **floor loads** for multi-story buildings, an essential skill for modern structural design.

4. Student Participation and Feedback

The course saw active participation from all enrolled students, who showed great enthusiasm in learning and applying the skills taught. Feedback collected from the participants highlighted the following:

- **Positive Aspects:**

- The **interactive and hands-on approach** was appreciated, allowing students to understand the practical applications of STAAD Pro.
- The **expertise** of the instructor, Mr. Yogesh R. Vanshe, and his ability to simplify complex topics was highly praised.





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- The **practical exercises** enabled students to gain confidence in using STAAD Pro for their future projects.
- **Suggestions for Improvement:**
 - A few students requested more time for hands-on practice and additional examples of real-world complex structures.
 - Some students suggested an **advanced course** in STAAD Pro to cover more specialized topics such as seismic analysis or design of reinforced concrete structures.

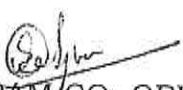
5. Conclusion

The **Certification Course on Design of Steel Structures using STAAD Pro** was a significant success in providing students with a solid foundation in using STAAD Pro for structural design and analysis. The course's comprehensive curriculum, combined with practical exercises, ensured that students not only gained theoretical knowledge but also hands-on experience with one of the most widely used software tools in the civil engineering industry.

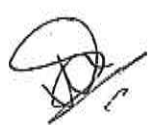
This course has successfully contributed to the academic growth of the students and has equipped them with skills that will be invaluable in their future careers as civil engineers.

6. Acknowledgments

We extend our sincere thanks to **Mr. Yogesh R. Vanshe** for his valuable contribution as the course instructor. His deep knowledge of STAAD Pro and dedication to student success were key factors in the course's success. We also appreciate the support of the **Civil Engineering Department** and all the students who participated actively in the course.


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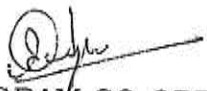


NOTICE

DATE : 12/03/2025

All the students of Civil Engineering Department of Dr. A. D. Shinde College of Engineering, Bhadagaon are informed that; we are going to organize the certification course for **Third Year** and **Final Year B. Tech** students on **Design the steel structure using STAAD PRO** Software by **Mr. Yogesh R. Vanshe** is scheduled from 24th March 2025 to 29th March 2025. Students should take note on the Syllabus & Schedule of the said course. Regular attendance for the session of the said course will ensure satisfactory performance in your career.

All the concerned should take note and act accordingly.


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Department of Civil Engineering

Academic Year 2024-25



DEPARTMENT OF CIVIL ENGINEERING

**SYALLABUS FOR DESIGN THE STEEL STRUCTURE USING
STAAD PRO**

Duration: 24, 25, 26, 27, 28, 29 March 2025

Day-1 & DAY-2

- Introduction to STRUCTURAL ENGINEERING
- Introduction to STAAD.Pro. V8i
- Getting familiar with STAAD window
- Model generation using STAAD editor

Day-3 & DAY-4

- Introduction to Snap Node/Beam Editor
- Model generation using Node/Beam Editor
- Introduction to Translational Repeat
- Model generation using Translational Repeat

Day-5

- Assigning Properties Assigning Supports Assigning Loads Structure Analysis

Day-6

- Simply Supported Beam Analysis of Framed Structure Applying Floor Load

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Department of Civil Engineering

Academic Year 2024-25



DEPARTMENT OF CIVIL ENGINEERING
WORKSHOP ON
DESIGN THE STEEL STRUCTURE USING STAAD PRO

Duration: 24, 25, 26, 27, 28, 29 March 2025

CLASS: Third Year and Final Year B.Tech

A.Y: 2024-25

Evolution procedure

- ❖ Eligibility Criteria: A student those who will attend 75% will be eligible for final exam.
- ❖ Final Exam: Performance of student will be evaluated on the basis of passing in question-answers, modelling during the course.
- ❖ Only those students who meet the passing standard for the assessment will be awarded the program completion certificate.


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DEPARTMENT OF CIVIL ENGINEERING
WORKSHOP ON

DESIGN THE STEEL STRUCTURE USING STAAD PRO

Duration: 24, 25, 26, 27, 28, 29 March 2025

CLASS: Third Year and Final Year B.Tech

A.Y: 2024-25

COURSE OUTCOMES

- ❖ Student will be able to complete object-oriented instinctive 2D/3D graphic model generation.
- ❖ Student will be able for carrying out flexible zooms and multiple views.
- ❖ Student will know to make isometric & perspective views and 3D shapes.
- ❖ Student will be able to perform accurate and numerically efficient plate/shell element incorporating out-of-plane shear & in-plane rotation; automatic element mesh generation; comprehensive element stress output including in-plane stresses, out-of-plane shear, bending & principal stresses at nodal, as well as, user-specified points.
- ❖ Student will learn how to achieve user-specified design parameters to customize a design. Student will know to perform code check, member selection and optimized member selection consisting of analysis/design cycles.
- ❖ Student will be able to design concrete beams/columns/slabs/footings as per all major.


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Department of Civil Engineering

Academic Year 2024-25



18	2022085170	KHOT AKASH TANAJI						
19	2023078753	KOKITKAR JOTIBA SHANKAR						
20	2023077306	LATAKAR SHRINIVAS MAHAVEER						
21	2021073410	MADILAGEKAR ADITYA VIJAY						
22	2022087244	MALI SANKET RAMESH						
23	2022086791	MANDLIK MAHENDRA SATISH						
24	2023058797	MORBALE VIJAY SAMBHAJI						
25	2023077833	MORE SANIKA SUNIL						
26	2021074342	MORESHWAR VASUDEV GURAV						
27	2022087275	MUDAVATH SANTOSH DEVJYA						
28	2022087006	NAIK PRATIK MARUTI						
29	2023065384	PARULEKAR SHRIRAM DIGAMBAR						
30	2021073414	PATHARWAT PRATHAMESH KISHOR						
31	2022085056	PATIL ABHIJEET BAJIRAO						
32	2023077747	PATIL OMKAR TANAJI						
33	2023077308	PATIL PRATIK TANAJI						
34	2022085003	PATIL SWAPNIL BHAGAVANT						
35	2023077853	PEDNEKAR ANURAG ANKUSH						
36	2023077304	POTDAR SHUBHAM KRISHNAT						
37	2023080289	RABAKAVI SACHIN NARASAPPA						





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Department of Civil Engineering
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38	2022079932	RAKTADE NANDKUMAR ARVIND	<u>NAR</u>	<u>NAR</u>	<u>NAR</u>	<u>NAR</u>	<u>NAR</u>	<u>NAR</u>
39	2023079035	REPE SHRUTI MARUTI	<u>Repe</u>	<u>Repe</u>	<u>Repe</u>	<u>Repe</u>	<u>Repe</u>	<u>Repe</u>
40	2022086475	SALAVI KRISHNA ASHOK	<u>Kasali</u>	<u>Kasali</u>	<u>Kasali</u>	<u>Kasali</u>	<u>Kasali</u>	<u>Kasali</u>
41	2023065382	SARNAIK SOURABH RANGRAO	<u>Surbh</u>	<u>Surbh</u>	<u>Surbh</u>	<u>Surbh</u>	<u>Surbh</u>	<u>Surbh</u>
42	2022087110	SHELAR KARAN VIJAY	<u>KARAN</u>	<u>KARAN</u>	<u>KARAN</u>	<u>KARAN</u>	<u>KARAN</u>	<u>KARAN</u>
43	2023065388	SIDRUK ANIKET LAHU	<u>Sidrukt</u>	<u>Sidrukt</u>	<u>Sidrukt</u>	<u>Sidrukt</u>	<u>Sidrukt</u>	<u>Sidrukt</u>
44	2022086977	SUTAR PRASHANT PANDURANG	<u>Prsutar</u>	<u>Prsutar</u>	<u>Prsutar</u>	<u>Prsutar</u>	<u>Prsutar</u>	<u>Prsutar</u>
45	2023077848	TODKAR RASHMI MARUTI	<u>Rtodkar</u>	<u>Rtodkar</u>	<u>Rtodkar</u>	<u>Rtodkar</u>	<u>Rtodkar</u>	<u>Rtodkar</u>
46	2023077331	VHATKAR YASH UMESH	<u>Yhatkar</u>	<u>Yhatkar</u>	<u>Yhatkar</u>	<u>Yhatkar</u>	<u>Yhatkar</u>	<u>Yhatkar</u>


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Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502

Department of Civil Engineering

Academic Year 2024-25



ATTENDANCE SHEET – Final Year Btech DESIGN OF STEEL STRUCTURE USINGSTAAD PRO

SR.	PRN	NAME OF THE STUDENT	24/03/25	25/03/25	24/03/25	25/03/25	24/03/25	25/03/25
1	2022087146	BHAT VAISHNAVI NETAJI						
2	2021072908	BHOSALE AVINASH TUKARAM						
3	2021072784	BIRAJDAR MADHAV SUDHAKAR						
4	2021072087	CHAVAN AKSHAY RAMU						
5	2021072851	CHAVAN RUTWIK RAGHUNATH						
6	2022084716	CHAVAN SANTOSH DHANAJI						
7	2021072045	CHOPADE INDRAKUMAR RAMESH						
8	2022086488	DESAI PRUTHVIRAJ DATTATRAY						
9	2021072221	DESAI ROHIT MAHENDRA						
10	2022087016	DESAI SURAJ NARAYAN						
11	2022086781	DHULUGADE PRATHAMESH SANJAY						
12	2022086516	GAWADE MAYURI MASHNU						
13	2022086532	GHAVARE AMOL ASHOK						
14	2021072646	HAJARE SWAPNIL ASHOK						
15	2022086755	INGALE SHIVRAJ JAYSING	S.J.I	S.J.I.	S.J.I.	S.J.I.	S.J.I.	S.J.I.
16	2022087063	JADHAV VALJAYANTIMALA CHANDRAKANT						





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Department of Civil Engineering

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17	2020075906	KAMBLE BHUSHAN BABAN	B	B	B	B	B	B
18	2022078764	KAMBLE HARISH EKNATH	Harsh.k	Harsh.k	Harsh.k	Harsh.k	Harsh.k	Harsh.k.
19	2022087061	KAMBLE MAHESH BALU	duke	duke	duke	duke	duke	duke
20	2022085641	KUMBHAR KRISHNAT RAGHUNATH	du	du	du	du	du	du
21	2022087105	LOHAR SHIRISH ASHOK	Shin	Shin	Shin	Shin	Shin	Shin.
22	2022086483	MATIWADD MANASI ANIL	M.M.A	M.M.A	M.M.A	M.M.A	M.M.A	M.M.A
23	2022085254	MORBALE SHUBHAM VILAS	SVM	SVM	SVM	-	SVM	SVM
24	2021071860	MORE SANKET GANAPATI	Se	Se	Se	Se	Se	Se
25	2022085174	NANDUDKAR SHUBHAM SHIVAJI	Nase	Nase	Nase	Nase	Nase	Nase
26	2022086742	NARATAVADEKAR VINAYAK DEELIP	Se	Se	Se	Se	Se	Se
27	2021071885	PAKHANE ROHIT HIRAMAN	Hse	Hse	Hse	Hse	Hse	Hse
28	2021071903	PALASULE PRATHAMESH DAYANAND	Pesah	Pesah	Pesah	Pesah	Pesah	Pesah
29	2022086472	PANORI MAHESHANAND MAHADEV	Mms	Mms	Mms	Mms	Mms	Mms
30	2022086511	PATIL ABHIRAJ ANNASAHEB	to	to	to	to	to	to
31	2022086786	PATIL AMRUTA KRISHNAT	K.Patil	K.Patil	K.Patil	K.Patil	K.Patil	K.Patil
32	2022086496	PATIL ANIKET JAYSING	Pes	Pes	Pes	Pes	Pes	Pes
33	2021073418	PATIL KETAN NAGESH	to	to	to	to	to	to
34	2022087305	PATIL RAHUL SHIVGOUDA	Se	Se	Se	Se	Se	Se
35	2022086382	PATIL RASIKA MANOHAR	Ge	Ge	Ge	Ge	Ge	Ge





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Department of Civil Engineering

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36	2022086969	PATIL SAMARJEET SUJITKUMAR	<u>PSN</u>	<u>PSN</u>	<u>PSN</u>	<u>PSN</u>	<u>PSN</u>	<u>PSN</u>
37	2022086703	PATIL SANDHYA NAMDEV	<u>PSN</u>	<u>PSN</u>	<u>PSN</u>	<u>PSN</u>	<u>PSN</u>	<u>PSN</u>
38	2022086533	PATIL SANKET SUBHASH	<u>PSN</u>	<u>PSN</u>	<u>PSN</u>	<u>PSN</u>	<u>PSN</u>	<u>PSN</u>
39	2022085516	PATIL SHRIDHAR YASHVANT	<u>Yashu</u>	<u>Yashu</u>	<u>Yashu</u>	<u>Yashu</u>	<u>Yashu</u>	<u>Yashu</u>
40	2022086797	POWAR SATYAJIT SHASHIKANT	<u>PSN</u>	<u>PSN</u>	<u>PSN</u>	<u>PSN</u>	<u>PSN</u>	<u>PSN</u>
41	2022084534	RANE RAHUL NIVRITI	<u>Rane</u>	<u>Rane</u>	<u>Rane</u>	<u>Rane</u>	<u>Rane</u>	<u>Rane</u>
42	2022087020	SARAVADE MILIND ANANDA	<u>Sar</u>	<u>Sar</u>	<u>Sar</u>	<u>Sar</u>	<u>Sar</u>	<u>Sar</u>
43	2021071920	SHAIKH SAJID RAJMAHMAD	<u>SSR</u>	<u>SSR</u>	<u>SSR</u>	<u>SSR</u>	<u>SSR</u>	<u>SSR</u>
44	2021072122	SHENDE VIKAS SARJERAO	<u>SVS</u>	<u>SVS</u>	<u>SVS</u>	<u>SVS</u>	<u>SVS</u>	<u>SVS</u>
45	2020076371	SUTAR VISHAL DHANAJI	<u>Sut</u>	<u>Sut</u>	<u>Sut</u>	<u>Sut</u>	<u>Sut</u>	<u>Sut</u>
46	2021072840	TAMBEKAR VINAYAK DATTATRAY	<u>V.T.D</u>	<u>V.T.D</u>	<u>V.T.D</u>	<u>V.T.D</u>	<u>V.T.D</u>	<u>V.T.D</u>
47	2021072794	DESAI AJINKYA ANNASAHEB	<u>Desai</u>	<u>Desai</u>	<u>Desai</u>	<u>Desai</u>	<u>Desai</u>	<u>Desai</u>
48	2021074343	GAWAS DNYANESHWAR DATTU	<u>Gaw</u>	<u>Gaw</u>	<u>Gaw</u>	<u>Gaw</u>	<u>Gaw</u>	<u>Gaw</u>
49	2022078968	KULKARNI ANIRUDDHA UMESH	<u>Anu</u>	<u>Anu</u>	<u>Anu</u>	<u>Anu</u>	<u>Anu</u>	<u>Anu</u>
50	2021072055	SAWANT AVISHKAR HINDURAO	<u>SAH</u>	<u>SAH</u>	<u>SAH</u>	<u>SAH</u>	<u>SAH</u>	<u>SAH</u>

Signature
VAP COORDINATOR



Signature
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At Bhadgaon, Gadhinglaj

Dinkarrao K Shinde Smarak Trust, Gadhinglaj



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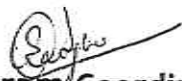
A/P : Bhadgaon, Tal: Gadhinglaj, Dist. . Kolhapur Maharashtra-416502



Department of Civil Engineering Design of steel structure using STAAD PRO software Certificate

This is to certify that Mr./Miss. Tookae Rashmi Maleti
Of T.Y. Civil Engineering

has successfully participated / completed the Workshop on Design of steel structure using STAAD PRO Software , organized by Department of Civil , Dr. A. D. SHINDE COLLEGE OF ENGINEERING from 24th March to 20th March 2025.


Program Coordinator




Head of the Civil Dept.


Principal

Dinkarrao K Shinde Smarak Trust, Gadhinglaj



Dr. A. D. SHINDE COLLEGE OF ENGINEERING

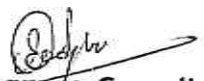
A/P : Bhadgaon, Tal: Gadhinglaj, Dist. . Kolhapur Maharashtra-416502



Department of Civil Engineering Design of steel structure using STAAD PRO software Certificate

This is to certify that Mr./Miss. More Sanika Sunil
Of T.Y. Civil Engineering.

has successfully participated / completed the Workshop on Design of steel structure using STAAD PRO Software , organized by Department of Civil , Dr. A. D. SHINDE COLLEGE OF ENGINEERING from 24th March to 20th March 2025.


Program Coordinator




Head of the Civil Dept.


Principal

NOTICE

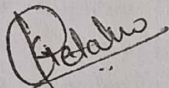
All the students of the Civil Engineering Department of **Dr. A. D. Shinde College of Engineering, Bhadgaon** are hereby informed that the department is organizing a **Certification Course on "3Ds Max for Civil Engineering Applications"** for **Second Year B. Tech Civil Engineering** students.

Instructor: Mr. Akshay Sankpal

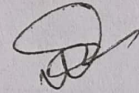
Duration: 03 February 2025 to 08 February 2025

Students are advised to attend all sessions regularly. Active participation will help students enhance their 3D visualization and presentation skills, which are essential in modern civil engineering practice.

All concerned students should take note and act accordingly.



Program Co - Ordinator



Head of department

Department of civil engineering

HOD

Dept. of Civil Engineering

Dr. A. D. Shinde College of Engineering

A/p. Bhadgaon, Gadhinglaj



Syllabus for course

“3Ds Max for Civil Engineering Applications”

Duration: 03–08 February 2025

Day 1 & Day 2

- Introduction to 3D Visualization in Civil Engineering
- Overview of 3Ds Max Interface and Toolbars
- Viewports, Navigation, and Coordinate Systems
- Basic Modeling Tools and Modifiers

Day 3 & Day 4

- Advanced Building Modeling Techniques
- Editable Poly and Modifier Stack
- Modeling of Structural Components (Walls, Columns, Slabs, Stairs)
- Introduction to Materials and Textures

Day 5

- Lighting Techniques and Camera Setup
- Types of Lights and Their Applications
- Rendering Concepts and Output Settings

Day 6

- Interior and Exterior Visualization
- Walkthrough and Animation Basics
- Final Rendering and Presentation Techniques



REPORT ON COURSE 3Ds Max for Civil Engineering Applications

Course Conducted By: Department of Civil Engineering
Institute: Dr. A. D. Shinde College of Engineering, Bhadgaon
Course Duration: 03 February 2025 to 08 February 2025
Instructor: Mr. Akshay Sankpal
Class: Second Year B. Tech Civil Engineering
Academic Year: 2024-2025

1. Introduction

The Certification Course on “3Ds Max for Civil Engineering Applications” was successfully conducted for Civil Engineering students with the objective of enhancing their visualization, modeling, and presentation skills. The course was led by **Mr. Akshay Sankpal**, who possesses strong expertise in architectural visualization and 3D modeling.

3Ds Max is a powerful software widely used in civil engineering and construction fields for creating realistic 3D models, architectural visualizations, walkthroughs, and animations. This course aimed to bridge the gap between conventional 2D drawings and modern 3D visualization techniques used in professional practice.

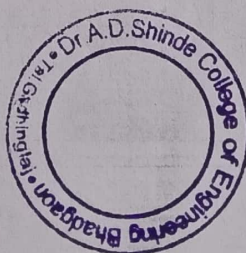
The program combined theoretical concepts with extensive hands-on training, enabling students to create realistic models of buildings and civil engineering projects.

2. Course Overview and Content

The course was structured to gradually introduce students to 3Ds Max, starting from basic concepts to advanced visualization techniques.

Day 1 & Day 2

- Introduction to 3D Modeling in Civil Engineering
- Overview of 3Ds Max Interface and Tools
- Understanding Viewports, Navigation, and Coordinate Systems
- Basic Modeling Techniques (Lines, Shapes, Modifiers)
- Creation of Simple 3D Objects and Building Components



Day 3 & Day 4

- Advanced Modeling Techniques for Buildings
- Editable Poly and Modifier Stack
- Modeling of Civil Engineering Elements (Walls, Slabs, Columns, Stairs)
- Introduction to Materials and Textures
- Applying Materials for Concrete, Steel, Glass, and Finishes

Day 5

- Lighting Concepts in 3Ds Max
- Types of Lights and Their Applications
- Camera Setup and Views
- Introduction to Rendering Concepts
- Use of Rendering Engines for Realistic Output

Day 6

- Exterior and Interior Visualization
- Creating Walkthroughs and Animations
- Rendering of Complete Building Models
- Exporting Images and Videos for Presentation

3. Learning Outcomes

At the end of the certification course, students were able to:

- Understand the importance of 3D visualization in civil engineering projects.
- Create accurate 3D models of buildings using 3Ds Max.
- Apply realistic materials and textures to civil engineering components.
- Set up lighting and cameras for professional-quality renderings.
- Generate high-quality renders and walkthrough animations.
- Present civil engineering projects effectively using 3D visuals.

4. Student Participation and Feedback

The course received enthusiastic participation from students. Learners actively engaged in hands-on sessions and project-based exercises.

Feedback Highlights:

Positive Aspects:



- Practical and industry-oriented approach of the course.
- Clear explanation of concepts by Mr. Akshay Sankpal.
- Significant improvement in students' visualization and presentation skills.
- Real-time modeling examples helped in better understanding.

Suggestions:

- More advanced sessions on animation and rendering plugins.
- Inclusion of real-time project-based assignments.

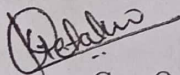
5. Conclusion

The Certification Course on **3Ds Max for Civil Engineering Applications** was highly successful in equipping students with essential 3D modeling and visualization skills. The course helped students understand how modern visualization tools support planning, design, and client presentations in civil engineering projects.

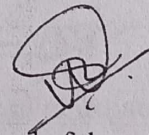
The training added significant value to students' technical skill sets and prepared them for professional requirements in architecture, construction, and infrastructure sectors.

6. Acknowledgment

We express our sincere gratitude to **Mr. Akshay Sankpal** for conducting the course and sharing his valuable knowledge and practical insights. We also thank the Department of Civil Engineering and all participating students for their cooperation and active involvement, which contributed to the success of the program.

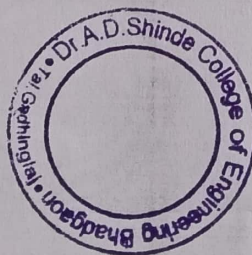


Program Co - Ordinator



Head of department

Department of civil engineering



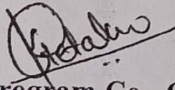
Course outcomes (COs)

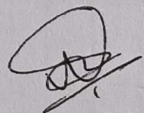
After completion of the course, students will be able to:

- CO1: Create accurate 3D models of civil engineering structures using 3Ds Max.
- CO2: Apply materials, textures, and lighting to achieve realistic visualization.
- CO3: Generate interior and exterior views for civil engineering projects.
- CO4: Develop walkthroughs and basic animations for project presentations.
- CO5: Present civil engineering designs effectively using professional-quality renders.

Evaluation procedure

- **Eligibility Criteria:** Students must have a minimum of **75% attendance** to be eligible for assessment.
- **Assessment Method:**
 - Practical modeling exercises
 - Final rendered model submission
 - Viva-voce / Question-Answer session
- **Certification:** Only students who successfully meet the assessment criteria will be awarded the **Course Completion Certificate**.


Program Co - Ordinator


Head of department
Department of civil engineering





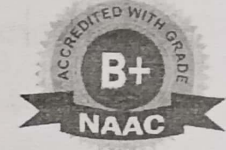
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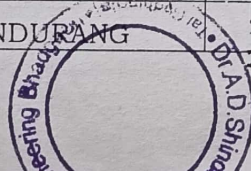
Department of Civil Engineering

Academic Year 2024-25



ATTENDANCE SHEET – Second Year B. tech. COURSE 3Ds Max for Civil Engineering Applications

SR.	PRN	NAME OF THE STUDENT	03/02/25	04/02/25	05/02/25	06/02/25	07/02/25	08/02/25
1	2024061212	ASABE PRANAV PRAKASH	<u>Pranav</u>	<u>Pranav</u>	<u>Pranav</u>	<u>Pranav</u>	<u>Pranav</u>	<u>Pranav</u>
2	2024068498	BAGWAN ADAM FIROJ	<u>Bu</u>	<u>Bu</u>	<u>Bu</u>	<u>Bu</u>	<u>Bu</u>	<u>Bu</u>
3	2024066145	BELEKAR KETAN KUNDLIK	<u>BKK</u>	<u>BKK</u>	<u>BKK</u>	<u>BKK</u>	<u>BKK</u>	<u>BKK</u>
4	2024068499	CHOUGALE VAIBHAV VILAS	<u>cu</u>	<u>cu</u>	<u>cu</u>	<u>cu</u>	<u>cu</u>	<u>cu</u>
5	2024060877	DAVARI AMARNATH RAGHUNATH	<u>Ru</u>	<u>Ru</u>	<u>Ru</u>	<u>Ru</u>	<u>Ru</u>	<u>Ru</u>
6	2024061011	! DELEKAR PRAJAKTA MARUTI	<u>Prajakta</u>	<u>Prajakta</u>	<u>Prajakta</u>	<u>Prajakta</u>	<u>Prajakta</u>	<u>Prajakta</u>
7	2024061150	DESAI JIDDESH SUDHIR	<u>Jesai</u>	<u>Jesai</u>	<u>Jesai</u>	<u>Jesai</u>	<u>Jesai</u>	<u>Jesai</u>
8	2024062632	DESAI PANKAJ BALVANT	<u>Pdesai</u>	<u>Pdesai</u>	<u>Pdesai</u>	<u>Pdesai</u>	<u>Pdesai</u>	<u>Pdesai</u>
9	2024061469	DESAI SAURABH SANJAY	<u>SDesai</u>	<u>SDesai</u>	<u>SDesai</u>	<u>SDesai</u>	<u>SDesai</u>	<u>SDesai</u>
10	2024065966	DHURI KISHOR MANOHAR	<u>Dmanohar</u>	<u>Dmanohar</u>	<u>Dmanohar</u>	<u>Dmanohar</u>	<u>Dmanohar</u>	<u>Dmanohar</u>
11	2024067809	GAONKAR SHIVAM JAGA	<u>Gul</u>	<u>Gul</u>	<u>Gul</u>	<u>Gul</u>	<u>Gul</u>	<u>Gul</u>
12	2024067310	GORAD AKSHAY GUJRA	<u>AGG</u>	<u>AGG</u>	<u>AGG</u>	<u>AGG</u>	<u>AGG</u>	<u>AGG</u>
13	2024068500	GUNJATE VAIBHAV SHIVAJI	<u>Aul</u>	<u>Aul</u>	<u>Aul</u>	<u>Aul</u>	<u>Aul</u>	<u>Aul</u>
14	2024060709	! GURAV GAYATREEDEVI PANDITKUMAR	<u>Gurav</u>	<u>Gurav</u>	<u>Gurav</u>	<u>Gurav</u>	<u>Gurav</u>	<u>Gurav</u>
15	2024060869	! HIDADUGI MANASWI AMAR	<u>AH</u>	<u>AH</u>	<u>AH</u>	<u>AH</u>	<u>AH</u>	<u>AH</u>
16	2024061261	INGALE PRANAV PANDURANG	<u>Pngale</u>	<u>Pngale</u>	<u>Pngale</u>	<u>Pngale</u>	<u>Pngale</u>	<u>Pngale</u>





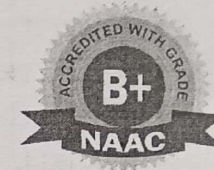
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DR.A. D. SHINDE COLLEGE OF ENGINEERING.

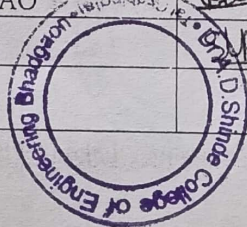
Bhadgaon, Gadhinglaj. Dist.: Kolhapur Pin: 416502

Department of Civil Engineering

Academic Year 2024-25



17	2024065654	JADHAV BHUSHAN SHANKAR	BShankar	BShankar	BShankar	BShankar	BShankar	BShankar
18	2024061207	KAMBLE AKASH SURESH	AKamble	AKamble	AKamble	AKamble	AKamble	AKamble
19	2024066159	KAMBLE SHASHANK ANIL	AShankar	AShankar	AShankar	AShankar	AShankar	AShankar
20	2024067160	KAMBLE SHUBHAM MADHUKAR	MSKamble	MSKamble	MSKamble	MSKamble	MSKamble	MSKamble
21	2024061040	KONDUSKAR SANGRAM JAYSING	SKonduskar	SKonduskar	SKonduskar	SKonduskar	SKonduskar	SKonduskar
22	2024069333	! KORI PRACHI MAHESH	PKori	PKori	PKori	PKori	PKori	PKori
23	2024060733	! KUMBHAR AKSHATA SUNIL	AKKumbhar	AKKumbhar	AKKumbhar	AKKumbhar	AKKumbhar	AKKumbhar
24	2024060862	KUMBHAR PRADEEP PRAKASH	PKumbhar	PKumbhar	PKumbhar	PKumbhar	PKumbhar	PKumbhar
25	2024065078	! KURADE ARATI PRAKASH	AKKurade	AKKurade	AKKurade	AKKurade	AKKurade	AKKurade
26	2024061244	MAGDUM ADINATH RAMESH	AMMagdum	AMMagdum	AMMagdum	AMMagdum	AMMagdum	AMMagdum
27	2024060771	NAIK SANDEEP SHANKAR	SNaik	SNaik	SNaik	SNaik	SNaik	SNaik
28	2024067342	NIKAM KIRANKUMAR KALLAPA	KNikam	KNikam	KNikam	KNikam	KNikam	KNikam
29	2024065645	PATAVEGAR SAIFALI LIYAKAT	LPatavegar	LPatavegar	LPatavegar	LPatavegar	LPatavegar	LPatavegar
30	2024065089	PATIL ADARSH GOVIND	GPatil	GPatil	GPatil	GPatil	GPatil	GPatil
31	2024061219	PATIL ASHUTOSH SANTOSH	SPatil	SPatil	SPatil	SPatil	SPatil	SPatil
32	2024061038	PATIL PRUTHVIRAJ SUNIL	PSPatil	PSPatil	PSPatil	PSPatil	PSPatil	PSPatil
33	2024065763	PATIL ROHIT UTTAM	RPatil	RPatil	RPatil	RPatil	RPatil	RPatil
34	2024061282	PATIL SANKET BABURAO	SBPatil	SBPatil	SBPatil	SBPatil	SBPatil	SBPatil
35	2024061258	PATIL SURAJ LAXMAN	SLPatil	SLPatil	SLPatil	SLPatil	SLPatil	SLPatil
36	2024060997	RHAYAKAR UDDHAV DATTATRAYA	URHayakar	URHayakar	URHayakar	URHayakar	URHayakar	URHayakar





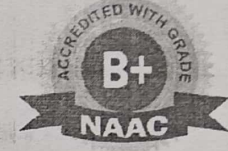
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Department of Civil Engineering

Academic Year 2024-25



37	2024065085	SASULKAR ABHIJEET ASHOK						
38	2024061134	SUTAR AVINASH ASHOK						
39	2024068271	SUTAR SHREYASH CHANDRAKANT	S.C. Sutar	S. C. Sutar	S. C. Sutar	S. C. Sutar	S. C. Sutar	S. C. Sutar

VAP COORDINATOR

HOD

Department of Civil Engineering
Dr. A. D. Shinde College of Engineering
Bhadgaon, Gadhinglaj



Dinkarrao K Shinde Smarak Trust, Gadhinglaj

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DR. A. D. SHINDE
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ENGINEERING



Dr. A. D SHINDE COLLEGE OF ENGINEERING

A/P : Bhadgaon, Tal: Gadhinglaj, Dist. . Kolhapur Maharashtra-416502

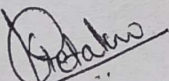
Department of Civil Engineering 3Ds Max Software Certificate



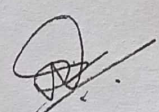
SHINDE'S EDUCATIONAL CAMPUS
Guddaj, Bhadgaon (Gadhinglaj)

This is to certify that Mr./Miss. Gunjate Vaibhav Shivaji
Of _____

has successfully participated / completed the certificate course on 3Ds Max Software, organized by Department
of Civil , Dr. A. D SHINDE COLLEGE OF ENGINEERING from 3rd February to 8th February, 2025.


Program Coordinator




Head of the Civil Dept.


Principal



	Dinkarrao K. Shinde Smarak Trusts DR.A. D. SHINDE COLLEGE OF ENGINEERING. Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502 Academic Year 2024-25 Department of Computer Science and Engineering	
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSES

Sr.No	ACADEMIC YEAR	CLASS	NAME OF WORKSHOP	DATE & DURATION	STUDENT COUNT
1	2024-2025	TE	WORKSHOP ON CYBER SECURITY	6 th TO 14 th January 2025	60
		TE	WORKSHOP ON MACHINE LEARNING	10 th TO 18 th February 2025	44


HOD
 Computer Science & Engineering
 Dr.A.D.Shinde College of Engineering
 A/P.Bhadgaon, Tal. Gadhinglaj



Workshop
on
“Cyber Security”
Duration: 6th to 14th January 2025
Class: Third Year
Sem: VI





Dinkarrao K. Shinde Smarak Trust's

DR. A. D. SHINDE COLLEGE OF ENGINEERING
Department Of Computer Science and Engineering

Gadhinglaj A/ P: Bhadgaon, Tal- Gadhinglaj, Dist- Kolhapur

Date: 26/12/2024

NOTICE

All the third year students are hereby informed that the a workshop on “Cyber security” is organized by the Computer Science and Engineering department from 06th jan 2025 to 14th jan 2025. This workshop will cover key topics in cyber security, including best practices for online security, ethical hacking, and real-world case studies. This workshop is a great opportunity to enhance your knowledge and skills in the field of cyber security. We look forward to your active participation

Details of the Workshop:

- Date: 06-01-2025 to 14-01-2025
- Time: 09.30 am to 4.30 pm
- Venue: Seminar hall (Inaugural Function), programming lab 1 (hands-on)
- Speaker/Trainer: Edureka learing center and Leosias Techonology

Important Notes:

- Attendance is mandatory.
- Registration fee: Rs 500/- per student.
- rupees 1000 /- penalty for absence.
- Students shall submit summary report of workshop after completion.
- Certificate will be provided for all participants.
- **Bring a laptop for practical sessions.**

HOD

Prof. M. K. Hasabe

HOD

Computer Science & Engineering
Dr.A.D.Shinde College of Engineering
A/P.Bhadgaon, Tal. Gadhinglaj





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Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

Academic Year 2024-25

Department of Computer Science and Engineering



DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING

WORKSHOP ON
CYBER SECURITY

Duration: 6th to 14th January 2025

Class: Third Year

Sem: VI

A.Y: 2024-2025

Evaluation Procedure

- ❖ **Eligibility Criteria:** Participant should have minimum 75% of attendance.
- ❖ **Also participant will be evaluated on the basis of performance during the workshop by the expert.**

Hinkwadi

Program Co-Ordinator



Hinkwadi

HOD
HOD

Computer Science & Engineering
Dr.A.D.Shinde College of Engineering
A/P.Bhadgaon, Tal Gadhinglaj



Dinkarrao K. Shinde Smarak Trusts

DR.A. D. SHINDE COLLEGE OF ENGINEERING.

Bhadgaon, Gadhinglaj, Dist: Kolhapur Pin:416502

Academic Year 2024-25

Department of Computer Science and Engineering



DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING

WORKSHOP ON
CYBER SECURITY

Duration: 06th to 14th January 2025

Class: Third Year

Sem: VI

A.Y: 2024-2025

COURSE OUTCOME

1. Understand fundamental concepts, principles, and terminologies of cyber security
2. Identify different types of cyber threats, attacks, and vulnerabilities
3. Analyze security risks and apply appropriate protection mechanisms
4. Implement basic cryptographic techniques for secure data communication
5. Understand network security concepts, firewalls, and intrusion detection systems

Haikaradi

Program Co-Ordinator



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HOD
HOD

Computer Science & Engineering
Dr.A.D.Shinde College of Engineering
A/P.Bhadgaon, Tal. Gadhinglaj

Course Outcome Documentation

Course Title: Advanced Cybersecurity Concepts and Applications

Course Duration: 8 Days

Target Undergraduate Students with a foundational knowledge of cybersecurity and tool.

Course Objectives

1. Provide a deep understanding of advanced cybersecurity concepts and frameworks.
2. Enable learners to identify and mitigate emerging cyber threats effectively.
3. Equip participants with practical skills in network security, application security, cryptography, and incident response.
4. Foster proficiency in modern security technologies and trends, such as AI, ML, and quantum-safe cryptography.
5. Encourage projects/ labs / hands-on learning through simulations and exercises to enhance incident handling and forensic capabilities.

Course Outcomes

Upon successful completion of this 8days workshop. participants will be able to:

1. **Understand Advanced Cybersecurity Concepts:**
Gain expertise in basic fundamental and advanced concepts, including advanced attack vectors like APTs, Zero-Day vulnerabilities, and social engineering techniques at scale.
2. **Analyse Cyber Threats and Risk Management:**
Learn how to utilize threat intelligence platforms, prioritize vulnerabilities, and conduct both qualitative and quantitative risk assessments.
3. **Design and Implement Secure Network Architectures:**
Demonstrate advanced skills in network segmentation, firewall management, and intrusion detection/prevention systems.
4. **Apply Cryptography Principles:**
Understand cryptographic techniques, including symmetric and asymmetric encryption, secure key management, and PKI implementations.
5. **Strengthen Application Security:**
Apply OWASP Top 10 best practices, implement SSDLC approaches, and understand the principles of Zero Trust and API security.
6. **Enhance Endpoint Security:**
Configure and manage endpoint security solutions, harden systems against ransomware attacks, and address BYOD challenges.
7. **Execute Effective Incident Response:**
Master the Incident Response Lifecycle, utilize forensic tools for evidence collection, and detect breaches using log analysis techniques.

Cybersecurity Workshop outcome

8. **Recognize Emerging Trends in Cybersecurity:**
Understand AI/ML applications, blockchain security measures, cloud security advancements, and the implications of quantum computing.
9. **Apply Practical Knowledge in Real-world Scenarios:**
Gain hands-on experience through secure coding exercises, live incident response simulations, and a mock breach investigation project.

Assessment Metrics

1. **Knowledge Checkpoints:** MCQ quizzes after 4day/session to ensure theoretical understanding. And Practical Lab test on PortSwigger application
2. **Case Studies:** Real-world examples to analyse vulnerabilities, attacks, and risk management.
3. **Hands-on Exercises:** Activities such as threat modeling, secure coding, and mock breach investigation.
4. **Final Exam:** Comprehensive assessment covering all topics with theoretical and practical questions.

Required Resources

- Laptops with pre-installed cybersecurity tools (Wireshark, Nessus, Burp Suite, portswigger etc.)
- Access to threat intelligence platforms and virtualization software (VMware/VirtualBox).
- Hands-on lab setup with sample datasets, network configurations, and cyberattack scenarios.

Evaluation Criteria

Assessment Component	Weightage
Daily Knowledge Checkpoints	100%
Daily Theoretical (Morning)	50%
Daily Project and Lab(afternoon)	50%
Final two Exams(T/P)	100%





Dinkarrao K. Shinde Smarak Trusts

DR.A. D. SHINDE COLLEGE OF ENGINEERING.

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

Academic Year 2024-25

Department of Computer Science and Engineering



DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING

Duration: 6th to 14th January 2025

Class: Third Year

Sem: VI

A.Y: 2024-2025

SYALLABUS FOR WORKSHOP ON
CYBER SECURITY

❖ **Cyber Security**

Day 1: Introduction to Cybersecurity (5 hours)

What is Cybersecurity?

Types of Cyber Threats: Malware, Phishing, DDoS, etc.

Cybersecurity Terminologies: CIA Triad, Authentication,

Authorization Real-life Case Studies

Hands-On: Identifying types of threats and analyzing simple case studies.

Day 2: Networking Basics for Cybersecurity (5 hours)

Networking Fundamentals:

OSI and TCP/IP Models

IP Addressing, Subnetting, and DNS Basics

Ports and Protocols: HTTP, HTTPS, FTP, SSH, etc.

Tools: Wireshark for Packet Analysis

Hands-On: Capture and analyze network packets using Wireshark.



Day 3: Setting Up Cybersecurity Lab (5 hours)

Installing Virtual Machines: VMware/VirtualBox

Kali Linux and Windows VM Setup

Introduction to Tools: Nmap, Metasploit, Burp Suite

Mini-Project 1: Perform Network Scanning and Enumeration using Nmap.

Day 4: Operating System Security (5 hours)

Windows and Linux Security:

User Account Management

Permissions and Security Features

System Vulnerabilities: Identifying and Exploiting Weaknesses

Hands-On: Hardening a Windows/Linux system.

Day 5: Web Application Security Basics (5 hours)

OWASP Top 10 Vulnerabilities: SQL Injection, XSS, CSRF, etc.

Tools: Burp Suite for Web Security Testing

Setting Up DVWA (Damn Vulnerable Web App)

Hands-On: Exploiting simple vulnerabilities using Burp Suite.

Day 6: Ethical Hacking and Penetration Testing (5 hours)

Reconnaissance and Scanning:

Passive Recon: WHOIS, Shodan

Active Recon: Nmap, Zenmap

Vulnerability Assessment: Using Nessus/OpenVAS

Mini-Project 2: Perform Vulnerability Scanning on a Local VM Network.

Day 7: Exploitation and Post-Exploitation (5 hours)

Gaining Access: Exploiting Services using Metasploit

Privilege Escalation: Linux/Windows Techniques

Post-Exploitation: Covering Tracks

Mini-Project 3: Exploit Metasploitable VM and document the results.

Day 8: Final Mini-Project and Wrap-Up (5 hours) 1. Project:

Penetration Testing Report

Perform Penetration Testing on a Local VM Network



Tools: Nmap, Nessus, Metasploit

2. Wrap-Up:

Tools Overview Recap

Final Q&A and Best Practices in Cybersecurity

Tools Covered

Network Analysis: Wireshark, Nmap

Web Security: Burp Suite, DVWA

Vulnerability Scanning: Nessus, OpenVAS

Exploitation: Metasploit

Virtualization: VMware/VirtualBox

Hailwadi
Program Co-Ordinator



[Signature]
HOD
HOD
Computer Science & Engineering
Dr. A.D. Shinde College of Engineering
Bhadgaon, Tal. Gadhinglaj



Dinkarrao K. Shinde Smarak Trusts

DR.A. D. SHINDE COLLEGE OF ENGINEERING.

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

Academic Year 2024-25

Department of Computer Science and Engineering



REPORT

The Department of Computer Science and Engineering organized an eight-day **Workshop on "Cyber Security"** from **6th to 14th January 2025** for Third Year students of Semester VI. The workshop was designed to provide students with practical knowledge of cybersecurity tools, techniques, vulnerabilities, and protection mechanisms aligned with current industry standards.

The workshop began with an introduction to **fundamental concepts of Cybersecurity**, including types of cyber threats, the CIA triad, malware, phishing, DDoS attacks, and real-life case studies. Students gained clarity on security terminologies and the essential need for cyber awareness in modern digital environments.

In the following sessions, students were introduced to **networking basics** required for cybersecurity such as OSI/TCP/IP models, IP addressing, subnetting, DNS, and ports and protocols. Hands-on training using **Wireshark** helped them analyze network packets and understand data flow across networks.

The workshop emphasized practical exposure, starting with setting up a **Cybersecurity Lab** using VirtualBox/VMware, installation of **Kali Linux and Windows VMs**, and familiarization with tools such as **Nmap, Metasploit, and Burp Suite**. Students completed a mini-project on network scanning and enumeration using Nmap.

Students then learned **Operating System Security**, including Linux/Windows permissions, account management, system vulnerabilities, and system hardening techniques.

Halkawale

Program Co-Ordinator



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HOD
HOD

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A/P.Bhadgaon,Tal.Gadhinglaj



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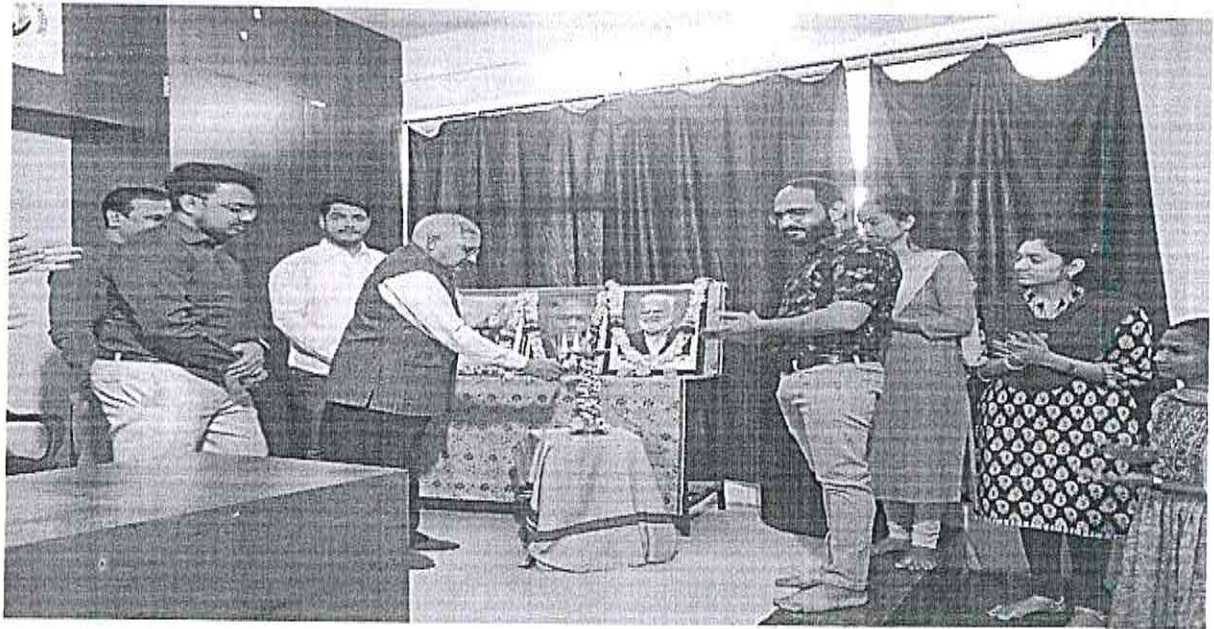
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Academic Year 2024-25

Department of Computer Science and Engineering



CYBER SECURITY WORKSHOP PHOTOS:





Dinkarrao K. Shinde Smarak Trusts

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Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

Academic Year 2024-25

Department of Computer Science and Engineering



Attendance for 8 days workshop on Cyber Security

Sr.No	Name Of Students	06-01-25		07-01-25		08-01-25		09-01-25		10-01-25		11-01-25		13-01-25		14-01-25	
		M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E
01	PATIL VRUSHALI SANJAY	-	-	-	-	Patil	Patil	-	-	-	-	Patil	Patil	Patil	Patil		
02	SUTAR GURUNATH VIJAY	-	-	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil		
03	DESAI RHUTUJA DAGADU	-	-	-	-	-	-	-	-	-	-	-	-	Patil	Patil	Patil	Patil
04	KUMBHAR RUTIK SANJAY	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
05	SUTAR TOUHID BALAM	Patil	Patil	Patil	Patil	-	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
06	KHANDAGALE SHRUTI VISHWAS	-	-	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
07	GUDAVALEKAR SHREENIVAS BHAGOJI	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
08	KAMBLE ALANKAR SHIVAJI	-	-	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
09	DHUPADALE PARSHAVANATH CHANDRAKA	Patil	Patil	-	-	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil



	Name Of Students	06-01-25		07-01-25		08-01-25		09-01-25		10-01-25		11-01-25		13-01-25		14-01-25	
		M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E
10	KAMBLE SUDHANSHU EKANATH	-	-	-	-	S Kamble	S Kamble	S Kamble	S Kamble	S Kamble	S Kamble	S Kamble	S Kamble	S Kamble	S Kamble	S Kamble	S Kamble
11	KAMBLE VARSHA BALAVANT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	UTTURKAR SAISH RAJESH	S	S	-	-	-	-	S	S	S	S	S	S	S	S	S	S
13	BORGAVE SAKSHI AMAR	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave	Borgave
14	FARAKATE SAYALI SURESH	Farakate	Farakate	Farakate	Farakate	Farakate	Farakate	Farakate	Farakate	Farakate	Farakate	Farakate	Farakate	Farakate	Farakate	Farakate	Farakate
15	DESAI PATIL YAJURVENDRA SUNIL	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai
16	DESAI PRAGATI PARASHURAM	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai
17	GOILKAR AKASH CHANDRAKANT	-	-	Goilkar	Goilkar	Goilkar	Goilkar	Goilkar	Goilkar	Goilkar	Goilkar	Goilkar	Goilkar	Goilkar	Goilkar	Goilkar	Goilkar
18	JAGDALE AMAR DADASAHEB	J	J	J	-	J	J	J	J	J	J	J	J	J	J	J	J
19	KADAM SANIKA SATAPPA	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam
20	KAMALAKAR RUTIKA GURUPRASAD	Kamalak	Kamalak	Kamalak	Kamalak	Kamalak	Kamalak	Kamalak	Kamalak	Kamalak	Kamalak	Kamalak	Kamalak	Kamalak	Kamalak	Kamalak	Kamalak
21	MANE VAISHNAVI VIJAY	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane
22	TAMBEKAR AMOL SHIVAJI	-	-	-	-	Tambekar	-	Tambekar	Tambekar	Tambekar	-	Tambekar	Tambekar	Tambekar	Tambekar	Tambekar	Tambekar



Sr.No	Name of Students	06-01-25	07-01-25	08-01-25	09-01-25	10-01-25	11-01-25	13-01-25	14-01-25
23	TEMBUGADE SUSHAMA ANANDA	✓	✓	✓	✓	✓	✓	✓	✓
24	AJAGEKAR PRACHI PUNDLIK	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi
25	AMTE VISHAL BHARAT	-	-	-	Amte	Amte	Amte	Amte	Amte
26	BANDI SHWETA SIDDAPPA	Sandi	Sandi	Sandi	-	Sandi	Sandi	Sandi	Sandi
27	BHOSALE NIKITA ANNASAHEB	NDB	NDB	NDB	NDB	NDB	NDB	NDB	NDB
28	CHAVAN PRACHI PRAMOD	Pravod	Pravod	Pravod	-	Pravod	Pravod	Pravod	Pravod
29	CHAVAN SANIKA RAJENDRA	SRchav	SRchav	SRchav	SRchav	SRchav	SRchav	SRchav	SRchav
30	CHOTHE PRACHI SHIVAJI	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi
31	CHOUGALE AMRUTA ANANDA	Amrute	Amrute	-	-	-	Amrute	Amrute	Amrute
32	DESAI JEEVAN TATYASO	Jeevan	Jeevan	Jeevan	Jeevan	Jeevan	Jeevan	Jeevan	Jeevan
33	DESAI KARAN SUDHAKAR	Desai	Desai	Desai	Desai	-	Desai	Desai	Desai
34	DIVATE SHRIVARDHAN SACHIN	-	-	-	Sachin	Sachin	Sachin	Sachin	Sachin
35	GARAD MAULI KANTILAL	Garad	Garad	Garad	Garad	Garad	Garad	Garad	Garad
36	GHORPADE HIMANI SUDHIR	-	-	-	-	-	-	-	-



Sr.No	Name of Students	06-01-25	07-01-25	08-01-25	09-01-25	10-01-25	11-01-25	13-01-25	14-01-25
37	JADHAV SANKET VIKAS	-	-	-	-	-	-	-	-
38	JADHAV MANASI RAMESH	M. Jadhav	M. Jadhav	M. Jadhav	M. Jadhav	M. Jadhav	M. Jadhav	M. Jadhav	M. Jadhav
39	KAMAT SHRAVANI SAMIR	S. Kamat	S. Kamat	S. Kamat	S. Kamat	S. Kamat	S. Kamat	S. Kamat	S. Kamat
40	KAMBLE SUSHANT SANJU	M. Kamble	M. Kamble	M. Kamble	M. Kamble	M. Kamble	M. Kamble	M. Kamble	M. Kamble
41	KHARCHE RUSHIKESH SURESH	P. Kharche	P. Kharche	P. Kharche	P. Kharche	P. Kharche	P. Kharche	P. Kharche	P. Kharche
42	KUMBHAR ADITYA DINKAR	A. Kumbhar	A. Kumbhar	A. Kumbhar	A. Kumbhar	A. Kumbhar	A. Kumbhar	A. Kumbhar	A. Kumbhar
43	KUMBHAR VAISHNAVI JIVAN	-	-	-	-	-	-	-	-
44	KURADE ADARSH NETAJI	-	-	A. Kurade	A. Kurade	A. Kurade	A. Kurade	A. Kurade	A. Kurade
45	KURADE SANDHYA LAXMAN	-	-	-	-	-	-	-	-
46	MHATUGADE TANVI RAMESH	T. Mhatugade	T. Mhatugade	T. Mhatugade	T. Mhatugade	T. Mhatugade	T. Mhatugade	T. Mhatugade	T. Mhatugade
47	MUSALE PARTH VINOD	P. Musale	P. Musale	P. Musale	P. Musale	P. Musale	P. Musale	P. Musale	P. Musale



Sr.No	Name Of Students	06-01-25		07-01-25		08-01-25		09-01-25		10-01-25		11-01-25		13-01-25		14-01-25	
48	NADAF ALFIYA JAVED	Nadaf	Nadaf	Nadaf	Nadaf	Nadaf	Nadaf	Nadaf	Nadaf	Nadaf	Nadaf	Nadaf	Nadaf	Nadaf	Nadaf	Nadaf	Nadaf
49	NITTAWADEKAR ROHIT JAYSING	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit
50	PANDHARE TATOBA SHIVAJI	Pandhare	Pandhare	Pandhare	Pandhare	Pandhare	Pandhare	Pandhare	Pandhare	Pandhare	Pandhare	Pandhare	Pandhare	Pandhare	Pandhare	Pandhare	Pandhare
51	PANHALKAR DANISH NIJAM	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP
52	PATIL ASHWINI SAMBHAJI	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
53	PATIL DHANARAJ RAJENDRA	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil	Patil
54	PATIL SALONI RAMDAS	SR Patil	SR Patil	SR Patil	SR Patil	SR Patil	SR Patil	SR Patil	SR Patil	SR Patil	SR Patil	SR Patil	SR Patil	SR Patil	SR Patil	SR Patil	SR Patil
55	RANE NITESH SURESH	Rane	Rane	Rane	Rane	Rane	Rane	Rane	Rane	Rane	Rane	Rane	Rane	Rane	Rane	Rane	Rane
56	RANE SUNITA RAJARAM	Rane	Rane	Rane	Rane	Rane	Rane	Rane	Rane	Rane	Rane	Rane	Rane	Rane	Rane	Rane	Rane
57	RHATWAL NIVEDITA RAJARAM	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR
58	SHINDE SAKSHI BALU	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
59	SUTAR BHAKTI VASANT	Sutar	Sutar	Sutar	Sutar	Sutar	Sutar	Sutar	Sutar	Sutar	Sutar	Sutar	Sutar	Sutar	Sutar	Sutar	Sutar
60	THOMBARE SHIVAJI LAXMAN	ST	ST	ST	ST	ST	ST	ST	ST	ST	ST	ST	ST	ST	ST	ST	ST





Dinakarrao K. Shinde Smarak Trust's
Dr. A. D. SHINDE COLLEGE OF ENGINEERING
Guddai, Bhadgaon, Gadhinglaj, Dist. Kolhapur



In Collaboration with



Certificate of Completion

This is to certify that Mr/Ms/Mrs **Patil Dhanaraj Rajendra** Class - Third Year
of Computer Science and Engineering, academic year 2024-2025, has successfully Completed 8 days
Masterclass training in Advanced Cybersecurity conducted by Leosias Technologies Belagavi
at Dr. A.D. Shinde College of Engineering, Bhadgaon, from 6th to 14th January 2025.

Principal
Dr. Dinkar V. Ghewade
Dr. A.D. Shinde College of Engineering, Gadhinglaj

Founder & CEO
Leosias Technologies Belagavi



Workshop
on
“Machine Learning”
Duration: 10th to 18th February 2025
Class: Third Year
Sem: VI





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DR.A. D. SHINDE COLLEGE OF ENGINEERING.

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502

Academic Year 2024-25

Department of Computer Science and Engineering



Date: 1/2/2025

NOTICE

All the third year students are hereby informed that a workshop on “**Machine Learning**” is organized by the Computer Science and Engineering department from 10th Feb 2025 to 18th Feb 2025. This workshop will cover key topics in Machine Learning, supervised learning, unsupervised learning, and reinforcement learning to identify patterns and make decisions. This workshop is a great opportunity to enhance your knowledge and skills in the field of Machine Learning. We look forward to your active participation.

Program Co-Ordinator


HOD

Prof. M. K. Hasabe

HOD

Computer Science & Engineering
Dr. A. D. Shinde College of Engineering
A/P. Bhadgaon, Tal. Gadhinglaj



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Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

Academic Year 2024-25

Department of Computer Science and Engineering



DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING

WORKSHOP ON
MACHINE LEARNING

Duration: 10th to 18th February 2025

Class: Third Year

Sem: VI

A.Y: 2024-2025

Evaluation Procedure

- ❖ Eligibility Criteria: Participant should have minimum 75% of attendance.
- ❖ Also participant will be evaluated on the basis of performance during the workshop by the expert.

Program Co-Ordinator



HOD
HOD

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Academic Year 2024-25

Department of Computer Science and Engineering



DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING

WORKSHOP ON
MACHINE LEARNING

Duration: 10th to 18th February 2025

Class: Third Year

Sem: VI

A.Y: 2024-2025

COURSE OUTCOME

1. Understand the basic concepts, types, and applications of machine learning
2. Analyze datasets and perform data preprocessing and feature engineering
3. Apply supervised learning algorithms for classification and regression problems
4. Use unsupervised learning techniques for clustering and pattern discovery
5. Evaluate machine learning models using appropriate performance metrics

Program Co-Ordinator

HOD
HOD

Computer Science & Engineering
Dr.A.D.Shinde College of Engineering
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Academic Year 2024-25

Department of Computer Science and Engineering



DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING

Duration: 10th to 18th February 2025

Class: Third Year

Sem: VI

A.Y: 2024-2025

SYALLABUS FOR WORKSHOP ON
MACHINE LEARNING

- 1. Introduction to Machine Learning**
Overview of machine learning, importance and applications, difference between AI, ML.
- 2. Python for Machine Learning**
Basics of Python programming, introduction to NumPy and Pandas, data handling and manipulation.
- 3. Data Preprocessing and Exploration**
Data collection, data cleaning, handling missing values, normalization.
- 4. Supervised Learning Techniques**
Linear regression and multiple regression, logistic regression, k-nearest neighbors (KNN), decision trees, and model training.
- 5. Unsupervised Learning Techniques**
Clustering concepts, K-means algorithm, hierarchical clustering, introduction to dimensionality reduction (PCA).

H. Kulkarni

Program Co-Ordinator



H. Kulkarni
HOD

Computer Science & Engineering
Dr.A.D.Shinde College of Engineer
A/P.Bhadgaon,Tal.Gadhinglaj



Dinkarrao K. Shinde Smarak Trusts

DR.A. D. SHINDE COLLEGE OF ENGINEERING.

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

Academic Year 2024-25

Department of Computer Science and Engineering



REPORT

The Department of Computer Science and Engineering, Dr. A. D. Shinde College of Engineering, Bhadgaon, successfully organized a **Workshop on “Machine Learning” for Third Year (Semester VI)** students during the **Academic Year 2024–25**. The workshop was conducted from **10th February 2025 to 18th February 2025** with the objective of introducing students to fundamental and practical aspects of Machine Learning.

The workshop began with an introduction to Machine Learning, highlighting its importance, real-world applications, and the differences between Artificial Intelligence and Machine Learning. Students were familiarized with the basic concepts and types of learning approaches. The sessions then progressed to **Python for Machine Learning**, where students learned Python basics along with the use of libraries such as NumPy and Pandas for data handling and manipulation.

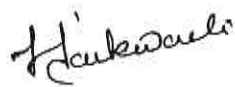
A significant part of the workshop focused on **Data Preprocessing and Exploration**, which included data collection techniques, data cleaning, handling missing values, and normalization methods. These sessions helped students understand the importance of data quality in building effective machine learning models.

The workshop further covered **Supervised Learning Techniques** such as linear regression, multiple regression, logistic regression, k-nearest neighbours (KNN), and decision trees. Students were guided through the concepts of model training and practical implementation. In addition, **Unsupervised Learning Techniques** like clustering, K-means algorithm, hierarchical clustering, and an introduction to dimensionality reduction using Principal Component Analysis (PCA) were explained in detail.



The workshop was conducted in an interactive manner, encouraging active student participation. Students were evaluated based on their **attendance (minimum 75%)** and **performance during the workshop**, as assessed by the expert. The workshop outcomes were aligned with the defined course outcomes, enabling students to understand machine learning concepts, analyze datasets, apply learning algorithms, and evaluate model performance.

Overall, the workshop was highly beneficial and enhanced students' technical knowledge and practical skills in Machine Learning. It provided a strong foundation for advanced learning and real-world problem-solving, making it a valuable academic initiative by the department.



Program Co-Ordinator



HOD

HOD

Computer Science & Engineering
Dr.A.D.Shinde College of Engineering
A/P.Bhadgaon, Tal.Gadhinglaj



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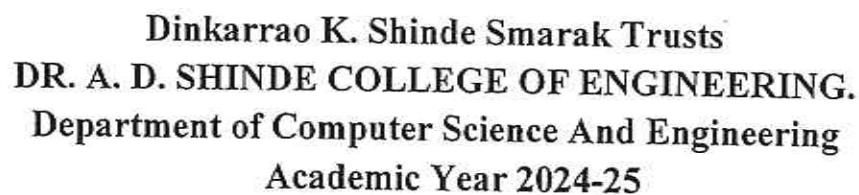
Academic Year 2024-25

Department of Computer Science and Engineering



WORKSHOP ON MACHINE LEARNING PHOTOS:





8 Days Workshop on Machine Learning

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20	Manasi R. Jadhav	M. Jadhav	M. Jadhav	M. Jadhav	M. Jadhav	M. Jadhav	M. Jadhav	M. Jadhav	M. Jadhav
21	Prachi P. Chavan	Prachi P. Chavan	Prachi P. Chavan	Prachi P. Chavan	Prachi P. Chavan	Prachi P. Chavan	Prachi P. Chavan	Prachi P. Chavan	Prachi P. Chavan
22	Sushama A. Tembugade	S. Tembugade	S. Tembugade	S. Tembugade	S. Tembugade	S. Tembugade	S. Tembugade	S. Tembugade	S. Tembugade
23	Sakshi B. Shinde	S. Shinde	S. Shinde	S. Shinde	S. Shinde	S. Shinde	S. Shinde	S. Shinde	S. Shinde
24	Vaishnavi V. Mane	M. Mane	M. Mane	M. Mane	M. Mane	M. Mane	M. Mane	M. Mane	M. Mane
25	Alfiya Javed Nade	N. Nade	N. Nade	N. Nade	N. Nade	N. Nade	N. Nade	N. Nade	N. Nade
26	Amruta Aranda Chougale	A. Chougale	A. Chougale	A. Chougale	A. Chougale	A. Chougale	A. Chougale	A. Chougale	A. Chougale
27	Varsha Balavant Kamble	V. Kamble	V. Kamble	V. Kamble	V. Kamble	V. Kamble	V. Kamble	V. Kamble	V. Kamble
28	Himani Sudhir Gharpade	H. Gharpade	H. Gharpade	H. Gharpade	H. Gharpade	H. Gharpade	H. Gharpade	H. Gharpade	H. Gharpade
29	Shruti V. Khandagale	S. Khandagale	S. Khandagale	S. Khandagale	S. Khandagale	S. Khandagale	S. Khandagale	S. Khandagale	S. Khandagale
30	Alankar S. Kamble	A. Kamble	A. Kamble	A. Kamble	A. Kamble	A. Kamble	A. Kamble	A. Kamble	A. Kamble
31	Rutika G. Kamalakar	R. Kamalakar	R. Kamalakar	R. Kamalakar	R. Kamalakar	R. Kamalakar	R. Kamalakar	R. Kamalakar	R. Kamalakar
32	Patoba S. Pandhore	P. Pandhore	P. Pandhore	P. Pandhore	P. Pandhore	P. Pandhore	P. Pandhore	P. Pandhore	P. Pandhore
33	Dhanaraj R. Patil	D. Patil	D. Patil	D. Patil	D. Patil	D. Patil	D. Patil	D. Patil	D. Patil
34	Rohit J. Nittawadekar	R. Nittawadekar	R. Nittawadekar	R. Nittawadekar	R. Nittawadekar	R. Nittawadekar	R. Nittawadekar	R. Nittawadekar	R. Nittawadekar
35	Rutik S. Kumbhar	R. Kumbhar	R. Kumbhar	R. Kumbhar	R. Kumbhar	R. Kumbhar	R. Kumbhar	R. Kumbhar	R. Kumbhar
36	Shweta S. Bandi	S. Bandi	S. Bandi	S. Bandi	S. Bandi	S. Bandi	S. Bandi	S. Bandi	S. Bandi
37	Prachi S. Chotha	P. Chotha	P. Chotha	P. Chotha	P. Chotha	P. Chotha	P. Chotha	P. Chotha	P. Chotha
38	Yajurvendra S. Desai-Patil	Y. Desai-Patil	Y. Desai-Patil	Y. Desai-Patil	Y. Desai-Patil	Y. Desai-Patil	Y. Desai-Patil	Y. Desai-Patil	Y. Desai-Patil
39	Shreenivas B. Gudavalekar	S. Gudavalekar	S. Gudavalekar	S. Gudavalekar	S. Gudavalekar	S. Gudavalekar	S. Gudavalekar	S. Gudavalekar	S. Gudavalekar
40	Saish Rajesh Uthekar	S. Uthekar	S. Uthekar	S. Uthekar	S. Uthekar	S. Uthekar	S. Uthekar	S. Uthekar	S. Uthekar
41	maul P. Kantilal Gunad	M. Gunad	M. Gunad	M. Gunad	M. Gunad	M. Gunad	M. Gunad	M. Gunad	M. Gunad
42	Jadhav saniket vikas	J. Vikas	J. Vikas	J. Vikas	J. Vikas	J. Vikas	J. Vikas	J. Vikas	J. Vikas
43	Amar Dadarabhai Jydale	A. Jydale	A. Jydale	A. Jydale	A. Jydale	A. Jydale	A. Jydale	A. Jydale	A. Jydale
44	Rushikesh sunesh Ichanehe	R. Ichanehe	R. Ichanehe	R. Ichanehe	R. Ichanehe	R. Ichanehe	R. Ichanehe	R. Ichanehe	R. Ichanehe



	Dinkarrao K. Shinde Smarak Trusts DR.A. D. SHINDE COLLEGE OF ENGINEERING. Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502 Academic Year 2024-25 Department of Electrical Engineering	
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DEPARTMENT OF ELECTRICAL ENGINEERING

VALUE ADDED COURSES

Sr.No	ACADEMIC YEAR	CLASS	NAME OF WORKSHOP	DATE & DURATION	STUDENT COUNT
1	2024-2025	TE	WORKSHOP ON ELECTRICAL DESIGN, ESTIMATION AND OSTEING OF WIRING SYSTEM.	24/6/2024 to 29/6/2024	18
		TE	WORKSHOP ON MASTERING SOLDERING AND LUG WIRING TECHNIQUES	05/01/2025 to 09/01/2025	32




HOD
 Dept. of Electrical Engg.
 Dr.A.D. Shinde College of Engg
 Bhadgaon, Tal. Gadhinglaj.

Workshop Report on
**Electrical Design, Estimation and Costing of Wiring System at
DADSCOE**

Submitted by

Dr. Vireshkumar G. Mathad
Associate Professor, Electrical Engineering Department
DADSCOE, Bhadgaon.

Submitted to

Dinkarrao K. Shinde Smarak Trusts

DR.A. D. SHINDE COLLEGE OF ENGINEERING.

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

Academic Year 2024-25

Department of Electrical Engineering



	Dinkarrao K. ShindeSmarak Trusts DR.A. D. SHINDE COLLEGE OF ENGINEERING. Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502 Department of Electrical Engineering Academic Year 2024-25	
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Workshop Report

Name of the Workshop: Electrical Design, Estimation and Costing of Wiring System

Date: 24/6/2024 to 29/06/2024

Inauguration Time: 24/6/2024 at 10.30 AM

Venue: Seminar hall DADSCOE

Name of the resource person: Dr. Vireshkumar



Acknowledgement

I express my sincere gratitude to **Prof. A. M. Deasi**, Head of the Department, Electrical Engineering, **Prof. Kishor Joshi** Vice-Principal and **DR. D. V. Ghewade**, Principal, Dr. A. D. Shinde College of Engineering, Bhadgaon for providing me an opportunity and infrastructure to undertake this workshop programme in the Electrical Engineering Department.

I would like to extend my sincere thanks to all the Students of Electrical Engineering and Electronics and Computer Science Engineering, DADSCOE, Bhadgaon for their participating during the workshop programme.

I would also like to extend my sincere thanks to all the faculty and non-teaching staff of Electrical Engineering, DADSCOE, Bhadgaon continuous support and encouragement.



Dr. Vireshkumar Mathad



INTRODUCTION

1.1 Organization Description.

Dr A D Shinde College of Engineering is established in 2014 under the umbrella of Dinkarrao K. Shinde Smarak Trust. The main motto behind establishment of Dr. A. D. Shinde College of Engineering is to help rural area students to gain technical knowledge with minimum fees. Adv. Shriatrao D. Shinde, Ex. MLA set upped the bench mark for rural students for gaining technical education on the name of his brother Late. Dr. A.D. Shinde and we are happy to inform institute is running with emerging technical departments which will give good opportunities for students and satisfy parents after their children's education. Institute is Approved by AICTE, New Delhi, DTE, Mumbai and affiliated to Shivaji University, Kolhapur and Recently Accredited by NAAC "B+" Grade for the period of five years and ISO 9001:2015 Accredited.

Vision of the Institute

To provide best quality education in the field of Engineering and Technology to the aspirants and serve the nation through developments of scientific, creative, trustworthy human asset.

Mission of the Institute

- M1: To meet engineering manpower needs for social, techno-economical development of region and nation
- M2: To contribute to knowledge through research and development.
- M3: To imbibe habits of creativity and innovation to generate IPRS.
- M4: To inculcate noble values of ethics, morality, integrity, and humanity.
- M5: To get global accreditation for all courses

Vision of the Department

To provide best education in Electrical Engineering and technology to the aspirants and serve the nation through development of innovative human asset.

Mission of the Department

- M1: to make the department of Electrical Engineering a preferable destination for admissions.
- M2: to provide quality Technical Education using modern tools in the field of Electrical



Engineering.

M3: to create competent and skilled Electrical Engineers who are able to handle Electric and Allied system.

M4: to make the department of Electrical Engineering learning and agile center to nurture the spirit of innovation, creativity and entrepreneurship among the students and the faculty members.

1.2 Estimating:

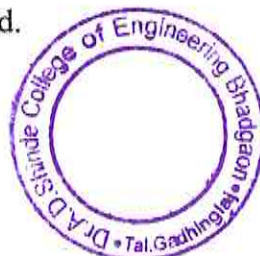
Estimating is an art of assessment of quantities of different items and cost thereof to plan the amount required for executing a work before actually carrying out the work.

The estimate is prepared to help in taking a right and definite decision while entering into a contract with any firm but does not in itself set up tender or contract. The functions of an estimator are so interconnected in various parts of estimating programme that it is difficult to outline them. In general, however, this can be listed under four headings:

1. Estimation of quantities of the material required and the cost involved.
2. Analysis of costs.
3. Maintaining proper records.
4. Providing selling aids.

1.3 Purpose of estimating and costing:

As per good management practices we must know the material required (with complete specifications and quantity of each item) and the cost to be incurred thereon before taking up any new program in hand. For this, it becomes necessary to prepare a complete project for the given program in hand. For this, it becomes necessary to prepare a complete project for the given program as it will act as a guide in the successful implementation of the program. The project report includes complete details of the work to be carried out such as detailed drawings of the work, complete details of the required materials with costing and the sequence of operations to be performed.



Estimating is also essential as it provides us an accurate assessment of the amount of money required, availability of material etc. In case any program is taken in hand and started without preparing project report and without estimating and costing, it will be difficult, rather impossible, to complete the work uninterruptedly because shortage of money and/or non-availability of materials may cause blockade at any stage.

The following facts (data) related to the estimate should be known to an estimator, while he prepares on estimate for internal wiring:

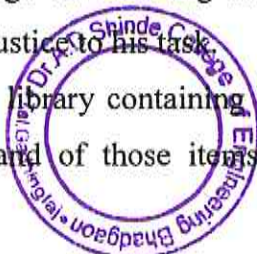
1. Complete specifications, giving the general scheme of the installation, type of wiring to be adopted and type and quality of materials to be used in it.
2. Complete schedule of the points to be wired for with their switches and fittings or alternatively details of whatever else relating to the estimate.
3. Plans and section marked with details, at least with the positions of main switchgear and distribution boards.
4. Other information about other factors affecting the costing of an estimate such as state and construction of the building, the distance of the job from the main office, time available to complete the job, (whether it is to be finished in very short time requiring overtime or normal time or it is to be spread over a long period, whether it requires special supervision or special tools, type of workmen available and the conditions and weather in which job is to be carried out.)

Before accepting or offering tender or to decide the terms of contracts, it is necessary that estimate must be prepared reaching to an approximate cost of the job. Every organization, even medium sized one, have separate department of estimating. The person preparing the estimate is known as an *estimator*.

Bearing in mind that tenders and firm contracts are based upon the estimates i.e. the work of the estimator, to achieve work orders and to avoid losses it is necessary that estimate should be prepared as accurate as possible. If guess work is made to work out the cost of the job, then, there is a possibility either of quoting too high prices resulting in no order or of quoting too low prices resulting in heavy losses instead of profit.

The estimator should have knowledge far reaching and his statements must be based on reliable evidences if he wants to do justice to his task.

The estimator must build himself a library containing catalogues and price lists of all the products of his own organization and of those items or goods, which are likely to be



associated with his work. He should pay continual attention to keep prices and other related information up-to-date.

Besides this, he must understand production cost including labour and material of his own organization products as well as the discounts permissible on outside purchases in order to work out profit.

There is only one sure logical method of estimating for electrical works and that is to ascertain the quantities involved accurately, price them at net cost, provide overhead charges in order to arrive at a total cost representing the true dividing line between a certain loss and possible profit.

1.4 Introduction to Electrical Installation Estimating & Costing of the Resident.

House/Resident electrical wiring is a process of connecting different accessories for the distribution of electrical energy from the supplier to various appliances and equipment at home like Television, Lamps, Air conditioners, etc.

Estimating is an art of assessment of quantities of different items and cost thereof to plan the amount required for executing a work before actually carrying out the work. In general, however, functions of an estimator can be listed under four headings :

1. Estimation of quantities of the material required and the cost involved.
2. Analysis of cost.
3. Maintaining proper records.
4. Providing selling aids.

Purpose of Estimating and Costing.

1. Estimates provide an rough idea of the cost of the job and therefore its feasibility can be calculated, i.e. whether or not the project would be included in the funds available.
2. Estimate gives an idea of the time needed to complete the work.
3. Estimates are required to invite tenders and quotations and to arrange the contracts.
4. Estimates are also required to control expenditure during the execution of the work.
5. Estimates decide whether or not proposed plan matches the funds available.

The following facts (data) related to the estimate should be known to an estimator, while he prepares an estimate for internal wiring :

1. Complete specifications, giving the general scheme of the installation, type of wiring to be adopted and type and quality of materials to be used in it.



2. Complete schedule of the points to be wired for with their switches and fitting or alternatively details of whatever else relating to the estimate.
3. Plans and sections marked with details, at least with the positions of main switchgear and distribution boards.
4. Other information about other factors affecting the cost of an estimate such as state and construction of the building, the distance of the job from the main office, time available to complete the job.

1.5 Objectives:

1. To satisfy the user's needs and requirements, while coordinating the various components, such as lighting, heating, and other systems, always complying with protection and safety standards.
2. A good electrical wiring system doesn't only need to fulfill the purpose for which it was installed, but must feature a very high level of safety, quality, and flexibility, that will allow an easy maintenance in time, while guaranteeing a continuous and reliable power supply.
3. Reliability of a well-functioning electrical wiring system.



Inauguration function:



Practical Working Images



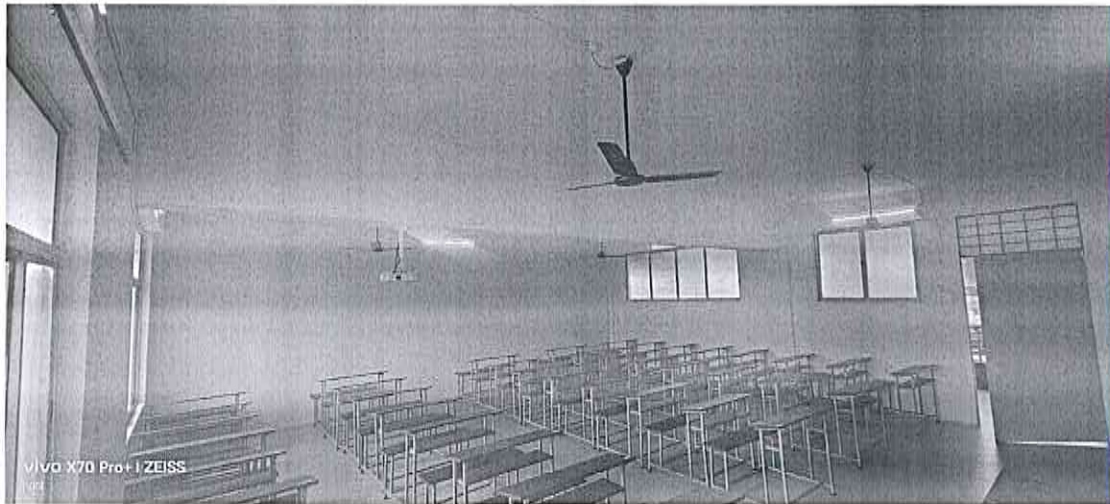
Before Image



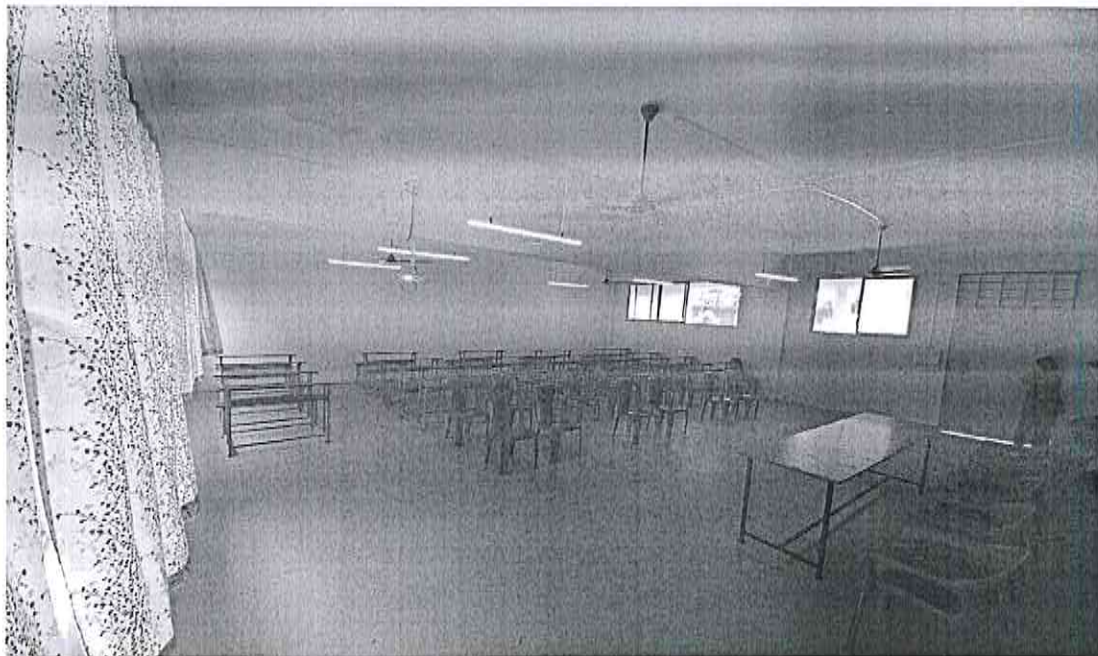
After Image



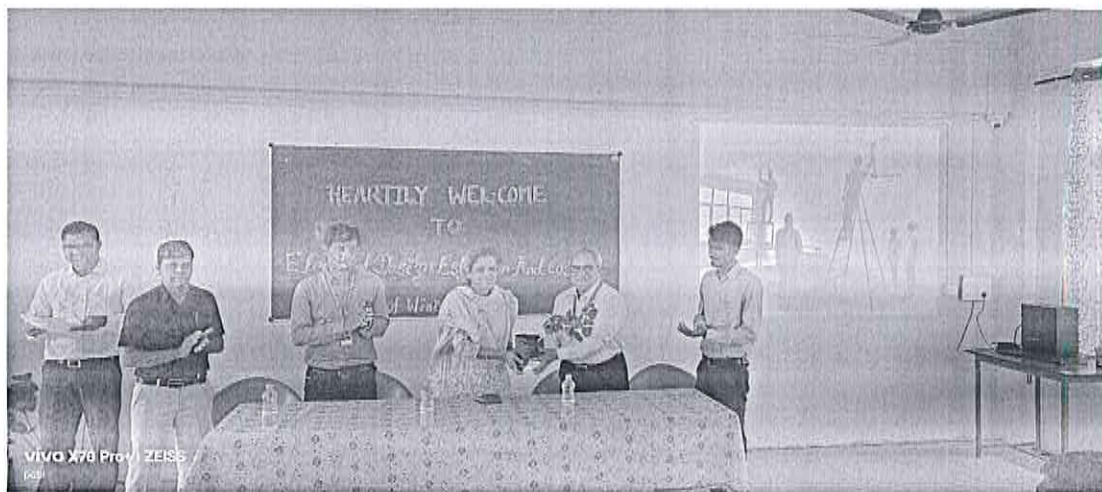
Before Image



After Image



Inauguration function of Workshop



Workshop on
“Electrical Design, Estimation and Costing of Wiring System at DADSCOE” from
24/06/2024 to 29/06/2024

Students Attendee

Dinkarrao K. Shinde Smarak Trust DR. A. D. SHINDE COLLEGE OF ENGINEERING. Bhadgaon, Gadhinglaj, Dist. Kolhapur Pin-416502 Department of Electrical Engineering									
S. No.	Name of the student	PRN	Signature of the student						
			24/6/24	25/6/24	26/6/24	27/6/24	28/6/24	29/6/24	
1	Khairnade Ravikhan Rishabh	2023071374							
2	Pradipal Chavale (ECS)	2023078159							
3	Rohit Kumbale (EE)	2023085171							
4	Dnyaneshwari Patil (ECS)	2023078355							
5	Godase Karuna Tukaram	2023072910							
6	Shivanand M. Mujgonda (ECS)	2023077171							
7	Kishi M. Tangadi (EE)	2023076207							
8	Shravan S. Patil (EE)	2022078860							
9	Aniket R. Ayane (EE)	2022078626							
10	Hritik D. Jadhav	2022078788							
11	Dang Vinay V	2022078761							
12	Vinay Anil Ketawase	2023078625							
13	Tejaswini T. Patil (ECS)	2023077501							
14	Saimulahi S. Jayale (EE)	2023077489							
15	Manali P. Moture ECS	2023077902							
16	Aftab M. Mullu (ECS)	2023077130							
17	Rudraj C. Patekar (ECS)	2023083168							
18									

Sample Certificate

Dinkarrao K. Shinde Smarak Trust, Gadhinglaj

Dr. A. D. SHINDE COLLEGE OF ENGINEERING

A/p: Bhadgaon, Tal: Gadhinglaj, Dist: Kolhapur Maharashtra-416502

Accredited by NAAC B+

CERTIFICATE

This is to Certify that

Mr/ Miss. Tejaswini T. Patil class TY

from Department of Electronics & Computer Engineering

has participated in Electrical Design, Estimation & Costing of Electrical Wiring System workshop

held on dated 24/06/2024 to 29/06/2024.

 Coordinator

 HOD

 PRINCIPAL

	Dinkarrao K. ShindeSmarak Trusts DR.A. D. SHINDE COLLEGE OF ENGINEERING. Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502 Department of Electrical Engineering Academic Year 2024-25	
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Workshop Account Details

S.No.	Money spent details	Amount spent	Reason
1	Electrical casing capping Materials, board cutting etc.	196	Wiring
2	Wire 1 Sq mm, flexible wire, screws	3576	Wiring
	Wiring materials	1744	Class room ambience
3	Boars, pipe,	515	Class room ambience
4	Curtains	2094	Class room ambience
	GRAND TOTAL	8125/-	

Contributions

S.No.	Money spent details	Amount spent
1	ESA Association	40000
3	From College	4125
	GRAND TOTAL	8125/-



Dr. Vireshkumar mathad
Coordinator



Dr. D. V. Ghewade
Principal





Dinkarrao K. Shinde Smarak Trusts
DR. A. D. SHINDE COLLEGE OF ENGINEERING.
Bhadgaon, Gadhinglaj, Dist: Kolhapur Pin:416502
Academic Year 2024-25
EE, ECS and IIC



Mastering Electrical Soldering and Lug Wiring Techniques: A Hands-on Workshop

Name of the Workshop: Mastering Electrical Soldering and Lug Wiring Techniques: A Hands-on Workshop

Association: Conducted in association with in Electrical Students Association (EESA), EED Electronics and Computer Science Students Association (ECSA), ECSD and Institution Innovation Council (IIC)

Date: 05/01/2025 to 09/01/2025

Time: 10.00AM to 4.30PM

Venue: Basic Electrical Engineering Laboratory, DADSCOE, Bhadgaon

Name of the resource persons: Dr. Vireshkumar G. Mathad

Number of Participants: Students=30 No.

Dr. Vireshkumar G. Mathad
Coordinator, IP Cell



Dr. D. V. Ghewade
Principal

Copy to: IIC, DADSCOE

	Dinkarrao K. Shinde Smarak Trusts DR. A. D. SHINDE COLLEGE OF ENGINEERING. Bhadgaon, Gadhinglaj, Dist: Kolhapur Pin:416502 Academic Year 2024-25 EE, ECS and IIC	
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Brief about the workshop

This workshop is a unique opportunity designed to provide participants with a practical understanding of **Electrical soldering** and **lug wiring techniques**. Organized in collaboration with the **Electrical Students Association (EESA)**, **Electronics and Computer Science Students Association (ECSA)**, and the **Institution Innovation Council (IIC)**, the event focuses on building foundational skills essential for electrical engineering professionals and enthusiasts.

- Gain proficiency in **soldering techniques** used in circuit assembly.
- Learn the correct procedures and best practices for **lug wiring** in electrical connections.
- Understand the safety measures and standards crucial for effective electrical work.



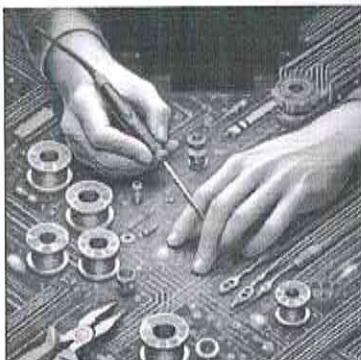
	Dinkarrao K. Shinde Smarak Trusts DR. A. D. SHINDE COLLEGE OF ENGINEERING. Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502 Academic Year 2024-25 EE, ECS and IIC	
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Photo Images:





Mastering Electrical Soldering and Lug Wiring Techniques: A Hands-on Workshop



In association with
Electrical Engineering Students Association
(EESA), EED.

Electronics and Computer Science Students
Association (ECSA), ECSD.

Institution Innovation Council (IIC)

Date: 5/1/2025 to 9/1/2025 Time : 10.00AM to 4.00PM Venue: Basic Electrical Engineering Laboratory

Inauguration function

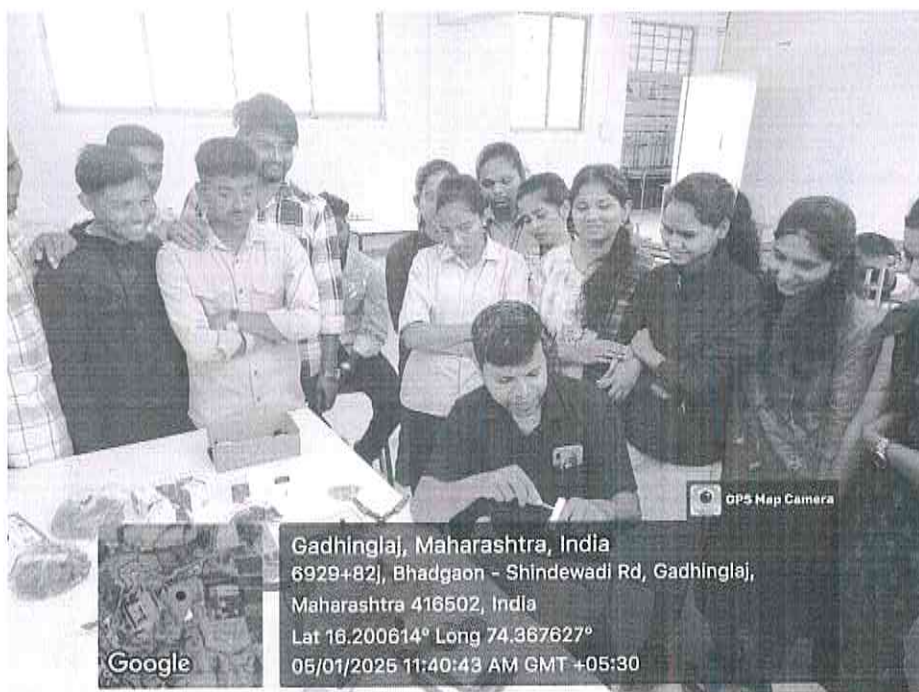




Dinkarrao K. Shinde Smarak Trusts
DR. A. D. SHINDE COLLEGE OF ENGINEERING.
Bhadgaon, Gadhinglaj, Dist: Kolhapur Pin:416502
Academic Year 2024-25
EE, ECS and IIC



Session 1





Dinkarrao K. Shinde Smarak Trusts
DR. A. D. SHINDE COLLEGE OF ENGINEERING.
Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502
Academic Year 2024-25
EE, ECS and IIC



Session 2:





Dinkarrao K. ShindeSmarak Trusts

DR.A. D. SHINDE COLLEGE OF ENGINEERING.

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

Department of Electrical Engineering

Academic Year 2024-25



Date:21/12/2024

From,
Dr. Vireshkumar G. Mathad
Associate Professor,
Department of Electrical Engineering,
DADSCOE, Bhadgaon.

To,
The Principal
DADSCOE, Bhadgaon

Respected Sir,
Subject: Regarding permission to conduct workshop.

With respect to above cited subject, department of Electrical Engineering in association with Electrical Students Association (EESA) and Institution Innovation Council (IIC) has planned to conduct workshop on **“Mastering Electrical Soldering and Lug Wiring Techniques: A Hands-on Workshop”** for EE and ECS students. We propose to conduct the workshop in the month of Jan. 2025. Kindly grant your approval to proceed with the necessary arrangements.

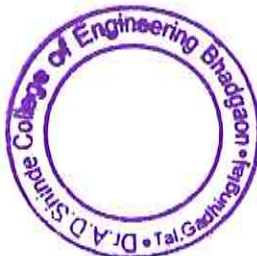
This is for your kind information and approval.

Thanking you

Yours faithfully

(Dr. Vireshkumar G. M.)

Permitted
21/12/24.





DR.A. D. SHINDE COLLEGE OF ENGINEERING.

Bhadgaon, Gadhinglaj, Dist: Kolhapur Pin:416502

Academic Year 2024-25

Department of Electrical Engineering



Electrical Engineering Department

Attendance Sheet

[illegible]



Dinkarrao K. Shinde Smarak Trusts

DRA. D. SHINDE COLLEGE OF ENGINEERING.

Bhadgaon, Gadhinglaj, Dist: Kolhapur Pin: 416502

Academic Year 2024-25

Department of Electronics and Computer Science



Electronics and Computer Science Department

Attendance Sheet

Sl. No	PRN Number	Name of Students	Signature
1	2023037932	Ritesh Ramesh Jondhale	Rondhale
2	2023037266	Samiksha. Suhag Kolekar	Kolekar
3	2023037099	Swapnil Babaso Patil	Patil
4	2024066982	Prathamesh Prakash Pedonekar	Pedonekar
5	2023038084	Harshad Vilas Kasalkar	Kasalkar
6	2023038765	Sahil Shivaji Moramble	Sahil
7	2023038382	Saavesh Santosh Desai	Desai
8	202406537	Sweta Ganpatrao Hodage	Sweta Hodage
9	2024065769	NIKHITA Balu waingade	Nikhita
10	2024065791	Pooja Ashok Ingavale	Ingavale
11	2024067528	Shraddha Dayanand Patil	Patil
12	2024066844	Prachi Sanjay Rane	Rane
13	2024064197	Omkar M Patil	Omkar
14	2024064866	Pranod T. Patil	Pranod
15	2023077974	Ravikiran Rajendra Khairmode	Khairmode
16	2024065087	Azjun J. Bongarde	Bongarde
17	2023078359	Pratibha P. Chavale	Chavale
18	2023077964	Ganiya B. Jagdale	Jagdale
19	2023077993	Ankita R. Kharade	Kharade



DINKARRAO K. SHINDE SMARAK TRUST'S

DR.A.D.SHINDE COLLEGE OF ENGINEERING

Bhadgaon Gadhinglaj Dist-Kolhapur (MH)

(Approved By AICTE, Recognized by DTE Mumbai, Affiliated to Shivaji University Kolhapur)



This is to certify that Mr./Miss./Mrs Prajwal P. Chougule

_____ has successfully participated in the Faculty
Development Program (FDP) / Workshop on Mastering Electrical Soldering and Lug
Wiring Techniques

_____ organized by Dr. A. D. Shinde College of
Engineering, held on 05/01/2025 to 09/01/2025


**Event
Co-Ordinator**




**Principal
DADSCOE**



Dinkarrao K. Shinde Smarak Trusts

DR.A. D. SHINDE COLLEGE OF ENGINEERING.

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

Academic Year 2024-25

Department of Electronics and Computer Science



**DEPARTMENT OF
ELECTRONICS AND COMPUTER SCIENCE
VALUE ADDED COURSES**

Sr.No	ACADEMIC YEAR	CLASS	NAME OF WORKSHOP	DATE & DURATION	STUDENT COUNT
1	2024-2025	TE	Internet of Things	30/12/2024 to 03/01/2025	30
		TE	Python programming	3/3/2025 to 8/3/2025	30

Boond

HOD

HOD

Electronics & Computer Science
Dr.A.D.Shinde College of Engineering
A/P.Bhadgaon, Tal.Gadhinglaj



Workshop
on
“Internet of Things”
Duration: 30/12/2024 to 3/1/2025
Class: Third Year
Sem: VI





Dinkarrao K. Shinde Smarak Trusts

DR. A. D. SHINDE COLLEGE OF ENGINEERING.

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

Academic Year 2024-25

Department of Electronics & Computer Science

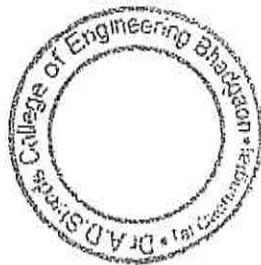


Date: 27/12/2024

NOTICE

All the students of Third year B. Tech are hereby informed that department is going to organize 5 days workshop on Internet of Things from 30/12/2024 to 03/01/2025 at DADSCOE seminar hall. Kindly attend the workshop without fail.

Reporting Time: 10:00 am



Band

HOD

Electronics & Computer Science
Dr.A.D.Shinde College of Engineering
A/P.Bhadgaon, Tal.Gadhinglaj





Dinkarrao K. Shinde Smarak Trusts

DR. A. D. SHINDE COLLEGE OF ENGINEERING.

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

Academic Year 2024-25

Department of Electronics & Computer Science



To,
The Principal,
DADSCOE, Bhadgaon.

Subject: Request for Permission to organize a 5 days' workshop on Internet of Things.

Respected Sir,

I am writing to seek your permission to organize a 5-day workshop on "Internet of Things" scheduled to take place from 30/12/2024 to 03/01/2025 at DADSCOE seminar hall. The objective of this workshop is to provide our students with an opportunity to enhance their skills in Internet of Things and gain practical knowledge through expert session and hands on activities.

I kindly request your approval to organize this workshop and the necessary arrangements for the event.

Thanking You,

Registrar
Students will be charged fee of Rs 2000/- . The expenses for the college may be around 30000/- Put up the proposal with Hon Secretary for consideration & sanction
[Signature]
27/12/24



Band
HOD
Electronics & Computer Science
Dr.A.D.Shinde College of Engineering
A/P.Bhadgaon,Tal.Gadhinglaj



Dinkarrao K. Shinde Smarak Trusts

DR.A. D. SHINDE COLLEGE OF ENGINEERING.

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

Academic Year 2024-25

Department of Electronics and Computer Science



DEPARTMENT OF
ELECTRONICS AND COMPUTER SCIENCE

WORKSHOP ON
Internet of Things

Duration: 30/12/2024 to 3/1/2025

Class: Third Year

Sem: VI

A.Y: 2024-2025

Evaluation Procedure

- ❖ Eligibility Criteria: Participant should have minimum 75% of attendance.
- ❖ Also participant will be evaluated on the basis of performance during the workshop by the expert.



Program Co-Ordinator





HOD

HOD

Electronics & Computer Science
Dr.A.D.Shinde College of Engineering
A.P.Bhadgaon, Tal.Gadhinglaj



Dinkarrao K. Shinde Smarak Trusts

DR.A. D. SHINDE COLLEGE OF ENGINEERING.

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

Academic Year 2024-25

Department of Electronics and Computer Science



DEPARTMENT OF
ELECTRONICS AND COMPUTER SCIENCE

Duration: 30/12/2024 to 3/1/2025

Class: Third Year

Sem: VI

A.Y: 2024-2025

SYALLABUS FOR WORKSHOP ON
Internet of Things

Internet of Things

Day 1: Introduction to IoT

- Overview of IoT
- IoT applications in smart cities, healthcare, industry
- IoT architecture and basic concepts

Day 2: Sensors and Controllers

- Types of sensors and actuators
- Introduction to Arduino / ESP microcontrollers
- Interfacing basic sensors

Day 3: IoT Communication and Networking

- IoT communication protocols
- Basics of networking for IoT
- Data transmission concepts



Day 4: Cloud Platforms and Data Visualization

- Introduction to IoT cloud platforms
- Data storage and visualization
- Simple IoT data monitoring

Day 5: Mini Project and Demonstration

- Design of simple IoT-based project
- Project implementation
- Demonstration and interaction

5. Outcomes of the Program

- Students understood core concepts of IoT
- Ability to interface sensors and microcontrollers
- Knowledge of IoT communication and cloud platforms
- Development of simple IoT-based applications
- Enhanced practical and problem-solving skills


Program Co-Ordinator




HOD
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Electronics & Computer Science
Dr.A.D.Shinde College of Engineering
A/P.Bhadgaon,Tal.Gadhinglaj



Dinkarrao K. Shinde Smarak Trusts

DR.A. D. SHINDE COLLEGE OF ENGINEERING.

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

Academic Year 2024-25

**Department of Electronics and Computer
Science**



DEPARTMENT OF
Electronics and Computer Science

WORKSHOP ON
Internet of Things

Duration: 30/12/2024 to 3/01/2025

Class: Third Year

Sem: VI

A.Y: 2024-2025

COURSE OUTCOME

- 1: Understand the fundamentals of IoT architecture, components, and communication models.**
- 2: Identify and interface basic sensors and actuators used in IoT systems.**
- 3: Apply microcontroller or development boards (Arduino / ESP / Raspberry Pi) for IoT applications.**
- 4: Implement wired and wireless communication protocols such as UART, I2C, SPI, Wi-Fi, and Bluetooth.**
- 5: Develop simple IoT applications for data acquisition, cloud integration, and remote monitoring.**

Program Co-Ordinator



HOD

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Dr.A.D. Shinde College of Engineering

Bhadgaon, Gadhinglaj



Dinkarrao K. Shinde Smarak Trusts
DR. A. D. SHINDE COLLEGE OF ENGINEERING.
Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502
Academic Year 2024-25
Department of Electronics & Computer Science

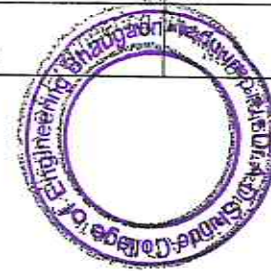


Attendance for 5 days workshop on Internet of Things

Sr. No	Name of the students	30/12/24	31/12/24	01/01/25	02/01/25	03/01/25
1	Tejaswini Tanaji Patil	Patil	Patil	Patil	Patil	Patil
2	Manali Parasharam Moture	Mature	Mature	Mature	Mature	Mature
3	Vishwajit. M. Salunkhe	V.M.Salunkhe	V.M.Salunkhe	V.M.Salunkhe	V.M.Salunkhe	V.M.Salunkhe
4	Khairmode Ravikiran Rajendra	Rajendra	Rajendra	Rajendra	Rajendra	Rajendra
5	Pranjal Prakash Chougale	Chougale	Chougale	Chougale	Chougale	Chougale
6	Sanket Bandopant Chindake	Chindake	Chindake	Chindake	Chindake	Chindake
7	Sambhaji Pandurang Chougale	Chougale	Chougale	Chougale	Chougale	Chougale
8	Nikhil Huvani Mugalihaikar	Nikhil	Nikhil	Nikhil	Nikhil	Nikhil
9	Rutuja Chandekant Padekar	Padekar	Padekar	Padekar	Padekar	Padekar
10	Karuna Tukaram Godase	Godase	Godase	Godase	Godase	Godase
11	Vishwajit. Salunkhe	V.M.Salunkhe	V.M.Salunkhe	V.M.Salunkhe	V.M.Salunkhe	V.M.Salunkhe

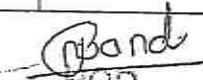


12	Sakshi Pandurang Jadhav		<u>Sadhav</u>	<u>Sadhav</u>	<u>Sadhav</u>	
13	Anrika Rajendra Chougule		<u>Ch</u>	<u>Ch</u>	<u>Ch</u>	
14	Dnyaneshwari Dilip Patil		<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>
15	Somnuddhi Sakharam Jagavale		<u>Som</u>	<u>Som</u>	<u>Som</u>	<u>Som</u>
16	Sambharaji Pandurang Chougale		<u>Ch</u>			
17	Shubhangi Chandrakant Karmal		<u>Karmal</u>	<u>Karmal</u>	<u>Karmal</u>	<u>Karmal</u>
18	Nikhil Huvani Muguliphalakar		<u>Nikhil</u>			
19	Diksha Namdev Sutar		<u>Diksha</u>			
20	Prachi Sanjay Rane			<u>PrRane</u>	<u>PrRane</u>	
21	Shraddha Dayanand Patil			<u>Patil</u>	<u>Patil</u>	
22	Megha Bhikaji Hule			<u>Hule</u>		
23	Vrushali Amar Malvi			<u>Malvi</u>		
24	Sweta Ganpatrao Hodage			<u>Hodage</u>		
25	Nikita Balu Waingade			<u>Wain</u>		
26	Pooja Ashok Ingole			<u>Ingole</u>		
27	Aijun Jaywant Bongarde			<u>Bongarde</u>	<u>Bongarde</u>	<u>Bongarde</u>
28	Gaurav Jaywant Bharankar			<u>Bharankar</u>	<u>Bharankar</u>	
29	Harshad Vilas Kasalkar			<u>Kasalkar</u>	<u>Kasalkar</u>	



30	Sarvesh Desai			Desai	Desai	
31	Omkar M Patil			Patil	Patil	Patil
32	Vikram A Kutte			Kutte		
33	Sahil S Horamble			Sahil	Sahil	
34	Gundurav S Goral			Goral		
35	Samiksha S Kolekar			Kolekar	Kolekar	
36	Vrushali H Divate			Divate	Divate	
37	Ritesh R Jondhale			Rondhale	Rondhale	
38	Rahul R Jadhav			PJadhav	PJadhav	
39	Prathamesh P. Pedaneekar				Behnekar	Behnekar
40						
41						
42						
43						
44						
45						
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47						




 Prasad
 HOD
 Electronics & Computer Science
 Dr.A.D.Shinde College of Engineering
 A.P.Bhedgaon, Dist.Solapur, Maharashtra



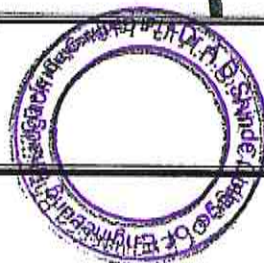
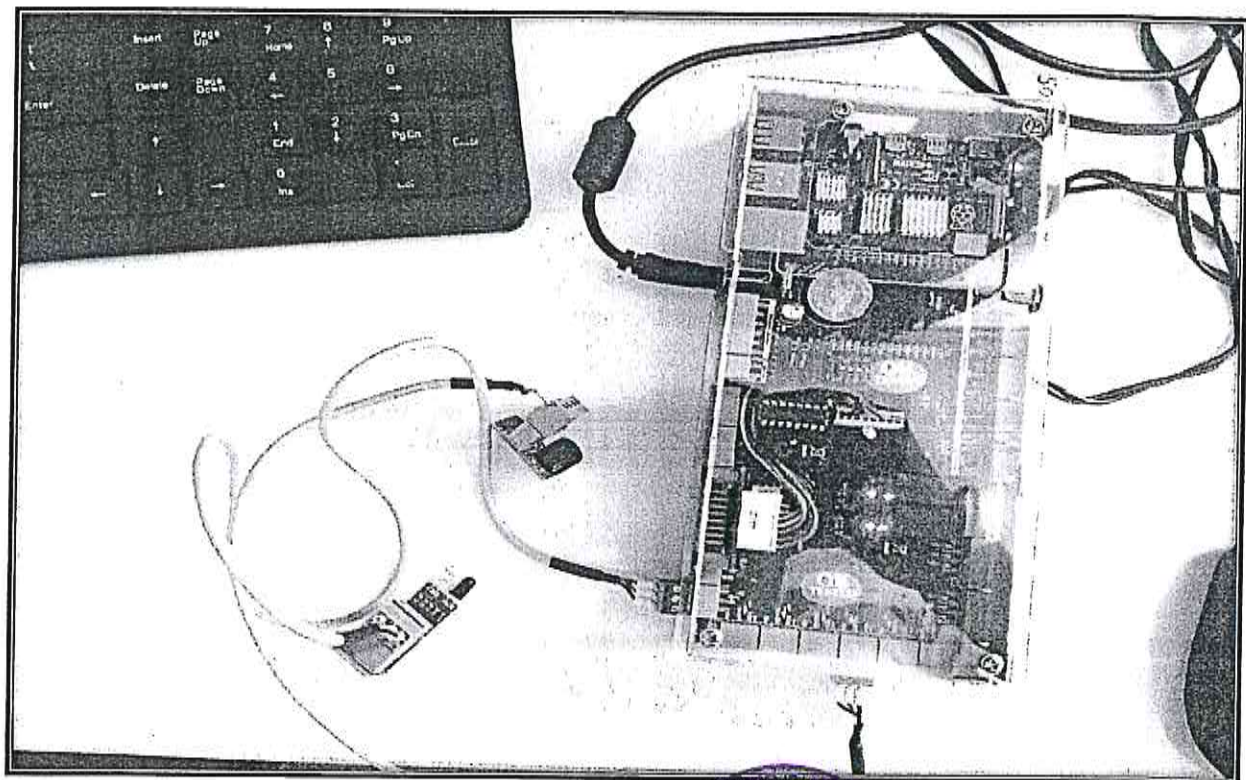
Lightening of Lamp





Practical Session





Workshop
on
“Python Programming”
Duration: 3/3/2025 to 8/3/2025 2025
Class: Third Year
Sem: VI





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Academic Year 2024-25
Department of Electronics and Computer Science



Date: 01/03/2025

NOTICE

All the student of Third Year B. Tech are hereby informed that department is organizing "Skill Enhancement Add-on Course on Python Programming" from 3rd March 2025 to 8th March 2025. All concerned students are informed to attend the same without fail.

Reporting time: 10:00 am

Venue: Programming Lab.



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Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

Academic Year 2024-25

Department of Electronics And Computer Science



DEPARTMENT OF
Electronics And Computer Science

WORKSHOP ON
Python programming

Duration: 3rd March 2025 to 8th March 2025

Class: Third Year

Sem: VI

A.Y: 2024-2025

Evaluation Procedure

- ❖ Eligibility Criteria: Participant should have minimum 75% of attendance.
- ❖ Also participant will be evaluated on the basis of performance during the workshop by the expert.



Program Co-Ordinator





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Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

Academic Year 2024-25

Department of Electronics And Computer Science



DEPARTMENT OF
ELECTRONICS AND COMPUTER SCIENCE

Duration: 3rd March 2025 to 8th March 2025

Class: Third Year

Sem: VI

A.Y: 2024-2025

SYALLABUS FOR PYTHON PROGRAMMING

❖ Python Programming

Day 1: Introduction to Python

- Overview of Programming & Python
- Features and applications of Python
- Installation of Python & IDE (Anaconda / IDLE / VS Code)
- Python syntax, keywords, variables
- Input and Output statements
- Hands-on: Basic programs

Day 2: Data Types and Operators

- Built-in data types (int, float, string, boolean)
- Type conversion
- Operators (Arithmetic, Relational, Logical)
- Expressions and precedence
- Hands-on: Simple calculations & programs

Day 3: Control Statements

- Conditional statements (if, if-else, nested if)
- Looping (for, while)
- Loop control (break, continue, pass)
- Hands-on: Pattern printing & logic building programs



Day 4: Functions and Data Structures

- Functions (definition, arguments, return values)
- Lambda functions
- Lists, Tuples, Sets
- Dictionaries
- Hands-on: Programs using functions & data structures

Day 5: File Handling and Exception Handling

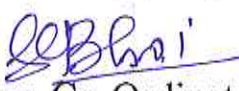
- File operations (read, write, append)
- Working with text files
- Exception handling (try, except, finally)
- Common runtime errors
- Hands-on: File-based programs

Day 6: OOP Concepts & Mini Project

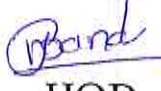
- Introduction to OOP
- Classes and Objects
- Constructors
- Inheritance and Polymorphism
- Mini Project development
 - Student Management System / Simple Automation
- Project demonstration & feedback

Workshop Outcomes

- Understand Python fundamentals
- Develop logic using Python
- Write structured programs
- Apply OOP concepts
- Build a small real-world application


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Bhadgaon, Gadhinglaj, Dist: Kolhapur Pin:416502

Academic Year 2024-25

**Department of Electronics and Computer
Science**



DEPARTMENT OF
Electronics and Computer Science

WORKSHOP ON
Python Programming

Duration: 3/3/2025 to 8/3/2025

Class: Third Year

Sem: VI

A.Y: 2024-2025

COURSE OUTCOME

- 1: Understand the fundamentals of Python programming, including syntax, variables, data types, and operators.**
- 2: Apply conditional statements and looping constructs to solve basic programming problems.**
- 3: Develop modular programs using functions, lists, tuples, dictionaries, and strings.**
- 4: Implement file handling and exception handling techniques for real-world applications.**
- 5: Utilize Python libraries such as NumPy and Matplotlib for basic data analysis and visualization.**

Pr. Bh.oi

Program Co-Ordinator



Pr. Band

HOD

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Electronics & Computer Science
Dr.A.D.Shinde College of Engineering
A/P,Bhadgaon,Tal.Gadhinglaj





Dinkarrao K. Shinde Smarak Trusts
Dr. A. D. Shinde College of Engineering, Bhadgaon.
Department of Electronics & Computer Science

Organized
Skill Enhancement Add-on Course on Python Programming
For B. Tech - VI Sem Students



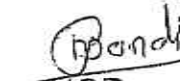
Attendance

Sr. No	Name of student	Date					
		3/3/2025	4/3/2025	5/3/2025	6/3/2025	7/3/2025	8/3/2025
1	Ravikiran Rajendra Khairmode	Pkh	Pkh	Plkh	Plkh	Plkh	Pkh
2	Aftab Mehabub mulla	Amu	Amu	Amu	Amu	Amu	Amu
3	Karuna Tukaram Godare	Ka	Ka	Ka	Ka	Ka	Ka
4	Tejaswini Tanaji Patil	Tah	Tah	Tah	Tah	Tah	Tah
5	Manali Parasharam Moture	Mhu	Mhu	Mhu	Mhu	Mhu	Mhu
6	Dnyaneshwari Dilip Patil	Dhah	Dhah	Dhah	Dhah	Dhah	Dhah
7	Rutuja chandekant Padekar	Rch	Rch	Rch	Rch	Rch	Rch
8	Somudhhi Sakharan Ingavale	San	San	San	San	San	San
9	Amol Arvind Patil	Apah	Apah	Apah	Apah	Apah	Apah
10	Anjali Sagari Nikam	Anah	Anah	Anah	Anah	Anah	Anah
11	vishwajit. Manasing salunkhe patil	Vmsh	Vmsh	Vmsh	Vmsh	Vmsh	Vmsh
12	Swarnap Pandurang Jadhav	Sw	Sw	Sw	Sw	Sw	Sw
13	Prajwal Prakash Chavhan	Pch	Pch	Pch	Pch	Pch	Pch
14	Sanket Bhandarpant Chindake	Sch	Sch	Sch	Sch	Sch	Sch



Sr. No	Name of Student	Date					
		3/3/2025	4/3/2025	5/3/2025	6/3/2025	7/3/2025	8/3/2025
15	Nikhil Huvani Muga lhalikar.	NHM	NHM	NHM	NHM	NHM	NHM
16	Amit Jangar Chavan	Am	Am	Am	Am	Am	Am
17	Gautami Arjun Platale	gpr	gpr	gpr	gpr	gpr	gpr
18	Snehal Shikant Divtankar	Sivdankar	Sivdankar	Sivdankar	Sivdankar	Sivdankar	Sivdankar
19	Sakshi Anil Patil	Sak	Sak	Sak	Sak	Sak	Sak
20	Sambhaji pandurang chougale	SP	SP	SP	SP	SP	SP
21	Shweta sandip sate	sm	sm	sm	sm	sm	sm
22	Udika krushnat Tel	Utel	Utel	Utel	Utel	Utel	Utel
23	Rahul Basavaraj Amate	Ra	Ra	Ra	Ra	Ra	Ra
24	Rohit Pralup Patil	Rp	Rp	Rp	Rp	Rp	Rp
25	Sandesh Rajendra Rakatade	Sr	Sr	Sr	Sr	Sr	Sr
26	Prathamesh Pandurang Patil	Pp	Pp	Pp	Pp	Pp	Pp
27	Aswini Subarao patil	As	As	As	As	As	As
28							
29							
30							




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	Dinkarrao K. Shinde Smarak Trusts DR. A. D. SHINDE COLLEGE OF ENGINEERING Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502 Academic Year 2024-25 Department of Mechanical Engineering	
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DEPARTMENT OF MECHANICAL ENGINEERING

VALUE ADDED COURSES

S.No	ACADEMIC YEAR	CLASS	NAME OF THE WORKSHOP	DATE & DURATION	STUDENT COUNT
1	2024-25	TE, BE	WORKSHOP ON ADDITIVE MANUFACTURING (3-D PRINTING)	13 th to 18 th January 2025	71
		SE	WORKSHOP ON SOLIDWORKS SOFTWARE	10 th to 15 th February 2025	44



H.O.D.

Dept. of Mechanical & Mechatronics Engg.
Dr. A. D. Shinde College of Engg.
Bhadgaon, Tal. Gadhinglaj



WORKSHOP

on

“Hands-On 3D Printing”

Duration: 13th to 18th JAN-2025

Class: TY, LY

SEM: VI, VIII





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DR. A. D. SHINDE COLLEGE OF ENGINEERING

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502

Academic Year 2024-25

Department of Mechanical Engineering



NOTICE

All the Third Year and Final Year students of the Mechanical Engineering Department, Dr. A. D. Shinde College of Engineering, Bhadgaon, are informed that a **Hands-On 3D Printing Workshop** by **Mr. Harsh Ghodake** is scheduled from **13th January 2025 to 18th January 2025**. Students are advised to carefully go through the syllabus and schedule of the course. Regular attendance for all sessions is expected and will contribute positively to your academic and professional growth.

All concerned students are requested to take note of this notice and act accordingly.


PROGRAM CO- ORDINATOR




H.O.D.
Dept. of Mechanical & Mechatronics En
Dr. A. D. Shinde College of Engg
Bhadgaon, Tal. Gadhinglaj



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Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502.

Academic Year 2024-25

Department of Mechanical Engineering



DEPARTMENT OF MECHANICAL ENGINEERING

WORKSHOP ON

Hands-On 3D Printing Workshop

Duration: 13th to 18th Jan. 2025

CLASS: B. Tech Final Year and Third Year

A.Y: 2024-25

Evaluation procedure

- ❖ Eligibility Criteria: Participant Should Have Minimum 75% of attendance.
- ❖ Also participant will be evaluated on the basis of performance during the workshop by the expert.


PROGRAM CO- ORDINATOR




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Bhadgaon, Tal. Gadhinglaj



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Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502

Academic Year 2024-25

Department of Mechanical Engineering



DEPARTMENT OF MECHANICAL ENGINEERING

SYALLABUS FOR WORKSHOP ON

Hands-On 3D Printing Workshop

Duration: 13th to 18th Jan. 2025

CLASS: B. Tech Final Year and Third Year

A.Y: 2024-25

1. Introduction to Additive Manufacturing
2. 3D Printing Technologies
3. Materials in Additive Manufacturing
4. Design for Additive Manufacturing (DFAM)
5. Applications and Industry Insights
6. Future Trends in Additive Manufacturing


PROGRAM CO- ORDINATOR




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Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502

Academic Year 2024-25

Department of Mechanical Engineering



REPORT

The Department of Mechanical Engineering conducted a **Hands-On 3D Printing Workshop** from 13th to 18th January 2025. The workshop aimed to introduce students to the fundamentals of additive manufacturing and provide practical exposure to 3D printing technology. Students learned about 3D modelling, slicing software, material selection, and machine operation. Live demonstrations and hands-on sessions enabled participants to fabricate their own prototype models. The workshop enhanced students' technical skills and encouraged innovative thinking in product development. Overall, the program was highly informative and beneficial for the students. Total 71 of Third Year and Last year Mechanical engineering student participated in this Workshop. All the faculty members from the Mechanical department worked actively for the successful completion of workshop.

PROGRAM CO- ORDINATOR

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Dept. of Mechanical & Mechatronics Engg
Dr.A.D.Shinde College of Engg.
Bhadgaon, Tal. Gadhinglaj





Dinkarrao K. Shinde Smarak Trusts

DR. A. D. SHINDE COLLEGE OF ENGINEERING

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:-416502

Academic Year 2024-25

Department of Mechanical Engineering



DEPARTMENT OF MECHANICAL ENGINEERING

WORKSHOP ON

Hands-On 3D Printing Workshop

Duration: 13th to 18th Jan. 2025

CLASS: B. Tech Final Year and Third Year

A.Y: 2024-25

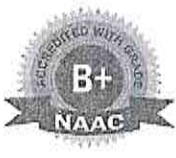
COURSE OUTCOMES

1. To introduce the fundamentals of 3D printing and its role in modern manufacturing.
2. To familiarize participants with different 3D printing technologies and their applications.
3. To provide hands-on training in designing and printing 3D models.
4. To enhance understanding of material selection, printing parameters, and post-processing techniques.
5. To discuss current trends and future opportunities in additive manufacturing.


PROGRAM CO- ORDINATOR




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DEPARTMENT OF MECHANICAL ENGINEERING

SYALLABUS FOR WORKSHOP ON

SolidWorks Software

Duration: 10th to 15th Feb. 2025

CLASS: Second Year

A.Y: 2024-25

1. **Introduction & Sketching Fundamentals** - SolidWorks interface, planes, design intent, 2D sketch tools, constraints.
2. **Part Modelling Basics** - Extrude, Revolve, Fillet, Chamfer, Shell, Draft, pattern tools.
3. **Advanced Part Modelling** - Sweep, Loft, Rib, multi-body parts, complex shape creation.
4. **Assembly Modelling** - Bottom-up assemblies, standard & advanced mates, interference checking.
5. **Engineering Drawing Creation** - Creating 2D drawings, views, section/ detail views, BOM, exploded views.
6. **Simulation & Mini Project** - Basic stress analysis, motion study, mesh basics, hands-on modelling project.


 PROGRAM CO- ORDINATOR




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 Dr.A.D.Shinde College of Engg
 Bhadgaon, Tal.Gadhinglaj



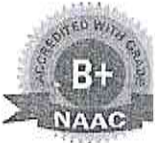
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DR. A. D. SHINDE COLLEGE OF ENGINEERING

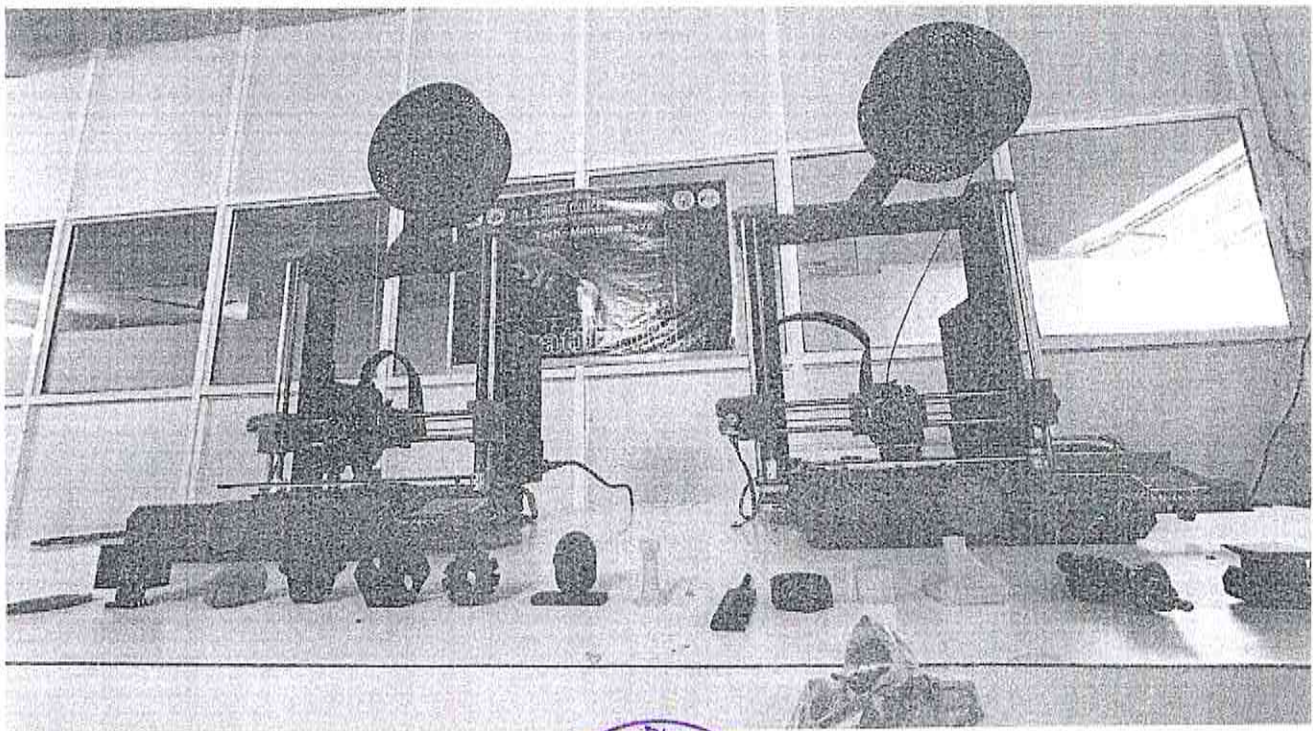
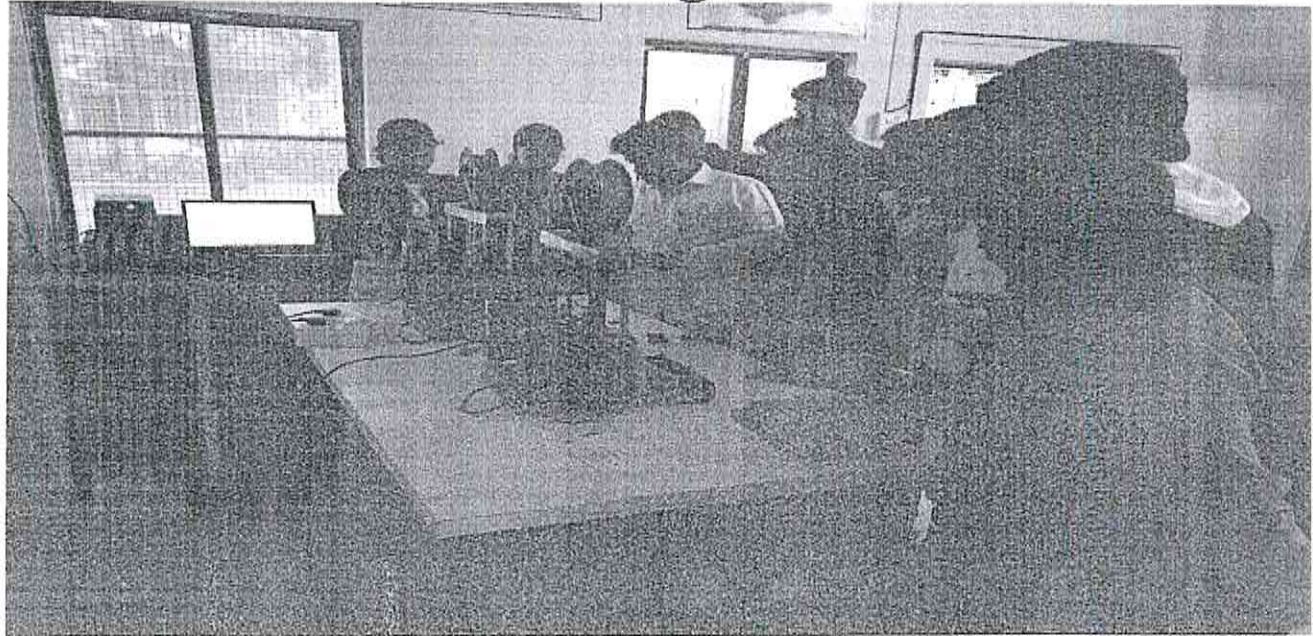
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Academic Year 2023-24

Department of Mechanical Engineering



Hands - on 3D Printing



DR.A.D.SHINDE COLLEGE OF ENGINEERING,GADHINGLAJ

DEPARTMENT OF MECHANICAL ENGINEERING

ATTENDANCE of WORKSHOP ON HANDS ON 3D PRINTING

Duration: 13th to 18th Jan 2025

Class: TE

Sr.No	PRN NO	STUDENT NAME	13/01/2025	14/01/2025	15/01/2025	16/01/2025	17/01/2025
1	2023042895	BELEKAR ANIKET KRUSHNAT	AB	AB	AB	AB	AB
2	2022087064	CHOUGULE SHRIDHAR M	G.S.M	G.S.M	G.S.M	G.S.M	G.S.M
3	2023081804	HAKIM ANIS ADAM	ha	ha	ha	ha	ha
4	2022086747	JAMADAR DISHANT A	Ja	Ja	Ja	Ja	Ja
5	2022078866	KABURE TUSHAR D	Ka	Ka	Ka	Ka	Ka
6	2022086974	KOTEKAR ROHAN RAJARAM	Ro	Ro	Ro	Ro	Ro
7	2022086993	NAIK RAHUL NAMDEV	RNaik	RNaik	RNaik	RNaik	RNaik
8	2022086976	PATIL SAHIL SHANTARAM	SP	SP	SP	SP	SP
9	2022087115	PATIL AMOL SURESH	Asuresh	Asuresh	Asuresh	Asuresh	Asuresh
10	2022087112	PATIL RAVINA PANDURANG	PRP	PRP	PRP	PRP	PRP
11	2022078781	PATIL VINOD KALAGONDA	VK	VK	VK	VK	VK
12	2020075577	PATIL YOGESH NAMDEV	YN	YN	YN	YN	YN
13	2022087038	SWAMI ANIKET ASHOK	SA	SA	SA	SA	SA
14	2021072307	WAGHE DNYANESHWAR S	DW	DW	DW	DW	DW
15	2023065341	SHINDE RUTURAJ P	RShinde	RShinde	RShinde	RShinde	RShinde
16	2023063168	BHAKARI GAUTAM M	BGa	BGa	BGa	BGa	BGa
17	2023048084	BHARMAL ANMOL SACHIN	B.G.M	B.G.M	B.G.M	B.G.M	B.G.M
18	2023048351	BHOSALE SIDDHESH R	SB	SB	SB	SB	SB
19	2023080942	CHOUGULE SHIVRAJ V	Shi	Shi	Shi	Shi	Shi
20	2023044485	DESAI HRISHIKESH SHRIDHAR	HDe	HDe	HDe	HDe	HDe
21	2021073365	GAVALI ATAMANAND R	GA	GA	GA	GA	GA
22	2023081544	GHATAGE PRUTHVIRAJ V	GP	GP	GP	GP	GP
23	2023049732	GUNDAP VISHAL MARUTI	GV	GV	GV	GV	GV
24	2022086980	KAMBLE SHIVAJI P	Ka	Ka	Ka	Ka	Ka
25	2022087083	KAMBLE ADINATH KRISHNA	KA	KA	KA	KA	KA

26	2023077865	KAMBLE BASAVARAJ VIJAY	<i>Basav</i>	<i>Basav</i>	<i>Basav</i>	<i>Basav</i>	<i>Basav</i>
27	2023047148	KAMBLE TUSHAR MAHADEV	<i>Tushar</i>	<i>Tushar</i>	<i>Tushar</i>	<i>Tushar</i>	<i>Tushar</i>
28	2023065344	KESARKAR DRAKSHAYANI P	<i>Drakshani</i>	<i>Drakshani</i>	<i>Drakshani</i>	<i>Drakshani</i>	<i>Drakshani</i>
29	2023051741	MALAVEKAR GANESH B	<i>Ganesh</i>	<i>Ganesh</i>	<i>Ganesh</i>	<i>Ganesh</i>	<i>Ganesh</i>
30	2022086445	MALI PRADIP PANDURANG	<i>Pradip</i>	<i>Pradip</i>	<i>Pradip</i>	<i>Pradip</i>	<i>Pradip</i>
31	2022087065	MANE VAIBHAV UDAY	<i>Vaibhav</i>	<i>Vaibhav</i>	<i>Vaibhav</i>	<i>Vaibhav</i>	<i>Vaibhav</i>
32	2023081771	PATIL ANIL PANDURANG	<i>Anil</i>	<i>Anil</i>	<i>Anil</i>	<i>Anil</i>	<i>Anil</i>
33	2023080276	PATIL NITISH MADHUKAR	<i>Nitish</i>	<i>Nitish</i>	<i>Nitish</i>	<i>Nitish</i>	<i>Nitish</i>
34	2023065346	PATIL PRATHAMESH SANJAY	<i>Prathamesh</i>	<i>Prathamesh</i>	<i>Prathamesh</i>	<i>Prathamesh</i>	<i>Prathamesh</i>
35	2023081762	PATIL REKHA RAGHUNATH	<i>Rekha</i>	<i>Rekha</i>	<i>Rekha</i>	<i>Rekha</i>	<i>Rekha</i>
36	2023078934	POWAR MARUTI CHINAPPA	<i>Maruti</i>	<i>Maruti</i>	<i>Maruti</i>	<i>Maruti</i>	<i>Maruti</i>
37	2023044156	SARSHETTI PRAVIN BASVANT	<i>Pravin</i>	<i>Pravin</i>	<i>Pravin</i>	<i>Pravin</i>	<i>Pravin</i>
38	2023081761	SUTAR VISHWAJEET VIJAY	<i>Vishwa</i>	<i>Vishwa</i>	<i>Vishwa</i>	<i>Vishwa</i>	<i>Vishwa</i>
39	2022087102	SUTAR SANTOSH R	<i>Santosh</i>	<i>Santosh</i>	<i>Santosh</i>	<i>Santosh</i>	<i>Santosh</i>
40	2023043001	TELI AKASH S	<i>Akash</i>	<i>Akash</i>	<i>Akash</i>	<i>Akash</i>	<i>Akash</i>
41	2023049882	WADAGULE VIRAJ M	<i>Viraj</i>	<i>Viraj</i>	<i>Viraj</i>	<i>Viraj</i>	<i>Viraj</i>
42	2022086804	YADAV AKSHAY S	<i>Akshay</i>	<i>Akshay</i>	<i>Akshay</i>	<i>Akshay</i>	<i>Akshay</i>
43	2022087028	PATIL ADITYA S	<i>Aditya</i>	<i>Aditya</i>	<i>Aditya</i>	<i>Aditya</i>	<i>Aditya</i>




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DR.A.D.SHINDE COLLEGE OF ENGINEERING,GADHINGLAJ

DEPARMENT OF MECHANICAL ENGINEERING

ATTENDANCE of WORKSHOP ON HANDS ON 3D PRINTING

Duration: 13th to 18th Jan 2025

Class: BE

Sr.No.	PRN	Student Name	13/01/2025	14/01/2025	15/01/2025	16/01/2025	17/01/2025	18/01/2025
1	2022087049	ASWALE SAMIR PRABHAKAR	Aswale	Aswale	Aswale	Aswale	Aswale	Aswale
2	2020075741	AWADAN NILESH NARAYAN	A.N.N.	A.N.N.	A.N.N.	A.N.N.	A.N.N.	A.N.N.
3	2022086799	DESAI JAYANT KHANDERAU	Desai	Desai	Desai	Desai	Desai	Desai
4	2022086987	DESAI PRAVIN SHIVGONDA	Desai	Desai	Desai	Desai	Desai	Desai
5	2016106433	DEVADKAR TEJASHRI ISHWARA	Devadkar	Devadkar	Devadkar	Devadkar	Devadkar	Devadkar
6	2022086986	DHANAWDE NIKHIL MARUTI	Dhanawde	Dhanawde	Dhanawde	Dhanawde	Dhanawde	Dhanawde
7	2021072462	DHURI VINAYAK MARUTI	Dhuri	Dhuri	Dhuri	Dhuri	Dhuri	Dhuri
8	2022087089	HODAGE AVINASH RAJENDRA	Hodage	Hodage	Hodage	Hodage	Hodage	Hodage
9	2021072285	HUNDALEWADKAR NIKHIL S	Hundalewadkar	Hundalewadkar	Hundalewadkar	Hundalewadkar	Hundalewadkar	Hundalewadkar
10	2021071690	JADHAV NITEESH DASHARATH	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
11	2021072610	MOHITE KIRAN SHIVAJI	Mohite	Mohite	Mohite	Mohite	Mohite	Mohite
12	2018092848	PATIL AKSHAY VASANT	Patil	Patil	Patil	Patil	Patil	Patil
13	2022086731	PATIL RAHUL SHIVAJI	Patil	Patil	Patil	Patil	Patil	Patil
14	2022086981	PATIL RUTUJA RAVINDRA	P.R.R	P.R.R	P.R.R	P.R.R	P.R.R	P.R.R
15	2021072025	PATIL SHUBHAM GANPAT	Patil	Patil	Patil	Patil	Patil	Patil
16	2022078871	PATIL SHWETA SUBHASH	Patil	Patil	Patil	Patil	Patil	Patil
17	2021072339	PATIL SIDDHANT DATTATRAY	Patil	Patil	Patil	Patil	Patil	Patil
18	2021072720	RAUT RUSHIKESH VIKRAM	Raut	Raut	Raut	Raut	Raut	Raut
19	2021072082	SALOKHE ADITYA ARUN	Salokhe	Salokhe	Salokhe	Salokhe	Salokhe	Salokhe
20	2022079008	SONALE DIPAK BALASO	Sonale	Sonale	Sonale	Sonale	Sonale	Sonale
21	2022086385	SONU SAURAV A	Sonu	Sonu	Sonu	Sonu	Sonu	Sonu
22	2022086972	SURYAVANSHI PRATIKSHA D.	Suryavanshi	Suryavanshi	Suryavanshi	Suryavanshi	Suryavanshi	Suryavanshi
23	2020075662	TORASKAR NILESHWAR AJIT	Toraskar	Toraskar	Toraskar	Toraskar	Toraskar	Toraskar
24	2021072012	GHODAKE ABHISHEK A	Ghodake	Ghodake	Ghodake	Ghodake	Ghodake	Ghodake
25	2021072403	KAMBLE VINAYAK P	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
26	2021072453	MANDALIK ROHAN VILAS	Mandalik	Mandalik	Mandalik	Mandalik	Mandalik	Mandalik
27	2021072435	PATIL SHRINIVAS Y	Patil	Patil	Patil	Patil	Patil	Patil
28	2021072726	RANE NIKHIL SURESH	Rane	Rane	Rane	Rane	Rane	Rane

WORKSHOP

on

“SolidWorks Software”

Duration: 10th to 15th FEB-2025

Class: SY

SEM: IV



	Dinkarrao K. Shinde Smarak Trusts DR. A. D. SHINDE COLLEGE OF ENGINEERING Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502 Academic Year 2024-25 Department of Mechanical Engineering	
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NOTICE

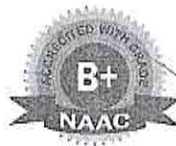
All the Second Year students of the Mechanical Engineering Department, Dr. A. D. Shinde College of Engineering, Bhadgaon, are informed that a **SolidWorks Software Workshop** by **Mr. Parth Patil** is scheduled from **10th to 15th February 2025**. Students are advised to carefully go through the syllabus and schedule of the course. Regular attendance for all sessions is expected and will contribute positively to your academic and professional growth.

All concerned students are requested to take note of this notice and act accordingly.


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DEPARTMENT OF MECHANICAL ENGINEERING

WORKSHOP ON

SolidWorks Software

Duration: 10th to 15th Feb. 2025

CLASS: Second Year

A.Y: 2024-25

Evaluation procedure

- ❖ Eligibility Criteria: Participant Should Have Minimum 75% of attendance.
- ❖ Also participant will be evaluated on the basis of performance during the workshop by the expert.

[Signature]

PROGRAM CO- ORDINATOR



[Signature]
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Dept. of Mechanical & Mechatronics Engg.
Dr. A. D. Shinde College of Engg.
Bhadgaon, Tal. Gadhinglaj

	Dinkarrao K. Shinde Smarak Trusts DR. A. D. SHINDE COLLEGE OF ENGINEERING Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502 Academic Year 2024-25 Department of Mechanical Engineering	
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DEPARTMENT OF MECHANICAL ENGINEERING

WORKSHOP ON

SolidWorks Software

Duration: 10th to 15th Feb. 2025

CLASS: Second Year

A.Y: 2024-25

COURSE OUTCOMES

1. Students will be able to create fully-defined 2D sketches and convert them into accurate 3D models using SolidWorks features
2. Students will be able to assemble multiple components with proper mating constraints to form complete mechanical assemblies.
3. Students will be able to generate professional engineering drawings with dimensions, tolerances and BoM.
4. Students will be able to perform basic simulation and motion analysis for evaluating part strength and mechanism behavior.


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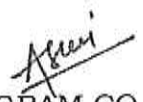



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REPORT

A workshop on SolidWorks software was organized by the Mechanical Engineering Department from 10th to 15th February 2025. The workshop was conducted for second-year Mechanical Engineering students with 44 participants. The sessions covered sketching, part modelling, assemblies, and engineering drawings. Students gained hands-on experience in creating 3D models and assemblies. They also learned basic simulation and motion analysis techniques. Practical exercises and mini projects were assigned to reinforce learning. The workshop emphasized design accuracy, parametric modelling, and industry standards. Students actively participated in all sessions and demonstrated creativity in their projects. Overall, the workshop enhanced CAD modelling skills and practical engineering knowledge among the participants. All the faculty members from the Mechanical department worked actively for the successful completion of workshop.


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DR. A. D. SHINDE COLLEGE OF ENGINEERING

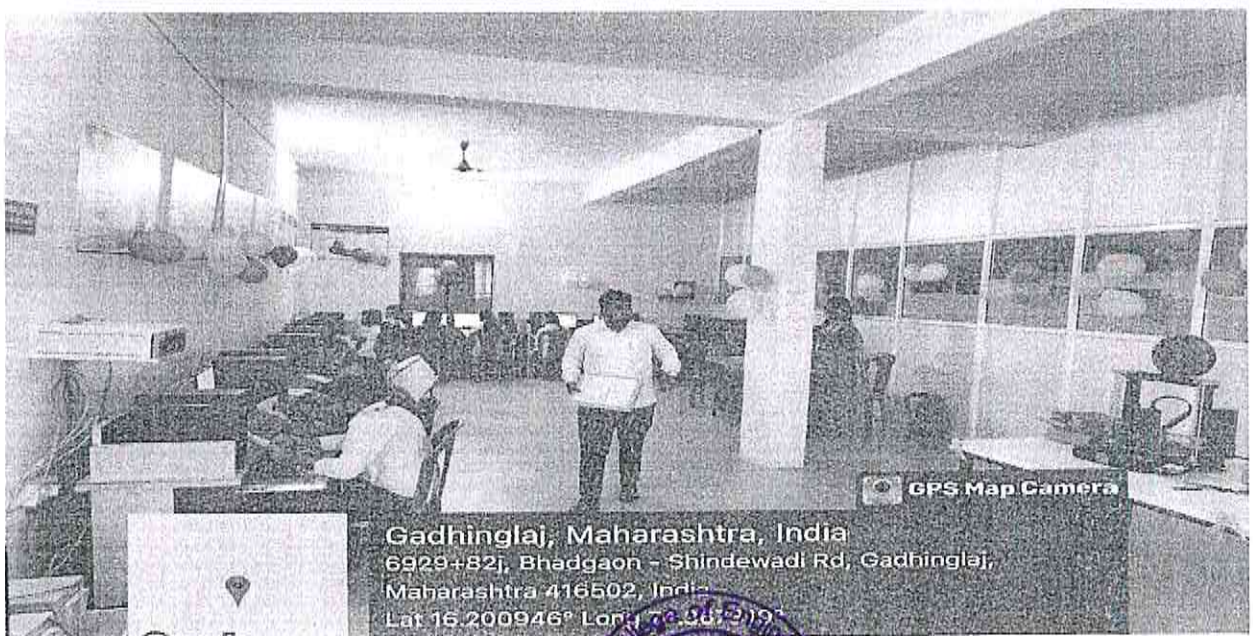
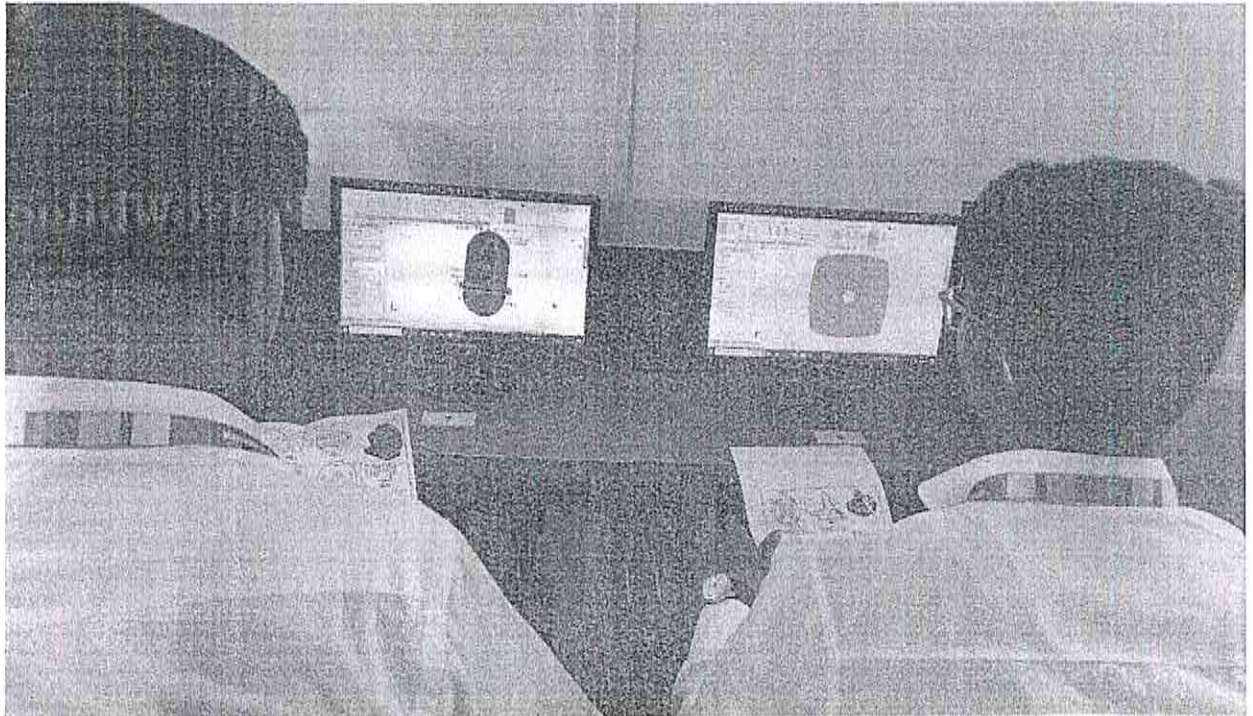
Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502

Academic Year 2023-24

Department of Mechanical Engineering

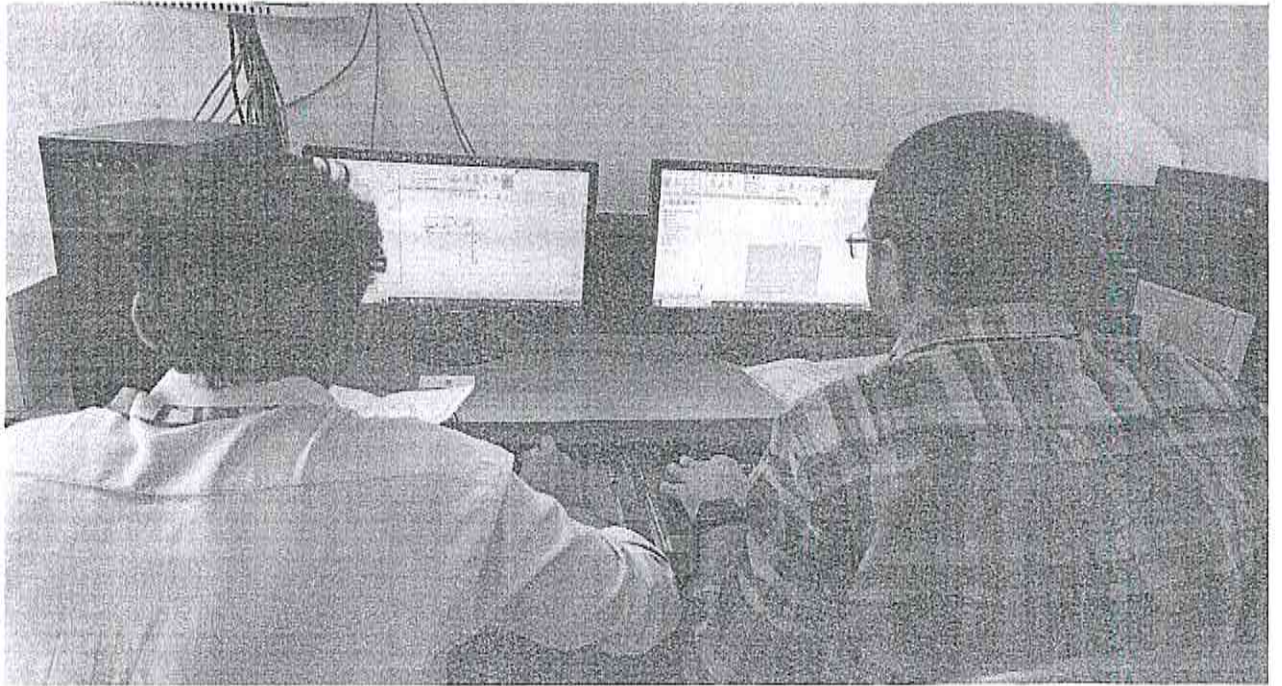


SolidWorks Workshop



Gadhinglaj, Maharashtra, India
6929+82j, Bhadgaon - Shindewadi Rd, Gadhinglaj,
Maharashtra 416502, India
Lat 16.200946° Lon 74.061219°





DR.A.D.SHINDE COLLEGE OF ENGINEERING,GADHINGLAJ

DEPARMENT OF MECHANICAL ENGINEERING

ATTENDANCE of SOLIDWORKS SOFTWARE

Duration: 10th to 15th february 2025

Class: SE

Sr.No	PRN NO	STUDENT NAME	10-Feb-25	11-Feb-25	12-Feb-25	13-Feb-25	14-Feb-25	15-Feb-25
1	2024062402	ANGRE AJAY BHAU						
2	2024062395	BHOSALE SANDIP MAHADEV						
3	2024061249	BURUD HARISH YALLAPA	<i>Harish</i>	<i>Harish</i>	<i>Harish</i>	<i>Harish</i>	<i>Harish</i>	<i>Harish</i>
4	2024060996	CHILAMI GEETA BASAVARAJ	<i>Geeta</i>	<i>Geeta</i>	<i>Geeta</i>	<i>Geeta</i>	<i>Geeta</i>	<i>Geeta</i>
5	2024065084	DALAVI SANKET KRUSHNA	<i>Sanket</i>	<i>Sanket</i>	<i>Sanket</i>	<i>Sanket</i>	<i>Sanket</i>	<i>Sanket</i>
6	2024068503	DESAI PRATHAMESH RAMESH	<i>Prathamesh</i>	<i>Prathamesh</i>	<i>Prathamesh</i>	<i>Prathamesh</i>	<i>Prathamesh</i>	<i>Prathamesh</i>
7	2024062411	DEVEKAR RAHUL KRISHNA	<i>Rahul</i>	<i>Rahul</i>	<i>Rahul</i>	<i>Rahul</i>	<i>Rahul</i>	<i>Rahul</i>
8	2024065689	DHURI ADITYA ASHOK	<i>Aditya</i>	<i>Aditya</i>	<i>Aditya</i>	<i>Aditya</i>	<i>Aditya</i>	<i>Aditya</i>
9	2024065597	FAGARE SAURABH MARUTI	<i>Saurabh</i>	<i>Saurabh</i>	<i>Saurabh</i>	<i>Saurabh</i>	<i>Saurabh</i>	<i>Saurabh</i>
10	2024061084	GAYKWAD SWAPNIL PANDURANG	<i>Swapnil</i>	<i>Swapnil</i>	<i>Swapnil</i>	<i>Swapnil</i>	<i>Swapnil</i>	<i>Swapnil</i>
11	2024065077	GOTURI DIPAK PRAKASH	<i>Dipak</i>	<i>Dipak</i>	<i>Dipak</i>	<i>Dipak</i>	<i>Dipak</i>	<i>Dipak</i>
12	2024064817	JADHAV OMKAR SUNIL	<i>Omkar</i>	<i>Omkar</i>	<i>Omkar</i>	<i>Omkar</i>	<i>Omkar</i>	<i>Omkar</i>
13	2024068507	JANGALI AKSHATA MAHADEV	<i>Akshata</i>	<i>Akshata</i>	<i>Akshata</i>	<i>Akshata</i>	<i>Akshata</i>	<i>Akshata</i>
14	2024061281	KAMBLE SAHIL MAHADEV	<i>Sahil</i>	<i>Sahil</i>	<i>Sahil</i>	<i>Sahil</i>	<i>Sahil</i>	<i>Sahil</i>
15	2024074439	KAMBLE SUDESH SATAPPA	<i>Sudesh</i>	<i>Sudesh</i>	<i>Sudesh</i>	<i>Sudesh</i>	<i>Sudesh</i>	<i>Sudesh</i>
16	2024060871	KAMBLE SWAPNIL ANNAPPA	<i>Swapnil</i>	<i>Swapnil</i>	<i>Swapnil</i>	<i>Swapnil</i>	<i>Swapnil</i>	<i>Swapnil</i>
17	2024064172	KATKAR GANPATRAO RAOSAHEB	<i>Ganpatrao</i>	<i>Ganpatrao</i>	<i>Ganpatrao</i>	<i>Ganpatrao</i>	<i>Ganpatrao</i>	<i>Ganpatrao</i>
18	2024063348	LOHAR DIGAMBAR RAMESH	<i>Digambar</i>	<i>Digambar</i>	<i>Digambar</i>	<i>Digambar</i>	<i>Digambar</i>	<i>Digambar</i>
19	2024061226	MAKANDAR MAHAMADASIF ANVARHUSEN	<i>Makandar</i>	<i>Makandar</i>	<i>Makandar</i>	<i>Makandar</i>	<i>Makandar</i>	<i>Makandar</i>
20	2024065460	MANE SAHIL GANPATI	<i>Sahil</i>	<i>Sahil</i>	<i>Sahil</i>	<i>Sahil</i>	<i>Sahil</i>	<i>Sahil</i>
21	2024068510	MHAMUCHE MAHMADGAUS MADAR	<i>Mahmadgaus</i>	<i>Mahmadgaus</i>	<i>Mahmadgaus</i>	<i>Mahmadgaus</i>	<i>Mahmadgaus</i>	<i>Mahmadgaus</i>
22	2024061123	MOLADI SANIKA BASAVARAJ	<i>Sanika</i>	<i>Sanika</i>	<i>Sanika</i>	<i>Sanika</i>	<i>Sanika</i>	<i>Sanika</i>
23	2024061058	MORE ROHIT ANNASAHEB	<i>Rohit</i>	<i>Rohit</i>	<i>Rohit</i>	<i>Rohit</i>	<i>Rohit</i>	<i>Rohit</i>
24	2024069352	MULLA MAHAMMADKAIF AYUB	<i>Mahammadkaif</i>	<i>Mahammadkaif</i>	<i>Mahammadkaif</i>	<i>Mahammadkaif</i>	<i>Mahammadkaif</i>	<i>Mahammadkaif</i>
25	2024060818	NIKAM ROHIT ISHWAR	<i>Rohit</i>	<i>Rohit</i>	<i>Rohit</i>	<i>Rohit</i>	<i>Rohit</i>	<i>Rohit</i>
25	2024065082	NILPANKAR UTTAM TANAJI	<i>Uttam</i>	<i>Uttam</i>	<i>Uttam</i>	<i>Uttam</i>	<i>Uttam</i>	<i>Uttam</i>
27	2024065260	NIMBALKAR SAGAR SUNIL	<i>Sagar</i>	<i>Sagar</i>	<i>Sagar</i>	<i>Sagar</i>	<i>Sagar</i>	<i>Sagar</i>



28	2024066132	PATIL AJIT ASHOK	381	381	381	381	381	381
29	2024065086	PATIL AMOL RANABA	Amol	Amol	Amol	Amol	Amol	Amol
30	2024066167	PATIL ARUN RAMCHANDRA	Arun	Arun	Arun	Arun	Arun	Arun
31	2024062426	PATIL DHANASHRI SHAHAJI	Dhanashri	Dhanashri	Dhanashri	Dhanashri	Dhanashri	Dhanashri
32	2024066384	PATIL HARSHVARDHAN ANIL	Harshvardhan	Harshvardhan	Harshvardhan	Harshvardhan	Harshvardhan	Harshvardhan
33	2024062394	PATIL NITIN NARAYAN	Nitin	Nitin	Nitin	Nitin	Nitin	Nitin
34	2024061284	PATIL SANKET MARUTI	Sanket	Sanket	Sanket	Sanket	Sanket	Sanket
35	2024065248	PATIL SHUBHAM GANPATI	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham
36	2024062450	RANE SACHIN SOPAN	Sachin	Sachin	Sachin	Sachin	Sachin	Sachin
37	2024065572	SHINDE RUSHIKESH SURESH	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh
38	2024062400	SHINDE SURYAKANT ANNAPPA	Suryakant	Suryakant	Suryakant	Suryakant	Suryakant	Suryakant
39	2024069035	SURYAVANSHI NAVAJYOT MAHALING	Navajyot	Navajyot	Navajyot	Navajyot	Navajyot	Navajyot
40	2024062431	SUTAR NAYNISH RAVINDRA	Naynisha	Naynisha	Naynisha	Naynisha	Naynisha	Naynisha
41	2024067404	SUTAR SUSHANT PANDURANG	Sushant	Sushant	Sushant	Sushant	Sushant	Sushant
42	2024065083	YALAGUDE RAVINDRA CHANDRAKANT	Ravindra	Ravindra	Ravindra	Ravindra	Ravindra	Ravindra
43	2024068520	ZAMBARE SURAJ SUNIL	Suraj	Suraj	Suraj	Suraj	Suraj	Suraj
44	2023021240	Desai Rohan Ramchandra	Rohan	Rohan	Rohan	Rohan	Rohan	Rohan




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