



Dinkarrao K. Shinde Smarak Trusts  
**DR. A. D. SHINDE COLLEGE OF ENGINEERING.**  
Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502





## 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 (Hours)	Number of students enrolled in the year	Total number students
List of Add on /Certificate/Value added programs offered during A.Y. 2023-24					
1	ETABS(CE)	2024	32	86	562
2	Auto CAD 2D and 3D Workshop(CE)	2024	30	40	
3	Workshop on Additive Manufacturing (3D Printing )(ME)	2024	36	111	
4	Workshop on Nondestructive Testing (ME)	2024	36	46	
5	Power System Analysis Using MATLAB (EE)	2023	36	110	
6	Electrical Design Estimation and Costing(EE)	2024	34	30	
7	Computer Network (CS)	2024	30	68	
8	Digital Electronics(ECS)	2024	30	56	
9	Basic Electronics Engineering (ECS)	2024	30	71	




  
**PRINCIPAL**  
Dr.A.D.Shinde College of Engineering  
Bhadgaon, Tal. Gadhinglaj, Dist. Kolhapur

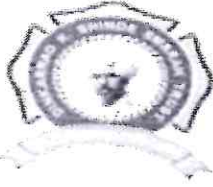
	<p style="text-align: center;">Dinkarrao K. Shinde Smarak Trusts</p> <p style="text-align: center;"><b>DR. A. D. SHINDE COLLEGE OF ENGINEERING</b></p> <p style="text-align: center;">Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502</p> <p style="text-align: center;"><b>Academic Year 2023-24</b></p> <p style="text-align: center;"><b>Department of Civil Engineering</b></p>	
---	--	---

Civil Engineering  
Value Added Course

Academic Year	Class	Name of the Course	Date and Duration	Student Count
2023-24	Final Year	ETABS	1 <sup>st</sup> to 4 <sup>th</sup> April 2024	86
2023-24	Second Year	Auto CAD 2D & 3D	4 <sup>th</sup> to 8 <sup>th</sup> March 2024	40



  
**HOD**  
 Dept. of Civil Engineering  
 Dr. A. D. Shinde College of Engineering  
 A/p. Bhadgaon, Gadhinglaj.



Dinkarrao K. Shinde Smarak Trust's

# Dr. A. D. Shinde College of Engineering

Accredited by NAAC "B +", ISO 9001:2015 and ISO14001:2015

Approved by AICTE, New Delhi, DTE, Mumbai, Govt. of Maharashtra and Affiliated to Shivaji University, Kolhapur



## ETABS Workshop Report

### 1. Introduction

The Department of Civil engineering successfully conducted a two-day workshop on **ETABS (Extended Three-Dimensional Analysis of Building Systems)** on 2<sup>nd</sup> April – 3<sup>rd</sup> April 2024. The workshop aimed to equip students and faculty members with the knowledge and skills required to effectively use ETABS software for structural analysis and design.

ETABS is one of the most widely used software applications in the field of civil engineering for designing multi-story buildings. This workshop was an initiative to bridge the gap between theoretical learning and practical application, ensuring that participants are well-prepared for real-world challenges.

### 2. Objective

The workshop was designed with the following objectives:

1. To introduce the fundamental features and capabilities of ETABS software.
2. To provide hands-on training in modeling, analyzing, and designing building structures.
3. To explore real-world applications and case studies to understand practical challenges and solutions.
4. To enhance participants' employability skills by familiarizing them with industry-standard tools.

### 3. Resource Person

Mr. Ganesh Wayal

- **Designation:** Structural Consultant and Expert Trainer in ETABS.
- **Qualification:** M.Tech in Structural Engineering].
- **Experience:** Over 5 years of experience in the field of structural analysis and design, specializing in ETABS and other design software tools.



- **Contributions:** Known for delivering workshops and seminars across various institutions, Mr. Ganesh Wayal is a well-recognized expert in structural engineering and software-based





analysis. This interactive teaching style and extensive knowledge ensured that the participants received a comprehensive understanding of ETABS.

#### 4. Workshop Details

- **Dates:** 2<sup>nd</sup> April – 3<sup>rd</sup> April 2024
- **Venue:** CAD Lab Mechanical Engineering Block
- **Duration:** Two days, [ 10:00 AM to 4:00 PM].
- **Participants:** Final year B.Tech Civil Engineering students and faculty members, totalling 88 students + 07 faculty participants.

#### 5. Workshop Agenda

The workshop was structured as follows:

##### Day 1:

- **Session 1:**
  - Overview of ETABS: Introduction, Features, and Applications.
  - Importance of software in structural analysis and design.
- **Session 2:**
  - Step-by-step guide to creating building models.
  - Defining materials, loads, and boundary conditions in ETABS.

##### Day 2:

- **Session 3:**
  - Advanced modeling techniques.
  - Hands-on exercise: Modeling a multi-story building.
- **Session 4:**
  - Analyzing and interpreting results from ETABS.
  - Case studies and solving real-world structural problems.
  - Interactive Q&A session with Mr. Ganesh Wayal.



#### 6. Key Highlights

1. **Interactive Sessions:** The resource person engaged participants through live demonstrations and discussions.
2. **Hands-on Practice:** Students worked on practical exercises, applying the concepts learned during the sessions.
3. **Real-World Applications:** Case studies helped bridge the gap between theoretical knowledge and real-world challenges.



7. **Q&A Sessions:** Addressed participants' queries and provided in-depth insights into structural engineering.

## 7. Outcome

The workshop achieved its objectives by providing participants with:


- A solid understanding of ETABS software and its applications in structural engineering.
- Practical experience in creating, analyzing, and designing building models.
- Improved problem-solving skills and confidence in using ETABS for real-life projects.
- Enhanced employability by acquiring skills demanded in the construction industry.

## 9. Acknowledgment

We extend our heartfelt gratitude to **Mr. Ganesh Wayal** for his invaluable contribution and for sharing his expertise. We also thank the management, faculty, and organizing committee for their unwavering support in making this event a success.

  
Program Co-ordinator



  
HOD  
Civil Engineering  
Dept. of Civil Engineering  
Dr. A.D. Shinde College of Engineering  
A/p. Bhadgaon, Gadchingei.



Dinkarrao K. Shinde Smarak Trusts

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

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502

**Department of Civil Engineering**  
**Academic Year 2023-24**



## NOTICE

### Workshop on ETABS

We are pleased to announce a Two-Day Workshop on ETABS exclusively for Final Year Civil Engineering students.

#### **Details of the Workshop:**

- Topic: Introduction to Structural Analysis and Design using ETABS

Name of the Instructor: Mr. Ganesh Wayal

- Date: 2<sup>nd</sup> April 2024-5<sup>rd</sup> April 2024

- Time: 9.00 am to 5.30 pm

- Venue: CAD LAB Mechanical Engineering Block

#### **Key Highlights:**

- Hands-on training in structural modeling and analysis.

- Exposure to real-world design scenarios.

- Guidance from experienced professionals in the field.

#### **Registration Details:**

- Last Date to Register: 30<sup>th</sup> March 2024

Contact: Prof: V.V.Chougule

  
HOD

Civil Engineering

  
VAP Coordinator

  
Academic Coordinator





Dinkarrao K. Shinde Smarak Trusts

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

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

Department of Civil Engineering

Academic Year 2023-24

Date: 28/03/2024

## SYLLABUS

### Course Outline for ETABS Software Training

#### DAY 1

##### 1. Introduction to ETABS

- Overview of ETABS and its importance in structural engineering.
- Key features and capabilities of ETABS.
- Installation and setup of the software.
- Basic user interface navigation.

##### 2. Fundamental Concepts

- Basics of structural analysis and design.
- Types of structures and their components (e.g., beams, columns, slabs, walls).
- Load types: Dead loads, live loads, wind loads, seismic loads, etc.

##### 3. Modeling Basics

- Defining grid systems and story levels.
- Drawing and editing structural elements (beams, columns, slabs, etc.).
- Assigning materials and cross-sections.
- Introduction to 2D and 3D modeling.

#### DAY 2

##### 4. Load Applications

- Defining load patterns and load cases.
- Assigning point, line, and area loads.
- Load combinations and their importance.

##### Analysis and Interpretation

- Running structural analysis.
- Reviewing analysis results (bending moments, shear forces, deflections, etc.).
- Understanding output data and graphs.

#### DAY 3

##### 6. Design Features

- Basics of design codes (e.g., IS, ACI, Eurocode).
- Designing beams, columns, and slabs.
- Reinforcement detailing and verification.

##### 7. Seismic and Wind Analysis

- Introduction to seismic analysis and response spectrum.
- Applying wind loads.
- Understanding base shear and building response.

##### 8. Advanced Modeling Techniques

- Introduction to shell and solid elements.
- Modelling irregular structures.





- Assigning diaphragms and meshing.

#### 9. Practical Applications

- Modeling real-world projects (e.g., residential buildings, commercial complexes).
- Preparing documentation and reports.
- Troubleshooting common modeling and design errors.

### DAY 4

#### 10. Hands-on Projects

- Students work on an individual or group project.
- End-to-end modeling, analysis, and design of a structure.
- Presentation and discussion of project results.

#### 11. Tips, Tricks, and Resources

- Best practices for efficient modeling.
- Common pitfalls and how to avoid them.
- Additional learning resources (manuals, online forums, tutorials).

#### 12. Assessment and Certification

- Quizzes or tests to evaluate learning.
- Submission and evaluation of final projects.
- Course completion certificates



VAP Coordinator



Academic Coordinator



HOD  
Dept. of Civil Engineering  
Dr. A.D. Shinde College of Engineering  
A.P. Bhadgaon Gadchigai.  
Civil Engineering





Dinkarrao K. Shinde Smarak Trust's

# Dr. A. D. Shinde College of Engineering

Accredited by NAAC "B +", ISO 9001:2015 and ISO14001:2015

Approved by AICTE, New Delhi, DTE, Mumbai, Govt. of Maharashtra and Affiliated to Shivaji University, Kolhapur.



Ref:

## INVITATION LETTER

To,

Mr. Ganesh Wayal

SCG Design Solutions, Pune

**Subject: Invitation to Conduct a Training Session on ETABS**

Dear Mr. Ganesh Wayal,

We are pleased to invite you to conduct a specialized training session on *ETABS* for our participants from Final year Civil Engineering students from Dr. A. D. Shinde College of Engineering, Bhadgaon

Your expertise in structural analysis and design using ETABS, coupled with your proven ability to impart knowledge effectively, makes you the ideal choice for this training. The session aims to equip participants with a thorough understanding of the software and its applications in real-world structural engineering projects.

The details of the session are as follows:

- **Topic:** ETABS - Structural Analysis and Design Training
- **Duration:** 2 day workshop
- **Dates:** 2<sup>nd</sup> April – 5<sup>th</sup> April
- **Venue:** CAD Lab Mechanical Department Building
- **Participants:** 88 participants + 6 faculty

We are confident that your guidance will be invaluable in enhancing the technical proficiency and confidence of our participants. Please confirm your availability for the proposed dates at your earliest convenience. Should you require any specific resources or arrangements for the session, do not hesitate to inform us.

Thank you for considering our invitation. We look forward to your positive response and to the opportunity of hosting this session with your support.

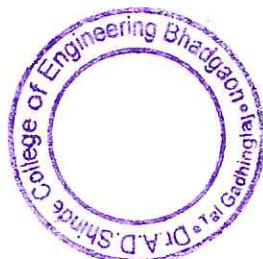
Warm regards

Prof: Mr. Amit S. Madakari

H.O.D

Dr. Rohit  
Dean-Academics

Dr. Jyoti  
Principal







Dinkarrao K. Shinde Smarak Trusts

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

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502

**Department of Civil Engineering**  
**Academic Year 2023-24**



## ATTENDANCE SHEET DIV A ETABS WORKSHOP

SR.	PRN	NAME OF THE STUDENT	2 <sup>ND</sup> APRIL	3 <sup>RD</sup> APRIL	4 <sup>th</sup> April	5 <sup>th</sup> April
1	2021072002	ASWALE MILAN MAHADEV	<u>Milani</u>	<u>Milani</u>	<u>Milani</u>	<u>Milani</u>
2	2021071858	ASWALE MINAXI MAHADEV	<u>Amminaxi</u>	<u>Amminaxi</u>	<u>Amminaxi</u>	<u>Amminaxi</u>
3	2021071840	BHAWARI SUDARSHAN KISHOR	<u>SKB</u>	<u>SKB</u>	<u>SKB</u>	<u>SKB</u>
4	2021071918	BHOI KALYANI DILIP	<u>Dipak</u>	<u>Dipak</u>	<u>Dipak</u>	<u>Dipak</u>
5	2021072816	CHAVAN PRITESH BIBHISHAN	<u>Pchavan</u>	<u>Pchavan</u>	<u>Pchavan</u>	<u>Pchavan</u>
6	2021071978	CHILAMI AKSHATA BASAVRAJ	<u>Akhilmi</u>	<u>Akhilmi</u>	<u>Akhilmi</u>	<u>Akhilmi</u>
7	2021071902	CHOUGALE KIRAN CHANDRAKANT	<u>K.C.C</u>	<u>K.C.C</u>	<u>K.C.C</u>	<u>K.C.C</u>
8	2021072391	DADDIKAR SHUBHAM MANOHAR	<u>Daddikar</u>	<u>Daddikar</u>	<u>Daddikar</u>	<u>Daddikar</u>
9	2021071992	DAFALE PRUTHVIRAJ JANARDAN	<u>D.P.J</u>	<u>D.P.J</u>	<u>D.P.J</u>	<u>D.P.J</u>
10	2021072650	DALAVI SHUBHAM SANJAY	<u>Dalavi</u>	<u>Dalavi</u>	<u>Dalavi</u>	<u>Dalavi</u>
11	2021072269	DESAI AMRUT EKANATH	<u>Desai</u>	<u>Desai</u>	<u>Desai</u>	<u>Desai</u>
12	2021071897	DESAI PRAJAKTA PARASHARAM	<u>Prajakta</u>	<u>Prajakta</u>	<u>Prajakta</u>	<u>Prajakta</u>
13	2020075534	DESAI PRAJAKTA DATTATRAY	<u>Prajakta</u>	<u>Prajakta</u>	<u>Prajakta</u>	<u>Prajakta</u>
14	2021072027	DESAI RAJAT SANJAY	<u>Desai</u>	<u>Desai</u>	<u>Desai</u>	<u>Desai</u>
15	2021072870	DURGAWALE ANUP NIWAS	<u>Anup</u>	<u>Anup</u>	<u>Anup</u>	<u>Anup</u>
16	2021071875	GAVALI RUSHIKESH SHIVAJI	<u>Rushi</u>	<u>Rushi</u>	<u>Rushi</u>	<u>Rushi</u>
17	2021072421	GODASE SOURABH CHANDRAKANT	<u>Schod</u>	<u>Schod</u>	<u>Schod</u>	<u>Schod</u>
18	2021071878	GURAKHE RAJENDRA GANGARAM	<u>RG</u>	<u>RG</u>	<u>RG</u>	<u>RG</u>
19	2021072038	GURAV AMOL NAGESH	<u>AM</u>	<u>AM</u>	<u>AM</u>	<u>AM</u>
20	2021071882	GURUNAIK VIJAY DEVRAJ	<u>Vijay</u>	<u>Vijay</u>	<u>Vijay</u>	<u>Vijay</u>
21	2021071898	HAJARE SUJITKUMAR VITTHAL	<u>S.V.H</u>	<u>S.V.H</u>	<u>S.V.H</u>	<u>S.V.H</u>
22	2021072732	HANNURKAR SATISH NINGAPPA	<u>Satish</u>	<u>Satish</u>	<u>Satish</u>	<u>Satish</u>
23	2021071838	HARAMALKAR HARISH PRAKASH	<u>Hari</u>	<u>Hari</u>	<u>Hari</u>	<u>Hari</u>
24	2020076091	HIREMATH SURAJ VIRUPAXI	<u>Suraj</u>	<u>Suraj</u>	<u>Suraj</u>	<u>Suraj</u>
25	2020075678	HULAGABALI SUDEEP MALLIKARJUN	<u>Sudeep</u>	<u>Sudeep</u>	<u>Sudeep</u>	<u>Sudeep</u>





Dinkarrao K. Shinde Smarak Trusts

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

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502

**Department of Civil Engineering**

**Academic Year 2023-24**



26	2020076100	HULLOLI PRAVIN BALAPPA	<u>Pravin</u>	<u>Pravin</u>	<u>Pravin</u>	<u>Pravin</u>
27	2020076326	JADHAV VINAYAK ARUN	<u>Gadhar.</u>	<u>Gadhar.</u>	<u>Gadhar.</u>	<u>Gadhar.</u>
28	2021071922	JANGALI TEJASHRI DILIP	<u>Dilip</u>	<u>Dilip</u>	<u>Dilip</u>	<u>Dilip</u>
29	2021071859	KAMBLE AARATI ASHOK	<u>Aarti.</u>	<u>Aarti</u>	<u>Aarti</u>	<u>Aarti</u>
30	2021072334	KAMBLE PRAJJWAL JIVANDHAR	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>
31	2021072639	KAMBLE SHUBHAM SHANKAR	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>
32	2021071854	KAMBLE SUMEDH BHIKAJI	<u>S.B.K</u>	<u>S.B.K</u>	<u>S.B.K</u>	<u>S.B.K</u>
33	2021071959	KAMBALE VIKAS DATTATRAY	<u>V.K.</u>	<u>V.K.</u>	<u>V.K.</u>	<u>V.K.</u>
34	2018089163	KENE SWARUP NAMDEV	<u>N.Kene</u>	<u>N.Kene</u>	<u>N.Kene</u>	<u>N.Kene</u>
35	2021072857	KHANDEKAR KETAN IRAPPA	<u>K.T.K</u>	<u>K.T.K</u>	<u>K.T.K</u>	<u>K.T.K</u>
36	2020075552	KOLUGADE SHRIKRUSHNARAO BABASAHEB	<u>Basabeb</u>	<u>Basabeb</u>	<u>Basabeb.</u>	<u>Basabeb</u>
37	2021071891	KUMBHAR PRASAD SUNIL	<u>Sunil</u>	<u>Sunil</u>	<u>Sunil</u>	<u>Sunil</u>
38	2021073573	KUMBHAR RAM DINKAR	<u>Kumbhar</u>	<u>Kumbhar</u>	<u>Kumbhar</u>	<u>Kumbhar</u>
39	2021072232	KUMTHEKAR PRASAD PANDURANG	<u>PRasad</u>	<u>PRasad</u>	<u>PRasad</u>	<u>PRasad</u>
40	2021072067	KURADE SHUBHAM TANAJI	<u>Tkurade</u>	<u>Tkurade</u>	<u>Tkurade</u>	<u>Tkurade</u>
41	2021072788	LAD JOTIRAM BACHARAM	<u>Bilal</u>	<u>Bilal</u>	<u>Bilal</u>	<u>Bilal</u>
42	2020075523	LOHAR DNYANDEV ANANDA	<u>Altonas</u>	<u>Altonas</u>	<u>Alton</u>	<u>Altona</u>

HOD  
COORDINATOR  
CIVIL ENGINEERING



VAP  
COORDINATOR





Dinkarrao K. Shinde Smarak Trusts

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

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502

**Department of Civil Engineering**  
**Academic Year 2023-24**



## ATTENDANCE SHEET DIV B ETABS WORKSHOP

Sr.No	PRN	Name of the student	2nd April	3rd April	4th April	5th April
1	2021072422	LOKARE GANESH SANJAY	Sanjay	Sanjay	Sanjay	Sanjay
2	2021072808	MAGDUM ABHIJEET BABURAO	M.A.B	M.A.B	M.A.B	M.A.B
3	2021071997	NIYAJI MUHAMMADSSAD MAKBUL	Makbul	Makbul	Makbul	Makbul
4	2020075608	MANER AFROJ SIKANDAR	Maner	Maner	Maner	Maner
5	2021072318	MANGAL RUSHIKESH TUKARAM	R.T.M	R.T.M	R.T.M	R.T.M
6	2021072062	MATIWADD RITESH ANIL	Ran	Ran	Ran	Ran
7	2021072647	MHALUNGekar AVADHUT SARJERAO	ASman	ASman	ASman	ASman
8	2020075541	MHANGORE RAKESH BANDOPANT	Rnake	Rnake	Rnake	Rnake
9	2020076088	MOGANE SWAPNIL SHIVAJI	Smogane	Smogane	Smogane	Smogane
10	2021072065	MORE ABHISHEK KRISHNAT	Amore	Amore	Amore	Amore
11	2021071842	MORE KARNA GURUNATH	K.G.G	K.G.G	K.G.G	K.G.G
12	2021071860	MORE SANKET GANAPATI	More	More	More	More
13	2020076247	NAGVEKAR NARAYAN PANDURANG	N.P.N	N.P.N	N.P.N	N.P.N
14	2021071851	NAIK MARUTI SUBHASH	N.M.S	N.M.S	N.M.S	N.M.S
15	2021071873	NAIK SANKET SANJAY	N.S.S	N.S.S	N.S.S	N.S.S
16	2021071848	PATEL RAYEES MUBARAK	PRM	PRM	PRM	PRM
17	2021071857	PATIL ADINATH ARUN	P.A.A	P.A.A	P.A.A	P.A.A
18	2021071973	PATIL AKASH DIVANJI	Patil.A.D	Patil.A.D	Patil.A.D	Patil.A.D
19	2021072351	PATIL ANKESH RAJARAM	Patil.A.R	Patil.A.R	Patil.A.R	Patil.A.R
20	2020076020	PATIL APPASO VIRGONDA	Patil	Patil	Patil	Patil
21	2021071887	PATIL DIGAMBAR ISHWAR	Ishw. Patil	Ishw. Patil	Ishw. Patil	Ishw. Patil
22	2021071881	PATIL MADHUMATI RAGHUNATH	Patil.M.B	Patil.M.B	Patil.M.B	Patil.M.B
23	2021072786	PATIL NAMADEV SAMBHAJI	Patil.N.S	Patil.N.S	Patil.N.S	Patil.N.S
24	2021072867	PATIL PRATIRAJ PRAKASH	PPP	PPP	PPP	PPP
25	2021072655	PATIL ROHAN SANJAY	P.R.S	P.R.S	P.R.S	P.R.S





Dinkarrao K. Shinde Smarak Trusts

# DR.A. D. SHINDE COLLEGE OF ENGINEERING.

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502

Department of Civil Engineering  
Academic Year 2023-24



26	2021071905	PATIL ROHIT TANAJI	<u>Patil R.T</u>	<u>Patil R.T</u>	<u>Patil R.T</u>	<u>Patil R.T</u>
27	2021072472	PATIL SANJAY NAMDEV	<u>PSN</u>	<u>PSN</u>	<u>PSN</u>	<u>PSN</u>
28	2020076359	PATIL SUDHIR RAMESH	<u>SR patil</u>	<u>SR patil</u>	<u>SR patil</u>	<u>SR patil</u>
29	2021071926	PATIL SUMIT SHAHAJI	<u>Patil ss</u>	<u>Patil ss</u>	<u>Patil ss</u>	<u>Patil ss</u>
30	2020075775	PATIL VRUSHABH RAJENDRA	<u>P.V.R.</u>	<u>P.V.R.</u>	<u>P.V.R.</u>	<u>P.V.R.</u>
31	2021071835	RAMUGADE AVINASH SUBHASH	<u>RAS</u>	<u>RAS</u>	<u>RAS</u>	<u>RAS</u>
32	2021072455	RANE PRITHVIRAJ MAHESH	<u>RAN</u>	<u>RAN</u>	<u>RAN</u>	<u>RAN</u>
33	2021071934	RANMALE SOMNATH BANDOPANT	<u>RNB</u>	<u>RNB</u>	<u>RNB</u>	<u>RNB</u>
34	2021071883	RAUT OMKAR UDAY	<u>ROU</u>	<u>ROU</u>	<u>ROU</u>	<u>ROU</u>
35	2020076278	REDEKAR SNEHAL ARJUN	<u>RESA</u>	<u>RESA</u>	<u>RESA</u>	<u>RESA</u>
36	2021071863	SARNAIK AMIT ASHOK	<u>SAD</u>	<u>SAD</u>	<u>SAD</u>	<u>SAD</u>
37	2021072060	SATHE SWAPNILKUMAR RAJARAM	<u>SBR</u>	<u>SBR</u>	<u>SBR</u>	<u>SBR</u>
38	2021072037	SAWANT POPAT DHANAJI	<u>S.P.D.</u>	<u>S.P.D.</u>	<u>S.P.D.</u>	<u>S.P.D.</u>
39	2020075613	SHINDE SHIVENDRA AJITSINH	<u>Shinde</u>	<u>Shinde</u>	<u>Shinde</u>	<u>Shinde</u>
40	2021071861	SHINDE SOMNATH LAXMAN	<u>SS</u>	<u>SS</u>	<u>SS</u>	<u>SS</u>
41	2021073028	SUTAR ABHISHEK VISHNU	<u>SAV</u>	<u>SAV</u>	<u>SAV</u>	<u>SAV</u>
42	2021072658	TAHASILDAR JAMIR MOULALI	<u>Tam</u>	<u>Tam</u>	<u>Tam</u>	<u>Tam</u>
43	2021071889	TEPUGADE PAVAN MAHENDRA	<u>Tam</u>	<u>Tam</u>	<u>Tam</u>	<u>Tam</u>
44	2020076817	PATIL SHUBHAM SAMBHAJI	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>

HOD  
CIVIL ENGINEERING



VAP COORDINATOR





Dinkarrao K. Shinde Smarak Trust's

# Dr. A. D. Shinde College of Engineering

Accredited by NAAC "B +", ISO 9001:2015 and ISO14001:2015

Approved by AICTE, New Delhi, DTE, Mumbai, Govt. of Maharashtra and Affiliated to Shivaji University, Kolhapur.



## THANKING LETTER

To

Mr. Ganesh Wayal

SCG Design Solutions Pvt Ltd

**Subject: Heartfelt Gratitude for Conducting the ETABS Workshop**

Dear Mr. Ganesh Wayal,

On behalf of Dr. A. D. Shinde College of Engineering and Civil Department WE would like to sincerely thank you for conducting the highly informative and interactive 2-day workshop on ETABS.

Your ability to blend theoretical concepts with practical demonstrations made the sessions engaging and easy to comprehend. The knowledge and insights you provided on structural modelling, analysis, and design using ETABS were truly invaluable and have enriched the learning experience of all participants.

We especially appreciate the clarity with which you explained complex topics and your patience in addressing participants' queries. Your dedication to sharing your expertise and your approachable teaching style have left a positive and lasting impact on everyone involved.

Thank you once again for taking the time to guide us and for making the workshop a great success. We hope to have the privilege of learning from you again in the future.

Warm regards,

Prof: Mr. Amit S. Madakari

H.O.D

H.O.D  
Dept. of Civil Engineering  
Dr. A. D. Shinde College of Engineering  
A/p. Bhadgaon, Gadchिंगल.

Dean-Academics

Principal





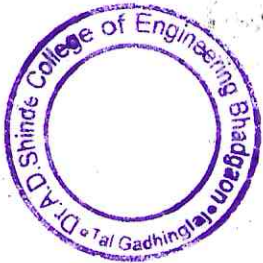




Dinkarrao K Shinde Smarak Trust, Gadhinglaj

# Dr. A. D SHINDE COLLEGE OF ENGINEERING

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



## Department of Civil Engineering Etabs Software CERTIFICATE

This is to certify that Mr./Miss. DADDIKAR SHUBHAM MANOHAR  
Of FINAL YEAR  
has successfully participated / completed the certificate course on Etabs Software, organized by Department  
of Civil Engineering, Dr. A. D SHINDE COLLEGE OF ENGINEERING from 2<sup>nd</sup> April - 5<sup>th</sup> April 2024.

  
Program Coordinator

  
HOD of 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 Etabs Software CERTIFICATE



This is to certify that Mr./Miss. Kamble Shubham Shankar  
of Final Year

has successfully participated / completed the certificate course on Etabs Software, organized by Department  
of Civil Engineering , Dr. A. D SHINDE COLLEGE OF ENGINEERING from 2<sup>nd</sup> April - 5<sup>th</sup> April 2024.

  
Program Coordinator



  
HOD of Civil Dept.

  
Principal



Dinkarrao K. Shinde Smarak Trusts

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

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502

**Department of Civil Engineering**

**Academic Year 2023-24**



## NOTICE

### AutoCAD 2D and 3D Workshop

This is to inform all students that the [Department of Engineering] is organizing a 5-day workshop on AutoCAD 2D and 3D aimed at enhancing technical skills in drafting and design using AutoCAD software. The workshop will cover both 2D and 3D modelling techniques used in engineering and architectural design.

#### Workshop Details:

- Topic: AutoCAD 2D and 3D Training
- Duration: 5 Days
- Dates: 4<sup>th</sup> March 2024 to 8<sup>th</sup> March 2024
- Venue: CAD Lab Mechanical Department Building
- Target Audience: Second Year Civil Engg Students
- Mode: In Person

#### Objectives of the Workshop:

- To provide a comprehensive understanding of AutoCAD 2D drawing techniques.
- To introduce and familiarize students with 3D modeling in AutoCAD.
- To equip students with skills required for practical applications in engineering and design.

#### Registration:

- Interested students are requested to register by 28<sup>th</sup> Feb 2024.
- Please sign up by visiting contacting Prof V.V.Chougule

We encourage all eligible students to take full advantage of this valuable opportunity to enhance their CAD skills!

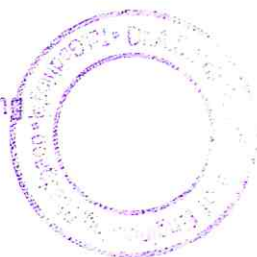
  
HOD

  
VAP Coordinator

  
Academic Coordinator

Civil Engineering

Dept. of Civil Engineering  
Dr. A. D. Shinde College of Engineering  
A/p. Bhadgaon, Gadhinglaj.







Dinkarrao K. Shinde Smarak Trusts

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

Bhadgaon, Gadhinglaj, Dist: Kolhapur Pin:416502

Department of Civil Engineering

**Academic Year 2023-24**

**SYLLABUS**

**Date: 27/02/2024**

## **AutoCAD 2D and 3D Course Outline**

### **Part I: 2D Drafting**

#### **1. Introduction to AutoCAD**

- Overview of AutoCAD and its applications in engineering.
- AutoCAD user interface: Toolbars, menus, workspaces, and command line.
- Basics of CAD drafting and industry standards.

#### **2. Fundamentals of 2D Drawing**

- Basic Drawing Commands: Line, Circle, Arc, Rectangle, Polygon, and Ellipse.
- Coordinate systems: Absolute, relative, and polar coordinates.
- Object snapping (OSNAP) and tracking.

#### **3. Editing and Modifying Tools**

- Modify commands: Move, Copy, Rotate, Scale, Mirror.
- Trim, Extend, Offset, Array, Fillet, Chamfer.
- Explode and Join commands.

#### **4. Layers, Properties, and Organization**

- Creating and managing layers.
- Assigning line types, colors, and weights.
- Layer visibility and locking.

#### **Annotations and Dimensioning**

- Adding text and annotations.
- Dimensioning tools: Linear, Angular, Radius, Diameter.
- Editing and customizing dimension styles.

#### **6. Working with Blocks and Attributes**

- Creating and using blocks.
- Editing and redefining blocks.
- Introduction to dynamic blocks and attributes.

#### **7. Layouts and Printing**

- Introduction to layouts and paper space.
- Setting up viewports and scales.
- Printing and plotting drawings with proper settings.



## 8. Hands-on 2D Project

- Creating engineering-specific 2D drawings:
  - Civil Engineering: Floor plans and elevation views.
  - Mechanical Engineering: Machine part drawings.
  - Electrical Engineering: Circuit and wiring diagrams.

## Part 2: 3D Modeling

### 1. Introduction to 3D Modeling

- Understanding 3D modeling concepts.
- Switching from 2D drafting to 3D modeling workspace.
- Introduction to 3D coordinate systems.

### 2. Basic 3D Tools

- Creating basic 3D objects: Box, Sphere, Cylinder, Cone, Wedge, and Torus.
- Drawing and editing 3D wireframes.

### 3. Solid and Surface Modeling

- Creating solids using Extrude, Revolve, Loft, and Sweep.
- Editing solids with Boolean operations: Union, Subtract, Intersect.
- Working with surfaces and meshes.

### 4. Modifying 3D Models

- Fillet and Chamfer in 3D.
- Slice, Shell, and Offset commands.
- Using Gizmo tools for moving, rotating, and scaling.

### 5. Visualization and Rendering

- Adding materials and textures to 3D models.
- Setting up lights and cameras.
- Rendering tools and creating realistic visualizations.

### 6. 3D Annotations and Output

- Adding dimensions and annotations to 3D models.
- Exporting 3D models to other formats.
- Preparing 3D models for 3D printing (STL file export).

### 7. Advanced 3D Modeling Techniques

- Working with complex geometries and assemblies.
- Introduction to parametric design.
- Customizing views and creating walkthroughs.





#### 8. Hands-on 3D Project

- Developing a complete 3D model:
  - Civil Engineering: Building or bridge structure.
  - Mechanical Engineering: Machine part assembly.
  - Electrical Engineering: Cable routing in 3D.

**Note: Demonstration only of Live projects related to Mechanical and Electrical**

#### Part 3: Final Assessment and Certification

- Project Presentation: Students present their 2D and 3D projects.
- Evaluation: Feedback and assessment of projects.
- Certification of course completion



VAP Coordinator



Academic Coordinator



HOD

Dept. of Civil Engineering  
Dr.A.D Shinde College of Engineering  
A/C Bhadgaon, Gadchiglai.





Dinkarrao K. Shinde Smarak Trust's

# Dr. A. D. Shinde College of Engineering

Accredited by NAAC "B +", ISO 9001:2015 and ISO14001:2015

Approved by AICTE, New Delhi, DTE, Mumbai, Govt. of Maharashtra and Affiliated to Shivaji University, Kolhapur.



Ref:

## INVITATION LETTER

To,  
Mr. Ganesh Shinde

DNA Consultants, Pune

**Subject:** Invitation to Conduct a Training Session on *AUTO CADD 2-D & 3 D*

Dear Mr. Ganesh Shinde

We are pleased to invite you to conduct a specialized training session on *AUTO CADD 2D & 3D* for our participants from Second year Civil Engineering students from Dr. A. D. Shinde College of Engineering, Bhadgaon

Your expertise in structural analysis and design using *AUTO CADD*, coupled with your proven ability to impart knowledge effectively, makes you the ideal choice for this training. The session aims to equip participants with a thorough understanding of the software and its applications in real-world structural engineering projects.

The details of the session are as follows:

- **Topic:** *AUTO CADD* – Drafting Software
- **Duration:** 5 day workshop
- **Dates:** 4<sup>th</sup> March 2024-8<sup>th</sup> March 2024
- **Venue:** CAD Lab Mechanical Department Building
- **Participants:** 42 students + 6 faculty

We are confident that your guidance will be invaluable in enhancing the technical proficiency and confidence of our participants. Please confirm your availability for the proposed dates at your earliest convenience. Should you require any specific resources or arrangements for the session, do not hesitate to inform us.

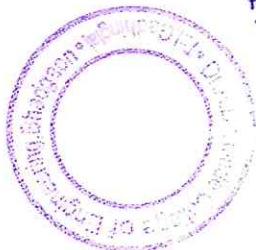
Thank you for considering our invitation. We look forward to your positive response and to the opportunity of hosting this session with your support.

Warm regards

Prof. Mr. Amit S. Madakari

H.O.D

Dept. of Civil Engineering  
Dr. A. D. Shinde College of Engineering  
A/p. Bhadgaon, Gadhinglaj.



for   
Dean-Academic

Principal





Dinkarrao K. Shinde Smarak Trust's

# Dr. A. D. Shinde College of Engineering

Accredited by NAAC "B +", ISO 9001:2015 and ISO14001:2015

Approved by AICTE, New Delhi, DTE, Mumbai, Govt. of Maharashtra and Affiliated to Shivaji University, Kolhapur



## AutoCAD 2D and 3D Training Report

Date of Report Submission: 12<sup>th</sup> March 2024

### 1. Introduction

The Department of Civil Engineering successfully conducted a workshop on *AutoCAD 2D and 3D* from 4<sup>th</sup> March 2024 to 8<sup>th</sup> March 2024. This workshop aimed to provide students with hands-on experience in using AutoCAD for drafting and design in both two-dimensional and three-dimensional environments.

### 2. Objectives

The primary objectives of the workshop were:

- To familiarize students with the basic and advanced functionalities of AutoCAD.
- To develop students' skills in creating precise 2D drawings and 3D models.
- To enhance their technical competency in applying design concepts to engineering projects.

### 3. Workshop Details

- Dates: 4<sup>th</sup> March 2024 to 8<sup>th</sup> March 2024
- Venue: CADD Lab MECHANICAL ENGG DEPARTMENT
- Target Audience: Second Year Civil Engineering students
- Trainer: Mr. Ganesh Shinde, Senior Engineer DNA Consultants, Pune 8 years experience in the same domain
- Duration: 5 days { 10 am to 4 .00 pm }
- Mode: In-person

### 4. Workshop Activities

The workshop comprised the following sessions:

Day 1-2: *Introduction to AutoCAD 2D*

- Overview of AutoCAD interface and basic tools.
- Creation and editing of 2D drawings.
- Practical exercises on linework, dimensions, and annotations.



#### Day 3-4: *Introduction to AutoCAD 3D*

- Overview of 3D modeling tools and workspace.
- Techniques for creating 3D objects (extrude, revolve, sweep).
- Editing 3D models and visualization techniques.

#### Day 5: *Advanced Applications and Project Work*

- Integration of 2D and 3D design in a single project.
- Real-world application exercises.
- Final assessment and feedback session.

### 5. Outcome

The workshop successfully achieved its objectives, with students demonstrating significant improvement in their ability to:

- Create accurate 2D drawings.
- Develop and manipulate 3D models.
- Apply AutoCAD tools to solve design problems in engineering contexts.

### 6. Acknowledgments

We extend our heartfelt gratitude to:

- Mr. Ganesh Shinde for their excellent guidance and knowledge-sharing.
- Miss VV Chougule for organizing the event seamlessly.
- Participants for their active engagement throughout the workshop.

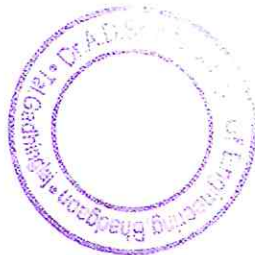
### 8. Conclusion

The AutoCAD 2D and 3D workshop was a resounding success, providing students with essential technical skills that will enhance their academic and professional journey. We look forward to conducting similar workshops in the future to continue fostering technical excellence among our students.

  
HOD

Civil Engineering

Dept. of Civil Engineering  
Dr. A.D. Shinde College of Engineering  
A/p. Bhadgaon, Gadhinglaj.



  
VAP Coordinator





Dinkarrao K. Shinde Smarak Trusts

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

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502

**Department of Civil Engineering**

**Academic Year 2023-24**



## Attendance Sheet

### AUTO CADD 2 D & 3 D Workshop

Sr	PRN	Name of the Student					
1	2023067598	Alase Sourabh Sanjay	Alase	Alase	Alase	Alase	Alase
2	2023065365	Bhalekar Ratan Ramesh	Bhalekar	Bhalekar	Bhalekar	Bhalekar	Bhalekar
3	2023077291	Bhoite Ajinkya Dattatray	Bhoite	Bhoite	Bhoite	Bhoite	Bhoite
4	2023071440	Bhokare Sundar Dagadu	Bhokare	Bhokare	Bhokare	Bhokare	Bhokare
5	2023077318	Chavan Rushikesh Ramchandra	R.R.C	R.R.C	R.R.C	R.R.C	R.R.C
6	2022078445	Chougule Shridhar Baburao	SBC	SBC	SBC	SBC	SBC
7	2023077307	Delekar Prasad Rajendra	PRD	PRD	PRD	PRD	PRD
8	2023077313	Desai Seema Prakash	Desai	Desai	Desai	Desai	Desai
9	2023065397	Dhadke Mangesh Kamlakar	SDK	SDK	SDK	SDK	SDK
10	2023077730	Ghatage Vaibhav Namdev	GV	GV	GV	GV	GV
11	2023077282	Hodage Deelip Gopal	H.D.G.	H.D.G.	H.D.G.	H.D.G.	H.D.G.
12	2023065378	Jadhav Prajwal Pandharinat	JP	JP	JP	JP	JP
13	2023065392	Jadhav Digambar Ramesh	JDR	JDR	JDR	JDR	JDR
14	2023065390	Kazi Mustkim Abdul	K.M.A	K.M.A	K.M.A	K.M.A	K.M.A
15	2023080255	Kerle Aditya Anil	Kerle	Kerle	Kerle	Kerle	Kerle
16	2023077294	Khade Adarsh Vishwas	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
17	2023078753	Kokitkar Jotiba Shankar	S.M.L	S.M.L	S.M.L	S.M.L	S.M.L
18	2023077306	Latakar Shrinivas Mahaveer	Latakar	Latakar	Latakar	Latakar	Latakar
19	2023077314	Mane Dhairyashil Ashok	Mane	Mane	Mane	Mane	Mane
20	2023058797	Morbale Vijay Sambhaji	Vmbale	Vmbale	Vmbale	Vmbale	Vmbale
21	2023077833	More Sanika Sunil	More	More	More	More	More
22	2023080311	Nandawdekar Amit Dhondiba	Amnand	Amnand	Amnand	Amnand	Amnand
23	2023065384	Parulekar Shriram Digambar	Parulekar	Parulekar	Parulekar	Parulekar	Parulekar
24	2023077843	Patil Akshay Ananda	Apatti	Apatti	Apatti	Apatti	Apatti
25	2023077747	Patil Omkar Tanaji	Tankar	Tankar	Tankar	Tankar	Tankar
26	2023077308	Patil Pratik Tanaji	Patil	Patil	Patil	Patil	Patil





Dinkarrao K. Shinde Smarak Trusts

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

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502

**Department of Civil Engineering**

**Academic Year 2023-24**



27	2023079126	Patil Roheet Sakharam	RSP	RSP	RSP	RSP	RSP
28	2023065389	Patil Shubham Krishna	S.K.Pat	S.K.Pat	S.K.Pat	S.K.Pat	S.K.Pat
29	2023077310	Patil Umesh Sitaram	P	UP	UP	UP	UP
30	2023077853	Pednekar Anurag Ankush	AA	AA	AA	AA	AA
31	2023077304	Potdar Shubham Krishnat	shubham	shubham	shubham	shubham	shubham
32	2023060134	Powar Abhimanyu Anil	A.A.P	A.A.P	A.A.P	A.A.P	A.A.P
33	2023080289	Rabakavi Sachin Narasappa	Sachin	Sachin	Sachin	Sachin	Sachin
34	2023079035	Repe Shruti Maruti	Repe	Repe	Repe	Repe	Repe
35	2023065382	Sarnaik Sourabh Rangrao	Sarnaik	Sarnaik	Sarnaik	Sarnaik	Sarnaik
36	2023077810	Sawant Shrikrishna Maruti	Sawant	Sawant	Sawant	Sawant	Sawant
37	2023065388	Sidruk Aniket Lahu	Sidruk	Sidruk	Sidruk	Sidruk	Sidruk
38	2023077848	Todkar Rashmi Maruti	Todkar	Todkar	Todkar	Todkar	Todkar
39	2023077329	Vasudev Kunal Baban	Vasudev	Vasudev	Vasudev	Vasudev	Vasudev
40	2023077331	Vhatkar Yash Umesh	Vhatkar	Vhatkar	Vhatkar	Vhatkar	Vhatkar

*[Signature]*

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

Hod

Civil Engineering

*[Signature]*

VAP Coordinator







Dinkarrao K. Shinde Smarak Trust's

# Dr. A. D. Shinde College of Engineering

Accredited by NAAC "B +", ISO 9001:2015 and ISO14001:2015

Approved by AICTE, New Delhi, DTE, Mumbai, Govt. of Maharashtra and Affiliated to Shivaji University, Kolhapur.



## THANKING LETTER

To

**Mr. Ganesh Shinde**  
Senior Engineer

DNA Consultants

**Subject: Heartfelt Thanks for Conducting the AutoCAD 2D and 3D Training Session**

Dear **Mr. Ganesh Shinde**

On behalf of Dr.A.D.Shinde College of Engineering ,Bhadgoan and Civil Department and all the participants, We would like to extend our heartfelt gratitude to you for conducting the insightful and engaging 5-day session on AutoCAD 2D and 3D.

Your expertise and passion for the subject were evident throughout the training, and your ability to simplify complex concepts made it easier for all of us to grasp and apply them effectively. The practical demonstrations, hands-on exercises, and real-world applications you shared have significantly enhanced our understanding of AutoCAD.

The knowledge and skills imparted during these sessions will undoubtedly prove invaluable as we move forward in our respective fields. We truly appreciate the time and effort you dedicated to making this training a great success.

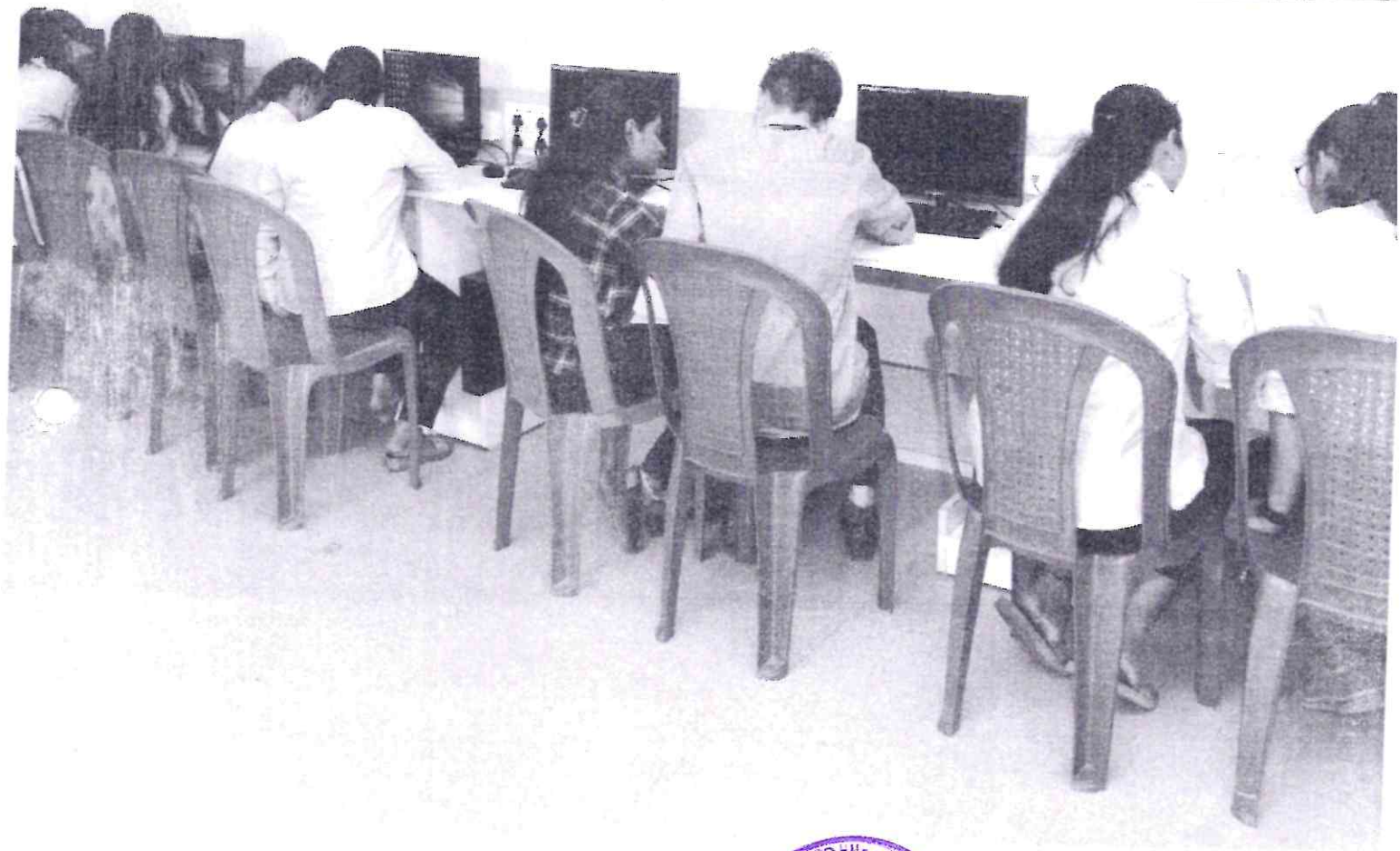
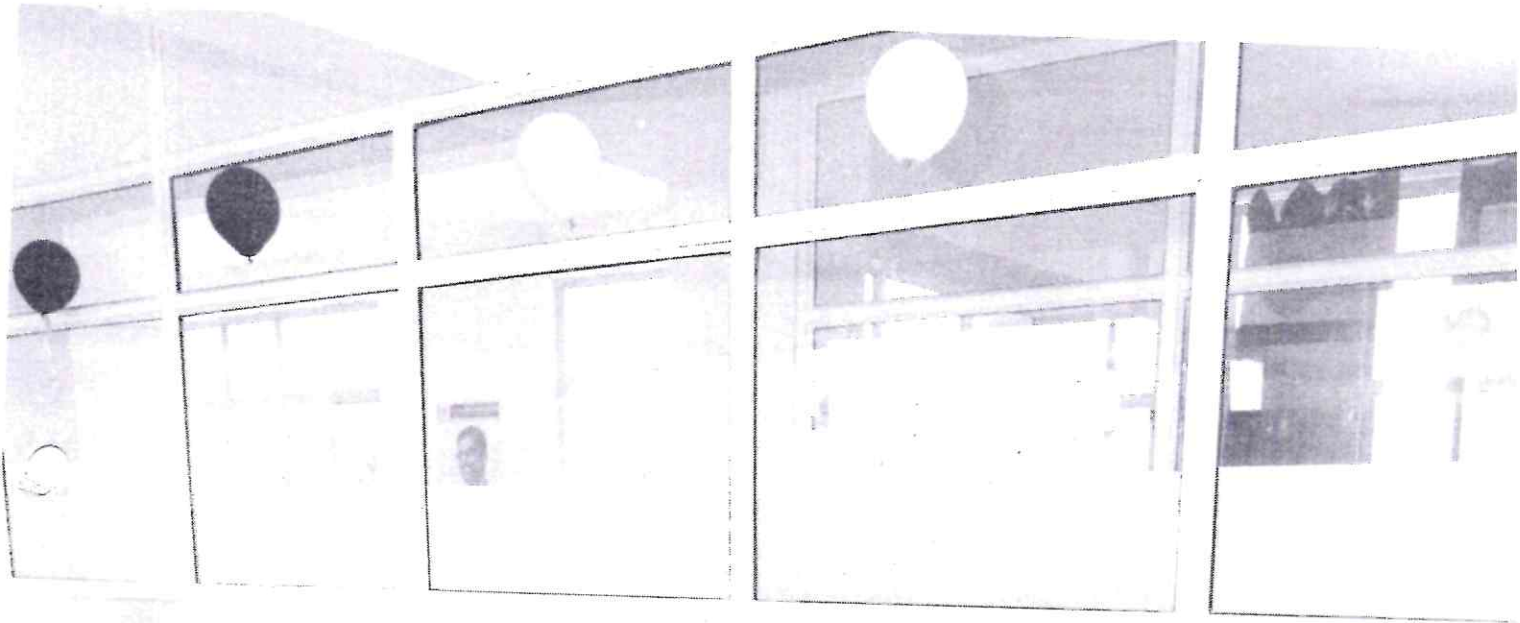
We hope to have the pleasure of collaborating with you again in the future. Once again, thank you for your excellent guidance and for sharing your wealth of knowledge with us:

Warm regards,

**Prof: Mr. Amit S. Madakari**

**HOD**  
Dept. of Civil Engineering  
Dr. A. D. Shinde College of Engineering,  
A/p. Bhadgaon, Gadchiroli.

  
**Dean-Academics**  
**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 Auto CAD 2 D & 3D Software

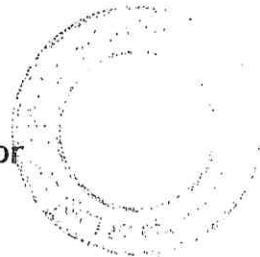
### Certificate




This is to certify that Mr./Miss. BHOKARE SUNDAR DAGADU  
Of II<sup>nd</sup> YEAR

has successfully participated / completed the Workshop on Auto CAD 3D Software , organized by  
Department of Civil , Dr. A. D SHINDE COLLEGE OF ENGINEERING from 04<sup>th</sup> March to 8<sup>th</sup> April, 2024

  
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 Auto CAD 2 D & 3D Software

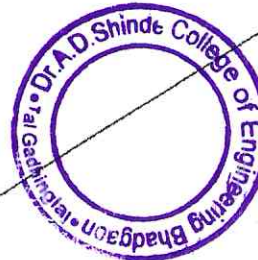
### Certificate

This is to certify that Mr./M<sup>rs</sup>. Atase Saurabh Sanjay  
Of Second Year

has successfully participated / completed the Workshop on Auto CAD 3D Software , organized by  
Department of Civil , Dr. A. D SHINDE COLLEGE OF ENGINEERING from 04<sup>th</sup> March to 8<sup>th</sup> April, 2024

  
Program Coordinator



Head of the Civil Dept.



  
Principal






	<p style="text-align: center;">Dinkarrao K. Shinde Smarak Trusts</p> <p style="text-align: center;"><b>DR. A. D. SHINDE COLLEGE OF ENGINEERING</b></p> <p style="text-align: center;">Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502</p> <p style="text-align: center;"><b>Academic Year 2023-24</b></p> <p style="text-align: center;"><b>Department of Mechanical Engineering</b></p>	
---	---	---

## DEPARTMENT OF MECHANICAL ENGINEERING

### VALUE ADDED COURSES

ACADEMIC YEAR	CLASS	NAME OF THE WORKSHOP	DATE & DURATION	STUDENT COUNT
2023-24	TY, LY	WORKSHOP ON ADDITIVE MANUFACTURING (3-D PRINTING)	06,07,13,14,20,21 JAN-2024	98
	SY	WORKSHOP ON NON DESTRUCTIVE TESTING(NDT)	02,03,09,10,16,17 MARCH - 2024	42

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



Certificate Course  
on  
**“WORKSHOP ON ADDITIVE  
MANUFACTURING (3-D  
PRINTING)”**

**Duration:** 06, 07, 13, 14, 20, 21 JAN-2024

**Class:** TY, LY (Div.: A & B)

**SEM:** VI, VIII







Dinkarrao K. Shinde Smarak Trusts

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

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502

**Academic Year 2023-24**

**Department of Mechanical Engineering**




Date: 29/12/2023


## NOTICE

All the students of mechanical engineering department of Dr. A. D. Shinde college of engineering, Bhadgaon, are informed that we are going to organize the certification course for final year and third year students on Additive manufacturing (3-D printing) by Mr. Harsh Ghodake is scheduled from 6<sup>th</sup> Jan. 2024 to 21<sup>th</sup> Jan. 2024. 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.

  
PROGRAM CO- ORDINATOR



  
29/12/23  
HOD  
Dept of Mechanical 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 2023-24**

**Department of Mechanical Engineering**



**DEPARTMENT OF MECHANICAL ENGINEERING**

**SYLLABUS FOR WORKSHOP ON**


**ADDITIVE MANUFACTURING (3-D PRINTING)**

**Duration: 6,7,13,14,20,21 Jan. 2024**


**CLASS: B. Tech- Final Year, T.Y**

**A.Y: 2023-24**

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



  
HOD  
HOD  
Dept. of Mechanical Engg.  
Dr. A. D. Shinde College of Engg.  
Bhadgaon, Ta. Gadhinglaj.





Dinkarrao K. Shinde Smarak Trusts

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

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502

**Academic Year 2023-24**

**Department of Mechanical Engineering**



**DEPARTMENT OF MECHANICAL ENGINEERING**

**WORKSHOP ON**

**ADDITIVE MANUFACTURING (3-D PRINTING)**

**Duration: 6,7,13,14,20,21 Jan. 2024**

**CLASS: B. Tech Final Year, T.Y**

**A.Y: 2023-24**

**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




HOD  
HOD

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

DR.A.D.SHINDE COLLEGE OF ENGINEERING,GADHINGLAJ								
DEPARTMENT OF MECHANICAL ENGINEERING								
WORKSHOP ON ADDITIVE MANUFACTURING (3-D PRINTING)								
Roll.No	PRN	Student Name	6/1/2024	7/1/2024	13/1/2024	14/1/2024	20/1/2024	21/1/2024
1	2022087049	ASWALE SAMIR PRABHAKAR	Samir	Samir	Samir	Samir	Samir	Samir
2	2020075741	AWADAN NILESH NARAYAN	Nilesh	Nilesh	Nilesh	Nilesh	Nilesh	Nilesh
3	2022086799	DESAI JAYANT KHANDERAU	Jayant	Jayant	Jayant	Jayant	Jayant	Jayant
4	2022086987	DESAI PRAVIN SHIVGONDA	Pravin	Pravin	Pravin	Pravin	Pravin	Pravin
5	2022086986	DHANAWDE NIKHIL MARUTI	Nikhil	Nikhil	Nikhil	Nikhil	Nikhil	Nikhil
6	2022087089	HODAGE AVINASH RAJENDRA	Avinash	Avinash	Avinash	Avinash	Avinash	Avinash
7	2021071690	JADHAV NITEESH DASHARATH	Niteesh	Niteesh	Niteesh	Niteesh	Niteesh	Niteesh
8	2022087074	MINACHE SOURABH ANIL	Sourabh	Sourabh	Sourabh	Sourabh	Sourabh	Sourabh
9	2022086731	PATIL RAHUL SHIVAJI	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul
10	2022086447	PATIL AKSHAYKUMAR PRAKASH	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay
11	2021073356	PATIL PRASHANT KAKAJI	Prashant	Prashant	Prashant	Prashant	Prashant	Prashant
12	2022086981	PATIL RUTUJA RAVINDRA	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja
13	2022078871	PATIL SHWETA SUBHASH	Shweta	Shweta	Shweta	Shweta	Shweta	Shweta
14	2018092704	PATIL YOGESH RAGHUNATHA	Yogesh	Yogesh	Yogesh	Yogesh	Yogesh	Yogesh
15	2022086971	RAMASE ROHIT YUVRAJ	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit
16	2022079008	SONALE DIPAK BALASO	Dipak	Dipak	Dipak	Dipak	Dipak	Dipak
17	2022086385	SONU SAURAV ASHOK KUMAR SINGH	Sonu	Sonu	Sonu	Sonu	Sonu	Sonu
18	2022086972	SURYAVANSHI PRATIKSHA DHONDIRAM	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha	Pratiksha
19	2021072485	TEJAM SHUBHAM DNYANDEV	Shubham	Shubham	Shubham	Shubham	Shubham	Shubham



  
**HOD**  
 Dept. of Mechanical Engg.  
 Dr. A.D. Shinde College of Engg.  
 Bhadgaon, Tal. Solapur



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

## DEPARMENT OF MECHANICAL ENGINEERING

## WORKSHOP ON ADDITIVE MANUFACTURING (3-D PRINTING)

Duration: 06,07,13,14,20,21 JAN-2024 Class: LY Div: A

ROLL.N o	PRN	Student Name	6/1/2024	7/1/2024	13/1/2024	14/1/2024	20/1/2024	21/1/2024
1	2021072703	ATTAR ALFAJ SHOUKAT	Al	Al	Al	Al	Al	Al
2	2020075885	AWADAN OMKAR DASHRATH	Om	Om	Om	Om	Om	Om
3	2021072814	BHIUNGADE AKASH PANDURANG	As	As	As	As	As	As
4	2021072446	BHOSALE ABHIJIT BABURAO	Ab	Ab	Ab	Ab	Ab	Ab
5	2021072316	BHOSALE ROHIT UTTAM	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit
6	2021072042	BIROJE RAKESH BHANUDAS	Rak	Rak	Rak	Rak	Rak	Rak
7	2021072486	BORGAVE TUSHAR SUHAS	Tush	Tush	Tush	Tush	Tush	Tush
8	2021072800	BUDAKE KIRAN APPA	Kir	Kir	Kir	Kir	Kir	Kir
9	2021072667	CHAVAN OMKAR BABASAHEB	Om	Om	Om	Om	Om	Om
10	2020075761	CHAVAN SAGAR SURESH	Sagar	Sagar	Sagar	Sagar	Sagar	Sagar
11	2021072702	CHILAMI SUNNYKUMAR DEVAPPA	Chis	Chis	Chis	Chis	Chis	Chis
12	2021072437	CHIMANE ARVIND HARIBHAU	Ar	Ar	Ar	Ar	Ar	Ar
13	2021072247	CHOUGALE ONKAR TANAJI	On	On	On	On	On	On
14	2020075740	DALAVI RAHUL BALU	Rah	Rah	Rah	Rah	Rah	Rah
15	2015009691	DAPHALE SURAJ BALKRISHNA	DPS	DPS	DPS	DPS	DPS	DPS
16	2020075812	DELEKAR RAJVARDDHAN ANIL	Raj	Raj	Raj	Raj	Raj	Raj
17	2021072336	DHOBAL SACHIN DILIP	Sach	Sach	Sach	Sach	Sach	Sach
18	2021072698	GAWADE PRATHAMESH SOMA	Pr	Pr	Pr	Pr	Pr	Pr
19	2021072426	GHATAGE PRATHAMESH ASHOK	Pr	Pr	Pr	Pr	Pr	Pr
20	2021072000	GONI PRUTHVIRAJ VIJAY	Pr	Pr	Pr	Pr	Pr	Pr
21	2021072721	GURAV ATUL BABURAO	Atul	Atul	Atul	Atul	Atul	Atul
22	2021072625	HARUGALE ROHIT ARJUN	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit
23	2020075666	HATTARKI SHASHANK BHIMGONDA	Sh	Sh	Sh	Sh	Sh	Sh
24	2021072473	INAMDAR PRASAD GANPAT	Pr	Pr	Pr	Pr	Pr	Pr
25	2021072493	JADHAV BHUSHAN SUJIT	Bh	Bh	Bh	Bh	Bh	Bh
26	2020076193	JAGTAP SHUBHAM BHAUSAHEB	Shub	Shub	Shub	Shub	Shub	Shub







58	2021072246	PATIL PRABODHAN BABASAHEB	PB	Pr	Pr	Pr	Pr	Pr
59	2021072044	PATIL PRADIP PANDURANG	Pr	Pr	Pr	Pr	Pr	Pr
60	2021071996	PATIL PRATIK PRAKASH	Pr	Pr	Pr	Pr	Pr	Pr

*[Handwritten Signature]*

HOD

Dept. of Mechanical Engg.  
Dr. A.D. Shinde College of Engg  
Bhadgaon, Ta. Sachin, Dist. Solapur



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

## DEPARMENT OF MECHANICAL ENGINEERING

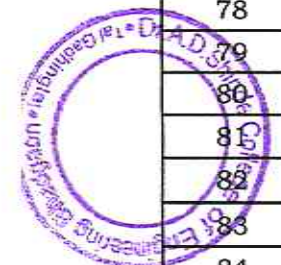
## WORKSHOP ON ADDITIVE MANUFACTURING (3-D PRINTING)

Duration: 06,07,13,14,20,21 JAN-2024

Class:LY

Div: B

ROLL.N o	PRN	Student Name	6/1/2024	7/1/2024	13/1/2024	14/1/2024	20/1/2024	21/1/2024
61	2021072687	PATIL ROHIT RAMGONDA	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit
62	2021072476	PATIL SAINATH BHARAT	Sainath	Sainath	Sainath	Sainath	Sainath	Sainath
63	2021072562	PATIL SHRIDHAR APPANGONDA	Shridhar	Shridhar	Shridhar	Shridhar	Shridhar	Shridhar
64	2021072025	PATIL SHUBHAM GANPAT *			AB			
65	2021072492	PATIL SUHAS TANAJI	Suhas	Suhas	Suhas	Suhas	Suhas	Suhas
66	2021072290	PATIL SUJIT SUBHASH	Sujit	Sujit	Sujit	Sujit	Sujit	Sujit
67	2021073533	PATIL YOGESH NARAYAN	Y.P.	Y.P.	Y.P.	Y.P.	Y.P.	Y.P.
68	2021073590	RAUT VAIBHAV ANANDRAO	Raut	Raut	Raut	Raut	Raut	Raut
69	2021072066	RAVAL ROHAN RAVINDRA	R.R.V	R.R.V	R.R.V	R.R.V	R.R.V	R.R.V
70	2021071994	SANKAPAL SANTOSH ANANDA	SSP	SSP	SSP	SSP	SSP	SSP
71	2021072491	SANKPAL SHUBHAM SARJERAO	(S)	(S)	(S)	(S)	(S)	(S)
72	2021072047	SATARDEKAR BHUSHAN MOHAN	SB	SB	SB	SB	SB	SB
73	2021072276	SAVANT RAJESH RAMESH	SPR	SPR	SPR	SPR	SPR	SPR
74	2021072438	SAWANT TUSHAR VITTHAL	Sawant	Sawant	Sawant	Sawant	Sawant	Sawant
75	2021072595	SHINDE PRATIK MAHADEV	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde
76	2021072712	SHINDE SARVESH SAMBHAI	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde
77	2021072470	SHINDE SUNIL SURESH	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil
78	2021072470	SHIPURKAR TUSHAR VASANT	ST	ST	ST	ST	ST	ST
79	2021072332	SHIVANE VINAYAK SANJAY	SVS	SVS	SVS	SVS	SVS	SVS
80	2021072068	SOKASANE UDAY BALAVANT	SUB	SUB	SUB	SUB	SUB	SUB
81	2021073813	SONAR ANANT SHRIKANT	SONAR	SONAR	SONAR	SONAR	SONAR	SONAR
82	2021072576	SOUNDALKAR PRAFHUL SANJAY	SPS	SPS	SPS	SPS	SPS	SPS
83	2021071906	SUPAL VINAYAK BHIMRAO	BS	BS	BS	BS	BS	BS
84	2021072727	SUTAR SURAJ DINKAR	DS	DS	DS	DS	DS	DS
85	2021072323	TADE SAMARTH BABARAJE	BT	BT	BT	BT	BT	BT
86	2021073819	TALASKAR AVADHUT ALIS ABHIJEET A	TAV	TAV	TAV	TAV	TAV	TAV



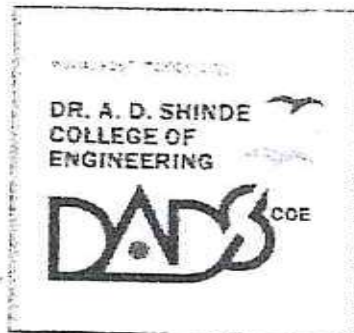


87	2021072490	TARALI SUMIT SOMNATH	<del>ST</del>	<del>ST</del>	<del>ST</del>	<del>ST</del>	<del>ST</del>	<del>ST</del>
88	2021072240	THAKAR SUSHANT SAMBHAJI	<del>ST</del>	<del>ST</del>	<del>ST</del>	<del>ST</del>	<del>ST</del>	<del>ST</del>
89	2021072260	YADAV SHUBHAM SAMBHAJI	<del>ST</del>	<del>ST</del>	<del>ST</del>	<del>ST</del>	<del>ST</del>	<del>ST</del>
90	2021072270	ZURE SOURABH VISHWAMBHAR	<del>ST</del>	<del>ST</del>	<del>ST</del>	<del>ST</del>	<del>ST</del>	<del>ST</del>
91	2021072482	PATIL SHILPA SANJAY *	<del>ST</del>	<del>ST</del>	AB	<del>ST</del>	<del>ST</del>	<del>ST</del>
92	2021072339	PATIL SIDDHANT DATTATRAY *	<del>ST</del>	<del>ST</del>	AB	<del>ST</del>	<del>ST</del>	<del>ST</del>



*[Signature]*  
HOD

Dept. of Mechanical Engg.  
D. S. Shinde College of Engg.  
Bhadgaon, Tal. Sachin, Dist. Solapur.



Dinkarrao K. Shinde Smarak Trust, Gadhinglaj

Dr. A. D. SHINDE COLLEGE OF ENGINEERING

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



Department of Mechanical Engineering

**WORKSHOP ON ADDITIVE MANUFACTURING (3-D PRINTING)**  
**CERTIFICATE**

This is to certify that Mr./Miss. Hodage Avinash Rajendra  
of TY BTech Mechanical Engineering

Has successfully participated / completed the certificate course on ADDITIVE MANUFACTURING (3-D PRINTING) organized by  
Department of Mechanical Engineering , Dr. A. D SHINDE COLLEGE OF ENGINEERING from 6<sup>th</sup> Jan. to 21<sup>th</sup> Jan 2024.

  
Program Coordinator

  
HOD Mech. Dept.



  
Principal



Certificate Course  
on  
**“WORKSHOP ON  
NON DESTRUCTIVE TESTING  
(NDT)”**

**Duration:** 02, 03, 09, 10, 16, 17 MARCH - 2024

**Class:** SY

**SEM:** IV





Dinkarrao K. Shinde Smarak Trusts

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

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502

**Academic Year 2023-24**

**Department of Mechanical Engineering**



Date: 26/02/2024

## NOTICE

All the students of Mechanical Engineering department of Dr. A. D. Shinde college of Engineering, Bhadgaon, are informed that we are going to organize the certification course for final year and third year students on Non destructive testing (NDT) by Mr. R. M. Patil is scheduled from 2<sup>nd</sup> March 2024 to 21<sup>st</sup> March 2024. 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.

PROGRAM CO- ORDINATOR

  
26/02/24  
HOD

Dept of Mechanical 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 2023-24**

**Department of Mechanical Engineering**



**DEPARTMENT OF MECHANICAL ENGINEERING**

**SYALLABUS FOR WORKSHOP ON**


**NON DESTRUCTIVE TESTING (NDT)**

**Duration: 2, 3, 9, 10, 16, 17 March 2024**

**CLASS: S.Y**

**A.Y: 2023-24**

1. Introduction to Non-Destructive Testing
2. Methods of NDT
3. Instrumentation and Equipment
4. Hands-On Training
5. Applications of NDT
6. Current Trends and Advancements

  
PROGRAM CO- ORDINATOR



  
HOD  
HOD  
Dept. of Mechanical 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 2023-24**

**Department of Mechanical Engineering**



**DEPARTMENT OF MECHANICAL ENGINEERING**

**WORKSHOP ON**

**NON DESTRUCTIVE TESTING (NDT)**

**Duration: 2, 3, 9, 10, 16, 17 March 2024**

**CLASS: S.Y**

**A.Y: 2023-24**

**COURSE OUTCOMES**

- 1. Skill Development:** Participants gained technical skills to identify and evaluate material defects.
- 2. Industry Readiness:** Enhanced employability in sectors like aerospace, construction, and manufacturing.
- 3. Certification Preparation:** Participants were prepared to pursue NDT Level I/II certifications.

PROGRAM CO- ORDINATOR

HOD  
HOD

Dept. of Mechanical 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 2023-24**

**Department of Mechanical Engineering**



**DEPARTMENT OF MECHANICAL ENGINEERING**

**WORKSHOP ON**

**NON DESTRUCTIVE TESTING (NDT)**

**Duration: 2, 3, 9, 10, 16, 17 March 2024**

**CLASS: S.Y**

**A.Y: 2023-24**

**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

Dept. of Mechanical 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 2023-24**

**Department of Mechanical Engineering**



## **REPORT**

The Department of Mechanical engineering conducted a certificate course on WORKSHOP ON NON DESTRUCTIVE TESTING (NDT) form 2, 3, 9, 10, 16, 17 March 2024. Non-Destructive Testing (NDT) is a vital field in engineering used to inspect and evaluate the properties of materials, components, or systems without causing any damage. This value-added course was designed to equip participants with theoretical knowledge and practical skills in NDT methods, emphasizing their application in ensuring safety, quality, and reliability in various industries. Total 45 of S.Y Mechanical engineering student participated in this certificate course. All the faculty members from the Mechanical department worked actively for the successful completion of certificate course.

**The Course outcomes for this course are**

**Skill Development:** Participants gained technical skills to identify and evaluate material defects.

**Industry Readiness:** Enhanced employability in sectors like aerospace, construction, and manufacturing.

**Certification Preparation:** Participants were prepared to pursue NDT Level I/II certifications.

PROGRAM CO- ORDINATOR



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



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

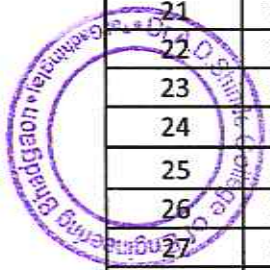
**DEPARMENT OF MECHANICAL ENGINEERING**

**WORKSHOP ON NON DESTRUCTIVE TESTING(NDT)**

Duration: 02, 03, 09, 10, 16,17 MARCH - 2024

Class: SY

ROLL NO	PRN NO	STUDENT NAME	2-Mar-24	03-Mar-2024	9-Mar-24	10-Mar-24	16-Mar-24	17-Mar-24
1	2023042895	BELEKAR ANIKET KRUSHNAT	<i>Belekar</i>	<i>Belekar</i>	<i>Belekar</i>	<i>Belekar</i>	<i>Belekar</i>	<i>Belekar</i>
2	2023063168	BHAKARI GAUTAM MAHESHKUMAR	<i>Bhakar</i>	<i>Bhakar</i>	<i>Bhakar</i>	<i>Bhakar</i>	<i>Bhakar</i>	<i>Bhakar</i>
3	2023048084	BHARMAL ANMOL SACHIN	<i>Bharmal</i>	<i>Bharmal</i>	<i>Bharmal</i>	<i>Bharmal</i>	<i>Bharmal</i>	<i>Bharmal</i>
4	2023048351	BHOSALE SIDDHESH RAJENDRA	<i>Bhosale</i>	<i>Bhosale</i>	<i>Bhosale</i>	<i>Bhosale</i>	<i>Bhosale</i>	<i>Bhosale</i>
5	2023081768	CHAUHAN MANRAJ PRABHUNATH	<i>Chauhan</i>	<i>Chauhan</i>	<i>Chauhan</i>	<i>Chauhan</i>	<i>Chauhan</i>	<i>Chauhan</i>
6	2023080942	CHOUGULE SHIVRAJ VIJAYKUMAR	<i>Chougule</i>	<i>Chougule</i>	<i>Chougule</i>	<i>Chougule</i>	<i>Chougule</i>	<i>Chougule</i>
7	2023065339	DEODHAR SWANAND DHANANJAY	<i>Deodhar</i>	<i>Deodhar</i>	<i>Deodhar</i>	<i>Deodhar</i>	<i>Deodhar</i>	<i>Deodhar</i>
8	2023044485	DESAI HRISHIKESH SHRIDHAR	<i>Desai</i>	<i>Desai</i>	<i>Desai</i>	<i>Desai</i>	<i>Desai</i>	<i>Desai</i>
9	2023043638	DESAI ROHIT RAJENDRA	<i>Desai Rohit</i>	<i>Desai Rohit</i>	<i>Desai Rohit</i>	<i>Desai Rohit</i>	<i>Desai Rohit</i>	<i>Desai Rohit</i>
10	2023047326	DHERE BHARAT SATAPPA	<i>Dhere Bharat</i>	<i>Dhere Bharat</i>	<i>Dhere Bharat</i>	<i>Dhere Bharat</i>	<i>Dhere Bharat</i>	<i>Dhere Bharat</i>
11	2023081544	GHATAGE PRUTHVIRAJ VASANT	<i>Ghatage</i>	<i>Ghatage</i>	<i>Ghatage</i>	<i>Ghatage</i>	<i>Ghatage</i>	<i>Ghatage</i>
12	2023046908	GHOTANE OMKAR VITTHAL	<i>Ghotane</i>	<i>Ghotane</i>	<i>Ghotane</i>	<i>Ghotane</i>	<i>Ghotane</i>	<i>Ghotane</i>
13	2023049732	GUNDAP VISHAL MARUTI	<i>Gundap</i>	<i>Gundap</i>	<i>Gundap</i>	<i>Gundap</i>	<i>Gundap</i>	<i>Gundap</i>
14	2023081804	HAKIM ANIS ADAM	<i>Hakim</i>	<i>Hakim</i>	<i>Hakim</i>	<i>Hakim</i>	<i>Hakim</i>	<i>Hakim</i>
15	2023081803	JADHAV SHAMBHURAJE MARUTI	<i>Jadhav</i>	<i>Jadhav</i>	<i>Jadhav</i>	<i>Jadhav</i>	<i>Jadhav</i>	<i>Jadhav</i>
16	2023082088	JADHAV SONALI SUBHASH	<i>Jadhav</i>	<i>Jadhav</i>	<i>Jadhav</i>	<i>Jadhav</i>	<i>Jadhav</i>	<i>Jadhav</i>
17	2023077865	KAMBLE BASAVARAJ VIJAY	<i>Kamble</i>	<i>Kamble</i>	<i>Kamble</i>	<i>Kamble</i>	<i>Kamble</i>	<i>Kamble</i>
18	2023047148	KAMBLE TUSHAR MAHADEV	<i>Kamble</i>	<i>Kamble</i>	<i>Kamble</i>	<i>Kamble</i>	<i>Kamble</i>	<i>Kamble</i>
19	2023054297	KAPASE ROHIT APPASAHEB	<i>Kapase</i>	<i>Kapase</i>	<i>Kapase</i>	<i>Kapase</i>	<i>Kapase</i>	<i>Kapase</i>
20	2023065344	KESARKAR DRAKSHAYANI PAPA	<i>Kesarkar</i>	<i>Kesarkar</i>	<i>Kesarkar</i>	<i>Kesarkar</i>	<i>Kesarkar</i>	<i>Kesarkar</i>
21	2023082014	KHADE PARTH JANARDAN	<i>Khad</i>	<i>Khad</i>	<i>Khad</i>	<i>Khad</i>	<i>Khad</i>	<i>Khad</i>
22	2023081772	KUMBHAR MOHAK JAYKAR	<i>M.J.K.</i>	<i>M.J.K.</i>	<i>M.J.K.</i>	<i>M.J.K.</i>	<i>M.J.K.</i>	<i>M.J.K.</i>
23	2023042019	KURALE SHUBHAM GAJENDRA	<i>Kural</i>	<i>Kural</i>	<i>Kural</i>	<i>Kural</i>	<i>Kural</i>	<i>Kural</i>
24	2023051741	MALAVEKAR GANESH BALASO	<i>Malavekar</i>	<i>Malavekar</i>	<i>Malavekar</i>	<i>Malavekar</i>	<i>Malavekar</i>	<i>Malavekar</i>
25	2023082386	MIRAJKAR PRASAD RAVINDRA	<i>Mirajkar</i>	<i>Mirajkar</i>	<i>Mirajkar</i>	<i>Mirajkar</i>	<i>Mirajkar</i>	<i>Mirajkar</i>
26	2023082455	NAIK AMAR DHONDIBA	<i>Naik</i>	<i>Naik</i>	<i>Naik</i>	<i>Naik</i>	<i>Naik</i>	<i>Naik</i>
27	2023065343	PATIL EKNATH DINKAR	<i>Patil</i>	<i>Patil</i>	<i>Patil</i>	<i>Patil</i>	<i>Patil</i>	<i>Patil</i>
28	2023081771	PATIL ANIL PANDURANG	<i>Patil</i>	<i>Patil</i>	<i>Patil</i>	<i>Patil</i>	<i>Patil</i>	<i>Patil</i>



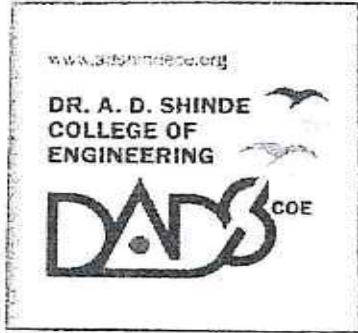


29	2023080276	PATIL NITISH MADHUKAR	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>
30	2023065346	PATIL PRATHAMESH SANJAY	<del>P.P.R.</del>	<del>P.P.R.</del>	<del>P.P.R.</del>	<del>P.P.R.</del>	<del>P.P.R.</del>	<del>P.P.R.</del>
31	2023081769	PATIL PRATHAMESH RAJARAM	P.P.R.	P.P.R.	P.P.R.	P.P.R.	P.P.R.	P.P.R.
32	2023052452	PATIL RANJEET ASHOK	Ranjeet	Ranjeet	Ranjeet	Ranjeet	Ranjeet	Ranjeet
33	2023081762	PATIL REKHA RAGHUNATH	<del>Ratil</del>	<del>Ratil</del>	<del>Ratil</del>	<del>Ratil</del>	<del>Ratil</del>	<del>Ratil</del>
34	2023054833	PATIL SURAJ KALU	S.K.P.	S.K.P.	S.K.P.	S.K.P.	S.K.P.	S.K.P.
35	2023078934	POWAR MARUTI CHINAPPA	Maruti.P.	Maruti.P.	Maruti.P.	Maruti.P.	Maruti.P.	Maruti.P.
36	2023065347	RASAL AMOL BABURAO	Amol Rasal	Amol Rasal	Amol Rasal	Amol Rasal	Amol Rasal	Amol Rasal
37	2023052123	SARANG ANIKET SHAMARAO	Sarang	Sarang	Sarang	Sarang	Sarang	Sarang
38	2023044156	SARSHETTI PRAVIN BASVANT	<del>Pra</del>	<del>Pra</del>	<del>Pra</del>	<del>Pra</del>	<del>Pra</del>	<del>Pra</del>
39	2023065341	SHINDE RUTURAJ PANDURANG	Ruturaj	Ruturaj	Ruturaj	Ruturaj	Ruturaj	Ruturaj
40	2023078498	SHINDE GANGADHAR PUNDLIK	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde
41	2023081767	SHINDE KEDAR AJIT	K.A.S.	K.A.S.	K.A.S.	K.A.S.	K.A.S.	K.A.S.
42	2023081761	SUTAR VISHWAJEET VIJAY	<del>Vishwa</del>	<del>Vishwa</del>	<del>Vishwa</del>	<del>Vishwa</del>	<del>Vishwa</del>	<del>Vishwa</del>
43	2023043001	TELI AKASH SURESH	<del>Asteli</del>	<del>Asteli</del>	<del>Asteli</del>	<del>Asteli</del>	<del>Asteli</del>	<del>Asteli</del>
44	2023049882	WADAGULE VIRAJ MURLIDHAR	Viraj	Viraj	Viraj	Viraj	Viraj	Viraj
45	2023067780	WAGHE OMKAR VILAS	Waghe	Waghe	Waghe	Waghe	Waghe	Waghe
46	2023081768	CHAUHAN MANRAJ PRABHUNATH	M.P.C.	M.P.C.	M.P.C.	M.P.C.	M.P.C.	M.P.C.



HOD  
Dept. of Mechanical Engg.  
A.D. Shinde College of Engg.  
Bhadgaon, Tal. Solapur, Dist. Solapur





Dinkarrao K. Shinde Smarak Trust, Gadhinglaj

# Dr. A. D. SHINDE COLLEGE OF ENGINEERING

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



## Department of Mechanical Engineering

### WORKSHOP ON NON DESTRUCTIVE TESTING (NDT) CERTIFICATE

This is to certify that Mr./Miss. Belekar Aniket Krushnat  
of SY BTech Mechanical Engineering

Has successfully participated / completed the certificate course on NON DESTRUCTIVE TESTING (NDT), organized by Department of Mechanical Engineering, Dr. A. D SHINDE COLLEGE OF ENGINEERING from 2<sup>nd</sup> Mar to 17<sup>th</sup> Mar 2024.

  
Program Coordinator

  
HOD Mech. Dept.



  
Principal


## **Criterion 1: Curricular Aspects**

### **Criterion 1.2.2**

**Number of Add on /Certificate programs offered during the year**





	Dinkarrao K. Shinde Smarak Trusts <b>DR. A. D. SHINDE COLLEGE OF ENGINEERING</b> Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502 <b>Academic Year 2023-24</b> <b>Department of Computer Science and Engineering</b>	
--	--	---

## Computer Science and Engineering

### Value Added Course

Academic Year	Class	Name of the Workshop	Date and Duration	Student Count
2023-24	TY	Computer Network	26 to 30 Jun 2024 01 to 04 July 2024	68




**HOD**

**HOD**

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



	<p style="text-align: center;">Dinkarrao K. Shinde Smarak Trusts</p> <p style="text-align: center;"><b>DR. A. D. SHINDE COLLEGE OF ENGINEERING</b></p> <p style="text-align: center;">Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502</p> <p style="text-align: center;"><b>Academic Year 2023-24</b></p> <p style="text-align: center;"><b>Department of Computer Science and Engineering</b></p>	
---	---	---

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**WORKSHOP ON**

**Computer Network**

**Duration: 26, 27, 28, 29,30 JUN -1,2,3,4 JULY 2024**


**CLASS: T.Y.B.tech**

**A.Y: 2023-24**

**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



	<p style="text-align: center;">Dinkarrao K. Shinde Smarak Trusts</p> <p style="text-align: center;"><b>DR. A. D. SHINDE COLLEGE OF ENGINEERING</b></p> <p style="text-align: center;">Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502</p> <p style="text-align: center;"><b>Academic Year 2023-24</b></p> <p style="text-align: center;"><b>Department of Computer Science and Engineering</b></p>	
---	---	---

## **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

### **WORKSHOP ON**

### **Computer Network**

**Duration: 26, 27, 28, 29,30 JUN -1,2,3,4 JULY 2024**

**CLASS: T.Y.B.tech**

**A.Y: 2023-24**



## **COURSE OUTCOMES**

1. Explain the basic concepts, terminologies, and models of computer networks, including the OSI and TCP/IP models.
2. Demonstrate knowledge of key network protocols (e.g., HTTP, FTP, DNS, DHCP) and understand their roles in enabling network communication.
3. Design, configure, and troubleshoot basic networks using appropriate tools and devices such as switches, routers, and firewalls.
4. Set up and manage small-scale LANs, configure IP addressing schemes, and establish peer-to-peer and client-server communications.

  
PROGRAM CO- ORDINATOR



  
HOD

	<p style="text-align: center;">Dinkarrao K. Shinde Smarak Trusts</p> <p style="text-align: center;"><b>DR. A. D. SHINDE COLLEGE OF ENGINEERING</b></p> <p style="text-align: center;">Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502</p> <p style="text-align: center;"><b>Academic Year 2023-24</b></p> <p style="text-align: center;"><b>Department of Computer Science and Engineering</b></p>	
---	---	---

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**WORKSHOP ON**


**Computer Network**

**Duration: 26, 27, 28, 29,30 JUN -1,2,3,4 JULY 2024**

**CLASS: T.Y.B.tech**

**A.Y: 2023-24**



1. Introduction to Computer Networks
2. Network Protocols and Standards
3. IP Addressing and Subnetting
4. Network Security
5. Network Programming with Python
6. Wireless Networks
7. Network Performance and Monitoring
8. Cloud Networking
9. Software-Defined Networking (SDN)

  
PROGRAM CO- ORDINATOR



  
HOD



	<p style="text-align: center;">Dinkarrao K. Shinde Smarak Trusts</p> <p style="text-align: center;"><b>DR. A. D. SHINDE COLLEGE OF ENGINEERING</b></p> <p style="text-align: center;">Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502</p> <p style="text-align: center;"><b>Academic Year 2023-24</b></p> <p style="text-align: center;"><b>Department of Computer Science and Engineering</b></p>	
---	---	---

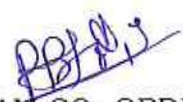
## **REPORT**

The Computer Networks Workshop was conducted to provide participants with a comprehensive understanding of networking concepts, protocols, and practical implementations. The primary objectives of the workshop were to help participants understand the fundamental concepts and architecture of computer networks, gain hands-on experience in configuring and troubleshooting network devices, explore networking protocols and their applications, and analyze network performance using tools while addressing security challenges.

During the workshop, topics such as the basics of networking, including the types of networks (LAN, WAN, MAN, PAN) and network topologies (Star, Ring, Bus, Mesh, Hybrid), as well as the OSI and TCP/IP networking models, were discussed. Participants were introduced to networking hardware such as switches, routers, hubs, and modems, along with media like Ethernet, fiber optics, and coaxial cables.



### **The Course outcomes for this course are**

1. Explain the basic concepts, terminologies, and models of computer networks, including the OSI and TCP/IP models.
2. Demonstrate knowledge of key network protocols (e.g., HTTP, FTP, DNS, DHCP) and understand their roles in enabling network communication.
3. Design, configure, and troubleshoot basic networks using appropriate tools and devices such as switches, routers, and firewalls.
4. Set up and manage small-scale LANs, configure IP addressing schemes, and establish peer-to-peer and client-server communications.

  
PROGRAM CO- ORDINATOR



  
HOD

	<p style="text-align: center;">Dinkarrao K. Shinde Smarak Trusts</p> <p style="text-align: center;"><b>DR. A. D. SHINDE COLLEGE OF ENGINEERING</b></p> <p style="text-align: center;">Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502</p> <p style="text-align: center;"><b>Academic Year 2023-24</b></p> <p style="text-align: center;"><b>Department of Computer Science and Engineering</b></p>	
---	---	---

Date: 15/06/2023

## NOTICE

All the students of Computer Science and Engineering department of Dr. A. D. Shinde College of Engineering, Bhadgaon, are informed that we are going to organize the certification course for Third year students on Computer Network by Mr. Manoj Dinkar Narayankar is scheduled from 26 Jun. 2024 to 4th July. 2024. 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.

  
 PROGRAM CO- ORDINATOR



  
 HOD





# Dr. A. D. Shinde College of Engineering Bhadgaon

Department of Computer Science and Engineering

Class: TY CSE- SEM-V 2024-25

1 Week Training Program for Computer Network

Attendance Sheet (Afternoon)

Sr. No	Name of the student	26-06-24	27-06-24	28-06-24	29-06-24	30-06-24	01-07-24	02-07-24	03-07-24	04-07-24
1	MANG MARUTI ASHOK									
2	PANASARE PURUSHOTTAM GORAKH									
3	DEVADKAR SHUBHANGI PRAKASH									
4	SALOKHE UDAY PANDURANG			UPSK	UPSK		UPSK	UPSK	UPSK	UPSK
5	CHOPADE SAURABH ARJUN									
6	MANGALEKAR PARTH AMIT									
7	DEVALKAR SONALI BALKRISHNA		UPSK	UPSK						
8	PATIL SAYALI VISHNU									
9	DHUPADALE PARSHAVANATH									
10	GHORPADE HIMANI SUDHIR									
11	PATIL VRUSHALI SANJAY									
12	SUTAR GURUNATH VIJAY									
13	KHANDAGALE SHRUTI VISHWAS			UPSK			UPSK	UPSK	UPSK	
14	DESAI RHUTUJA DAGADU									
15	BORGAVE SAKSHI AMAR	UPSK	UPSK	UPSK			UPSK	UPSK	UPSK	UPSK
16	KAMBLE ALANKAR SHIVAJI	UPSK	UPSK				UPSK	UPSK		UPSK
17	TAMBEKAR AMOL SHIVAJI									
18	TEMBUGADE SUSHAMA ANANDA	UPSK	UPSK	UPSK			UPSK	UPSK	UPSK	UPSK
19	GOILKAR AKASH CHANDRAKANT									
20	GUDAVALEKAR SHREENIVAS BHAGOJI	UPSK	UPSK	UPSK	UPSK		UPSK	UPSK	UPSK	UPSK
21	KAMBLE VARSHA BALAVANT									
22	PANHALKAR DANISH NIJAM	UPSK	UPSK	UPSK	UPSK		UPSK	UPSK	UPSK	
23	BANDI SHWETA SIDDAPPA		UPSK	UPSK	UPSK		UPSK	UPSK	UPSK	
24	CHAVAN SANIKA RAJENDRA			UPSK				UPSK		





25	RANE NITESH SURESH	RNS	RNS							
26	FARAKATE SAYALI SURESH	Farakate	Farakate	Farakate	Farakate	Farakate	Farakate	Farakate	Farakate	Farakate
27	KUMBHAR RUTIK SANJAY	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar
28	KAMBLE SUDHANSHU EKANATH									
29	KUMBHAR ADITYA DINKAR			AD	AD	AD	AD	AD	AD	AD
30	DESAI JEEVAN TATYASO	J.T.D.	J.T.D.	J.T.D.	J.T.D.	J.T.D.	J.T.D.	J.T.D.	J.T.D.	J.T.D.
31	MUSALE PARTH VINOD	(Pm)	(Pm)	(Pm)	(Pm)	(Pm)	(Pm)	(Pm)	(Pm)	(Pm)
32	SUTAR TOUHID BALAM									
33	GARAD MAULI KANTILAL	Garad	Garad	Garad	Garad	Garad	Garad	Garad	Garad	Garad
34	UTTURKAR SAISH RAJESH	Utturkar	Utturkar	Utturkar	Utturkar	Utturkar	Utturkar	Utturkar	Utturkar	Utturkar
35	PANDHARE TATOBA SHIVAJI	Pandhare	Pandhare	Pandhare	Pandhare	Pandhare	Pandhare	Pandhare	Pandhare	Pandhare
36	KAMBLE SUSHANT SANJU	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble	Kamble
37	CHOUGALE AMRUTA ANANDA									
38	DESAI KARAN SUDHAKAR	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai
39	JADHAV SANKET VIKAS	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
40	JADHAV MANASI RAMESH	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
41	JAGDALE AMAR DADASAHEB	Jagdale	Jagdale	Jagdale	Jagdale	Jagdale	Jagdale	Jagdale	Jagdale	Jagdale
42	AJAGEKAR PRACHI PUNDLIK		Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi
43	AMTE VISHAL BHARAT									
44	BHOSALE NIKITA ANNASAHEB		NB	NB	NB	NB	NB	NB	NB	NB
45	I CHAVAN PRACHI PRAMOD	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan
46	CHOTHE PRACHI SHIVAJI	Chote	Chote	Chote	Chote	Chote	Chote	Chote	Chote	Chote
47	DESAI PATIL YAJURVENDRA SUNIL	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai
48	DESAI PRAGATI PARASHURAM	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai
49	DIVATE SHRIVARDHAN SACHIN	Divate	Divate	Divate	Divate	Divate	Divate	Divate	Divate	Divate
50	KADAM SANIKA SATAPPA	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam
51	KAMALAKAR RUTIKA GURUPRASAD	Kamalak	Kamalak	Kamalak	Kamalak	Kamalak	Kamalak	Kamalak	Kamalak	Kamalak
52	KAMAT SHRAVANI SAMIR									
53	KHARCHE RUSHIKESH SURESH	Kharche	Kharche	Kharche	Kharche	Kharche	Kharche	Kharche	Kharche	Kharche
54	KUMBHAR VAISHNAVI JIVAN									
55	KURADE ADARSH NETAJI	Kurade	Kurade	Kurade	Kurade	Kurade	Kurade	Kurade	Kurade	Kurade
56	KURADE SANDHYA LAXMAN									
57	MANE VAISHNAVI VIJAY	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane	Mane





58	MHATUGADE TANVI RAMESH		<del>Patil</del>	<del>Patil</del>				<del>Patil</del>		
59	NADAF-ALFIYA JAVED	Nadaf	Nadaf	Nadaf	Nadaf	Nadaf	<del>Nadaf</del>	Nadaf	Nadaf	
60	NITTAWADEKAR ROHIT JAYSING	<del>Rohit</del>	<del>Rohit</del>	<del>Rohit</del>	<del>Rohit</del>	<del>Rohit</del>	<del>Rohit</del>	<del>Rohit</del>	<del>Rohit</del>	
61	PATIL ASHWINI SAMBHAJI	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>		<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>
62	PATIL DHANARAJ RAJENDRA	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	
63	PATIL SALONI RAMDAS		S.R.Patil	S.R.Patil	S.R.Patil		S.R.Patil	S.R.Patil	S.R.Patil	S.R.Patil
64	RAWE SUNITA RAJARAM		<del>Patil</del>	<del>Patil</del>	<del>Patil</del>	<del>Patil</del>		<del>Patil</del>	<del>Patil</del>	<del>Patil</del>
65	RHATWAL NIVEDITA RAJARAM	NR	NR	NR	NR		NR	NR	NR	
66	SHINDE SAKSHI BALU	<del>Sakshi</del>	<del>Sakshi</del>	<del>Sakshi</del>	<del>Sakshi</del>	<del>Sakshi</del>	<del>Sakshi</del>	<del>Sakshi</del>	<del>Sakshi</del>	<del>Sakshi</del>
67	SUTAR BHAKTI VASANT	<del>Sutar</del>	<del>Sutar</del>	<del>Sutar</del>	<del>Sutar</del>	<del>Sutar</del>	<del>Sutar</del>	<del>Sutar</del>	<del>Sutar</del>	
68	THOMBARE SHIVAJI LAXMAN	<del>ST</del>	<del>ST</del>	<del>ST</del>	<del>ST</del>	<del>ST</del>	<del>ST</del>	<del>ST</del>	<del>ST</del>	<del>ST</del>





# Dr. A. D. Shinde College of Engineering Bhadgaon

## Department of Computer Science and Engineering

Class: TY CSE- SEM-V 2024-25

1 Week Training program for Computer Network

Attendance Sheet (Morning)

Sr. NO	Name of the student	26-06-24	27-06-24	28-06-24	29-06-24	30-06-24	01-07-24	02-07-24	03-07-24	04-07-24
1	MANG MARUTI ASHOK									
2	PANASARE PURUSHOTTAM GORAKH									
3	DEVADKAR SHUBHANGI PRAKASH									
4	SALOKHE UDAY PANDURANG				1	1500	1500	1500	1500	
5	CHOPADE SAURABH ARJUN									
6	MANGALEKAR PARTH AMIT									
7	DEVALKAR SONALI BALKRISHNA		Devalkar	Devalkar						
8	PATIL SAYALI VISHNU									
9	DHUPADALE PARSHAVANATH		Pill							
10	GHORPADE HIMANI SUDHIR									
11	PATIL VIJUSHALI SANJAY									
12	SUTAR GURUNATH VIJAY									
13	KHANDAGALE SHRUTI VISHWAS		Shruti	Shruti	Shruti		Shruti	Shruti	Shruti	Shruti
14	DESAI RHUTUJA DAGADU									
15	BORGAVE SAKSHI AMAR	Borgave	Borgave	Borgave	Borgave		Borgave	Borgave	Borgave	Borgave
16	KAMBLE ALANKAR SHIVAJI	Kamble	Kamble	Kamble			Kamble	Kamble	Kamble	Kamble
17	TAMBEKAR AMOL SHIVAJI	At		At	At		At	At	At	At
18	TEMBUGADE SUSHAMA ANANDA	At	At	At			At	At	At	At
19	GOILKAR AKASH CHANDRAKANT									
20	GUDAVALEKAR SHREENIVAS BHAGOJI	SAB	SAB	SAB	SAB		SAB	SAB	SAB	
21	KAMBLE VARSHA BALAVANT									
22	PANHALKAR DANISH NIJAM	Dnp	Dnp	Dnp	Dnp		Dnp	Dnp	Dnp	Dnp
23	BANDI SHWETA SIDDAPPA		Bandi	Bandi	Bandi		Bandi	Bandi	Bandi	Bandi
24	CHAVAN SANIKA RAJENDRA		GR Chavan		GR					
25	RANE NITESH SURESH		Rane	Rane						





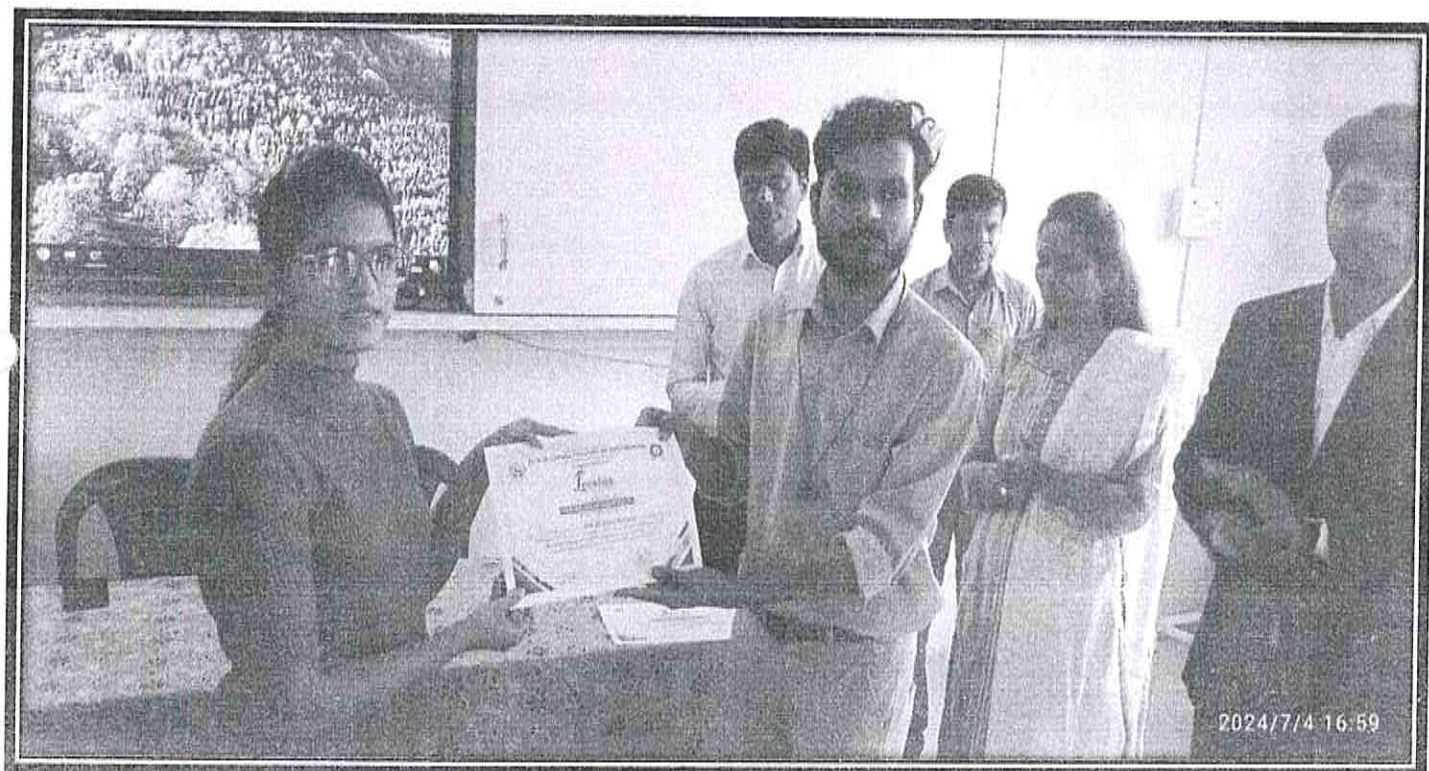
26	FARAKATE SAYALI SURESH	Farakate	Farakate	Farakate	Farakate	Farakate	Farakate	Farakate	Farakate	Farakate
27	KUMBHAR RUTIK SANJAY	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar	Kumbhar
28	KAMBLE SUDHANSHU EKANATH									
29	KUMBHAR ADITYA DINKAR				ADS	ADS	ADS	ADS	ADS	
30	DESAI JEEVAN TATYASO	J.T. Desai	J.T. Desai	J.T. Desai	J.T. Desai		J.T. Desai	J.T. Desai	J.T. Desai	J.T. Desai
31	MUSALE PARTH VINOD	Musale	Musale	Musale	Musale		Musale	Musale	Musale	Musale
32	SUTAR TOUHID BALAM	Sutar	Sutar	Sutar	Sutar		Sutar	Sutar	Sutar	Sutar
33	GARAD MAULI KANTILAL	Garad	Garad	Garad	Garad	Garad	Garad	Garad	Garad	Garad
34	UTTURKAR SAISH RAJESH	Utturkar	Utturkar	Utturkar	Utturkar	Utturkar	Utturkar	Utturkar	Utturkar	Utturkar
35	PANDHARE TATOBA SHIVAJI	Pandhare	Pandhare	Pandhare	Pandhare		Pandhare	Pandhare	Pandhare	Pandhare
36	KAMBLE SUSHANT SANJU	Kamble	Kamble	Kamble	Kamble		Kamble	Kamble	Kamble	Kamble
37	CHOUGALE AMRUTA ANANDA									
38	DESAI KARAN SUDHAKAR	Desai	Desai	Desai	Desai		Desai	Desai	Desai	Desai
39	JADHAV SANKET VIKAS	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
40	JADHAV MANASI RAMESH	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
41	JAGDALE AMAR DADASAHEB	Jagdale	Jagdale	Jagdale	Jagdale	Jagdale	Jagdale	Jagdale	Jagdale	Jagdale
42	AJAGEKAR PRACHI PUNDLIK		Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi	Prachi
43	AMTE VISHAL BHARAT									
44	BHOSALE NIKITA ANNASAHEB		NDB	NDB	NDB	NDB	NDB	NDB	NDB	NDB
45	CHAVAN PRACHI PRAMOD	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan	Chavan
46	CHOTHE PRACHI SHIVAJI	Chote	Chote	Chote	Chote	Chote	Chote	Chote	Chote	Chote
47	DESAI PATIL YAJURVENDRA SUNIL	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai
48	DESAI PRAGATI PARASHURAM	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai	Desai
49	DIVATE SHRIVARDHAN SACHIN	Divate	Divate	Divate	Divate	Divate	Divate	Divate	Divate	Divate
50	KADAM SANIKA SATAPPA	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam	Kadam
51	KAMALAKAR RUTIKA GURUPRASAD	Kamala	Kamala	Kamala	Kamala	Kamala	Kamala	Kamala	Kamala	Kamala
52	KAMAT SHRAVANI SAMIR									
53	KHARCHI RUSHIKESH SURESH	Kharchi	Kharchi	Kharchi	Kharchi	Kharchi	Kharchi	Kharchi	Kharchi	Kharchi
54	KUMBHAR VAISHNAVI JIVAN									
55	KURADE ADARSH NETAJI	Kurade	Kurade		Kurade		Kurade	Kurade	Kurade	Kurade
56	KURADE SANDHYA LAXMAN									
57	MANE VAISHNAVI VIJAY	Mane	Mane	Mane	Mane		Mane	Mane	Mane	Mane
58	MHATUGADE TANVI RAMESH		TRM		TRM			TRM		TRM
59	NADAF ALFIYA JAVED	Nadaf	Nadaf	Nadaf	Nadaf		Nadaf	Nadaf	Nadaf	Nadaf



NITTAWADEKAR ROHIT JAYSING	<del>Rohit</del>	<del>Rohit</del>	<del>Rohit</del>	<del>Rohit</del>		<del>Rohit</del>	<del>Rohit</del>	<del>Rohit</del>	<del>Rohit</del>
PATIL ASHWINI SAMBHAJI	<del>Ashwini</del>	<del>Ashwini</del>	<del>Ashwini</del>	<del>Ashwini</del>		<del>Ashwini</del>	<del>Ashwini</del>	<del>Ashwini</del>	<del>Ashwini</del>
PATIL DHANARAJ RAJENDRA	<del>Dhanaraj</del>	<del>Dhanaraj</del>	<del>Dhanaraj</del>	<del>Dhanaraj</del>		<del>Dhanaraj</del>	<del>Dhanaraj</del>	<del>Dhanaraj</del>	<del>Dhanaraj</del>
PATIL SALONI RAMDAS		S.R.Patil	S.R.Patil	S.R.Patil		<del>S.R.Patil</del>	<del>S.R.Patil</del>	<del>S.R.Patil</del>	<del>S.R.Patil</del>
RANE SUNITA RAJARAM		<del>Sunita</del>	<del>Sunita</del>	<del>Sunita</del>		<del>Sunita</del>	<del>Sunita</del>	<del>Sunita</del>	<del>Sunita</del>
RHATWAL NIVEDITA RAJARAM	<del>NRP</del>	<del>NRP</del>	<del>NRP</del>	<del>NRP</del>		<del>NRP</del>	<del>NRP</del>	<del>NRP</del>	<del>NRP</del>
SHINDE SAKSHI BALU	<del>Sakshi</del>	<del>Sakshi</del>	<del>Sakshi</del>	<del>Sakshi</del>		<del>Sakshi</del>	<del>Sakshi</del>	<del>Sakshi</del>	<del>Sakshi</del>
SUTAR BHAKTI VASANT	<del>Bhakti</del>	<del>Bhakti</del>	<del>Bhakti</del>	<del>Bhakti</del>		<del>Bhakti</del>	<del>Bhakti</del>	<del>Bhakti</del>	<del>Bhakti</del>
THOMBARE SHIVAJI LAXMAN	<del>Shivaji</del>	<del>Shivaji</del>	<del>Shivaji</del>	<del>Shivaji</del>		<del>Shivaji</del>	<del>Shivaji</del>	<del>Shivaji</del>	<del>Shivaji</del>









# Dr. A. D. SHINDE COLLEGE OF ENGINEERING

Guddai, Bhadgaon, Gadhinglaj, Dist. Kolhapur

In Collaboration with



*Leosias*  
TECHNOLOGIES

## CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms/Mrs *Danish Nijam Panhalkar* Class - Third Year  
of Computer Science and Engineering, academic year - 2024-2025, has successfully Completed 8 days  
**Masterclass training in Computer Networking** conducted by Leosias Technologies  
at Dr. A.D. Shinde College of Engineering, Bhadgaon, from 26<sup>th</sup> June to 4<sup>th</sup> July 2024.

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



Co-founder & CEO  
Leosias Technologies





Dinkarrao K. Shinde Smarak Trusts

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

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502

**Academic Year 2023-24**

**Electronics and Computer Science Department**



## **ELECTRONICS AND COMPUTER SCIENCE DEPARTMENT**

### **VALUE ADDED COURSES**

ACADEMIC YEAR	CLASS	NAME OF THE WORKSHOP	DATE & DURATION	STUDENT COUNT
2023-24	SY	WORKSHOP ON BASICS ELECTRONICS ENGINEERING	09,10,11,12,13 OCT-2023	71
	SY	WORKSHOP ON DIGITAL ELECTRONICS	11,12,13,14,15 MARCH - 2024	56

*Bando*  
HOD

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



Certificate Course  
on  
**“Basic Electronics Engineering”**

**Duration: 05 Days**

**Date: 09,10,11,12,13 OCT-2023**

**Class: SY BTech 2023-24**







## **REPORT**

The Department of Electronics and Computer Science Engineering conducted a certificate course of Workshop on BASIC ELECTRONICS ENGINEERING from 09, 10, 11, 12, 13 OCT-2023. The 5-day Basic Electronics Engineering Workshop aimed to equip participants with foundational knowledge and practical skills in electronics. The workshop emphasized hands-on training, introducing fundamental electronic components, circuit design, and testing techniques. Participants also explored the differences between analog and digital electronics and applied their knowledge to real-world problems. Total 71 of S.Y Electronics and Computer Science engineering student participated in this certificate course. All the faculty members from the Electronics and Computer Science Engineering worked actively for the successful completion of certificate course.

A. A. Magdum

**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 2023-24**

**Electronics and Computer Science Department**



## **SYLLABUS FOR WORKSHOP ON BASICS ELECTRONICS ENGINEERING**

### **Day 1: Introduction to Basic Electronic Components**

**Learning Objective:** Understand the fundamentals of resistors, capacitors, diodes, and transistors.

- **Session 1 (Theory):**
  - Overview of electronics and its significance.
  - Resistors, Capacitors, Transistors, Diodes.
- **Session 2 (Hands-on):**
  - Identifying components and understanding datasheets.
  - Using simulation tools to observe component behavior.

### **Day 2: Circuit Design and Breadboarding**

**Learning Objective:** Learn to design and assemble simple circuits using breadboards.

- **Session 1 (Theory):**
  - Circuit design basics: Ohm's law, series, and parallel circuits.
  - Introduction to breadboards and their layout.
  - Practical circuit examples (e.g., LED blinking, voltage divider).
- **Session 2 (Hands-on):**
  - Assembling basic circuits on a breadboard.
  - Testing and troubleshooting common connection errors.

### **Day 3: Using Electronic Measuring Instruments**

**Learning Objective:** Operate multimeters, oscilloscopes, and power supplies effectively.

- **Session 1 (Theory):**
  - Basics of voltage, current, and resistance measurement.
  - Oscilloscope fundamentals: Time base, triggering, and probes.
  - Power supply operation and safety precautions.







Dinkarrao K. Shinde Smarak Trusts

## DR. A. D. SHINDE COLLEGE OF ENGINEERING

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502

Academic Year 2023-24

### Electronics and Computer Science Department



- **Session 2 (Hands-on):**

- Measuring voltage, current, and resistance in a circuit.
- Visualizing signals on an oscilloscope (e.g., sine wave, square wave).
- Testing a circuit with power supply variations.

#### Day 4: Problem-Solving and Circuit Analysis

**Learning Objective:** Apply knowledge to troubleshoot and solve basic circuit problems.

- **Session 1 (Theory):**

- Common electronic circuit issues (e.g., open circuits, short circuits).
- Steps for systematic troubleshooting.
- Introduction to basic debugging tools and techniques.

- **Session 2 (Hands-on):**

- Identify and fix faults in sample circuits.
- Modify circuit designs to achieve specific functionality.

#### Day 5: Analog vs. Digital Electronics

**Learning Objective:** Understand and differentiate analog and digital circuits.

- **Session 1 (Theory):**

- Basics of analog signals: Sinusoids, amplification, and filters.
- Basics of digital signals: Logic gates, binary, and switching.
- Applications of analog and digital electronics.

- **Session 2 (Hands-on):**

- Build a simple analog & digital circuit
- Discuss real-world examples integrating both analog and digital systems.

A. A. Magdum

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 2023-24**

**Electronics and Computer Science Department**



Date: 03/10/2023

## NOTICE

All the students of Electronics and Computer Science Department of Dr. A. D. Shinde college of engineering, Bhadgaon, are informed that we are going to organize the certification course Second year students on Basic Electronics Engineering by Mr. P. I. Kanthi is scheduled from 9<sup>th</sup> Oct 2023 to 31<sup>st</sup> Oct 2023. 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.

A. A. Magdum

**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 2023-24**

**Electronics and Computer Science Department**



**DEPARTMENT OF ELECTRONICS AND COMPUTER SCIENCE**

**WORKSHOP ON**

**BASICS ELECTRONICS ENGINEERING**

**Duration: 5 Days**

**Date: 09,10,11,12,13 OCT-2023**

**CLASS: B. Tech SY: 2023-24**

**COURSE OUTCOMES**

1. To introduce the basic fundamentals of electronic components, including resistors, capacitors, diodes, and transistors.
2. Design and assemble simple electronic circuits using breadboards and connect components accurately.
3. Operate essential electronic measuring tools such as multimeters, oscilloscopes, and power supplies to analyze circuit performance.
4. Identify and solve basic electronics problems, demonstrating the application of concepts in practical scenarios.
5. Differentiate between analog and digital signals and understand the functionality of basic analog and digital circuits.

A. A. Magdum  
**PROGRAM CO-ORDINATOR**



*(Signature)*

**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 2023-24**

**Electronics and Computer Science Department**



**DEPARTMENT OF ELECTRONICS AND COMPUTER SCIENCE**

**WORKSHOP ON**  
**BASICS ELECTRONICS ENGINEERING**

**Duration: 5 Days**

**Date: 09,10,11,12,13 OCT-2023**

**CLASS: B. Tech SY: 2023-24**

**Evaluation Procedure**

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

*A. A. Magdum*

**PROGRAM CO- ORDINATOR**



*(Signature)*  
**HOD**

**HOD**

**Electronics & Computer Scien.**  
**Dr.A.D Shinde College of Engine**  
**A/P.Bhadgaon,Tal.Gadhingla**





Dinkarrao K. Shinde Smarak Trusts

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

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

**Academic Year 20223-24**

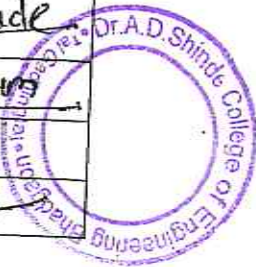
**Department of Electronics & Computer Science**



**Attendance for Workshop on Basic Electronics Engineering**

**Semester: III**

Sl. No.	NAME	PRN	09 OCT-2023	10 OCT-2023	11 OCT-2023	12 OCT-2023	13 OCT-2023
1	BIRANJE ANIKET TAMAJI	2022086788	ATB	ATB		ATB	ATB
2	CHAVAN RAJWARDHAN BAJIRAO	2022085998		RAB	RAB		RAB
3	CHETAGIRI ROHAN RAJENDRA	2022086131	CPP	CPP	CPP	CPP	CPP
4	CHINDAKE SANKET RANDOPANT	2022086015	SB	SB		SB	SB
5	DESAI TEJASWINI KISHOR	2022086015	Tejdesai	Tejdesai	Tejdesai	SB	SB
6	DORUGADE ASHWINI PIRAJI	2022086166	Adonugade	Adonugade	Adonugade	Adonugade	Tejdesai
7	GALANDE AMIT KAILASH	2022086182		AGalande	AGalande	AGalande	AGalande
8	KAVITKAR SHUBHAM VITTHAL	2022086046	Shubham	Shubham		Shubham	
9	KHOT PRATHMESH PRAKASH	2022086708	PKhot	PKhot	PKhot		PKhot
10	KOLUGADE HARSHVARDHAN B	2022086175	Hkolugade		Hkolugade		Hkolugade
11	MORE SANGRAM SURESH	2022086792		msangram	msangram		msangram
12	PATIL ANKITA ANANT	2022086026		Ankita		Ankita	
13	PATIL SUSMITA SHAMRAO	2023079525	Spatil		Spatil		Spatil





Dinkarrao K. Shinde Smarak Trusts

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

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

**Academic Year 20223-24**

**Department of Electronics & Computer Science**



Sl. No.	NAME	PRN	09 OCT-2023	10 OCT-2023	11 OCT-2023	12 OCT-2023	13 OCT-2023
14	POWAR YUVRAJ DHANAJI	2023078357		<u>Powar</u>		<u>Powar</u>	<u>Powar</u>
15	MORE NIRANJAN SHIVAJI	2023079616	<u>M.N.S</u>	<u>M.N.S</u>	<u>M.N.S</u>		<u>M.N.S</u>
16	VHANOLI AKSHAY SUNIL	2023078357	<u>Akshay</u>		<u>Akshay</u>		<u>Akshay</u>
17	KURADE SHUBHAM HINDURAV	2023079620	<u>KSV</u>	<u>KSV</u>		<u>KSV</u>	<u>KSV</u>
18	PATIL DNYANESHVARI DILIP	2023078355	<u>Patil D</u>		<u>Patil D</u>		<u>Patil D</u>
19	MATALE GAUTAMI ARJUN	2023080553	<u>matale</u>		<u>matale</u>	<u>matale</u>	<u>matale</u>
20	CHOUGULE DHANASHREE C	2023078358	<u>CD</u>	<u>CD</u>	<u>CD</u>		<u>CD</u>
21	POWAR TANUJA SUBHASH	2023078353	<u>Ptanuja</u>		<u>Ptanuja</u>		<u>Ptanuja</u>
22	APATE AVADHUT APPASAHEB	2023078354	<u>Avadhut</u>		<u>Avadhut</u>	<u>Avadhut</u>	
23	CHOUGULE PRAJJWAL PRAKASH	2023078359	<u>P.P.C</u>	<u>P.P.C</u>	<u>P.P.C</u>	<u>P.P.C</u>	
24	GAVADE PRACHI PRAKASH	2023079612	<u>Prachi</u>		<u>Prachi</u>		<u>Prachi</u>
25	KAMBLE SNEHAL SUDAM	2023078356	<u>K.S.S</u>	<u>K.S.S</u>		<u>K.S.S</u>	<u>K.S.S</u>
26	SUTAR BALASAHEB DATTATRAYA	2023079535	<u>B.D. Sutar</u>	<u>B.D Sutar</u>		<u>B.D Sutar</u>	<u>B.D. Sutar</u>
27	VAIDIKA KRUSHNAT TELI	2023077952	<u>V.K.Teli</u>	<u>V.K.Teli</u>	<u>V.K.Teli</u>		<u>V.K.Teli</u>
28	BHALEKAR SAHIL YUVRAJ	2023077957	<u>S.Bhalekar</u>	<u>S.Bhalekar</u>	<u>S.Bhalekar</u>		







Dinkarrao K. Shinde Smarak Trusts

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

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

**Academic Year 20223-24**

**Department of Electronics & Computer Science**



SL No.	NAME	PRN	09 OCT-2023	10 OCT-2023	11 OCT-2023	12 OCT-2023	13 OCT-2023
29	CHAVAN AMIT SANJAY	2023077985	<u>Amit</u>		<u>Amit</u>		<u>Amit</u>
30	SHALGAR NISHA RAJESH	2023080348	<u>Nisha</u>	<u>Nisha</u>		<u>Nisha</u>	
31	CHOUGALE SAMBHAJI PANDURANG	2023077972		<u>Sambhaji</u>	<u>Sambhaji</u>		<u>Sambhaji</u>
32	MUGALIHALKAR NIKHIL HUVANI	2023077987	<u>NTU</u>	<u>NTU</u>	<u>NTU</u>		<u>NTU</u>
33	PATIL ROHIT PRATAP	2023077970	<u>R Pratil</u>	<u>R Pratil</u>	<u>R Pratil</u>	<u>R Pratil</u>	<u>R Pratil</u>
34	RAKATADE SANDESH-RAJENDRA	2023077976	<u>SR</u>	<u>SR</u>	<u>SR</u>	<u>SR</u>	
35	SUTAR HARSHWARDHAN UTTAM	2023080250	<u>Haus</u>	<u>Haus</u>	<u>Haus</u>		<u>Haus</u>
36	SATHE SHWETA SANDIP	2023079553	<u>SSS</u>	<u>SSS</u>	<u>SSS</u>		<u>SSS</u>
37	MIRAJKAR NIKHIL SANDEEP	2023079007	<u>M Sandeep</u>	<u>M Sandeep</u>	<u>M Sandeep</u>	<u>M Sandeep</u>	<u>M Sandeep</u>
38	KANGRAKAR HARSHADA ANKUSH	2023078352	<u>H.A.Kangarkar</u>	<u>H.A.Kangarkar</u>	<u>H.A.Kangarkar</u>	<u>H.A.Kangarkar</u>	<u>H.A.Kangarkar</u>
39	DIVTNKAR SNEHAL SHRIKANT	2023077981	<u>S.S.Divtnkar</u>		<u>S.S.Divtnkar</u>	<u>S.S.Divtnkar</u>	<u>S.S.Divtnkar</u>
40	NIKAM ANJALI SAGAR	2023077973	<u>ANS</u>	<u>ANS</u>	<u>ANS</u>		<u>ANS</u>





Dinkarrao K. Shinde Smarak Trusts

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

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

**Academic Year 20223-24**

**Department of Electronics & Computer Science**



Sl. No.	NAME	PRN	09 OCT-2023	10 OCT-2023	11 OCT-2023	12 OCT-2023	13 OCT-2023
41	PATIL AMOL ARVIND	2023080362	<u>Amol</u>	<u>Amol</u>	<u>Amol</u>		<u>Amol</u>
42	AMATE RAHUL BASAVARAJ	2023077948		<u>A.R.B</u>	<u>ARB</u>	<u>ARB</u>	
43	MIRAJE MAYUR ARUN	2023078361	<u>Mamiraje</u>	<u>Mamiraje</u>	<u>Mamiraje</u>		<u>Mamiraje</u>
44	DESAI ROHAN VIJAY	2023077951		<u>Rohan</u>		<u>Rohan</u>	<u>Rohan</u>
45	SUTAR AVADHUT TANAJI	2023080350	<u>SA</u>	<u>SA</u>	<u>SA</u>	<u>SA</u>	
46	KHAIRMODE RAVIKIRAN RAJENDRA	2023077974	<u>Ravi</u>	<u>Ravi</u>	<u>Ravi</u>	<u>Ravi</u>	<u>Ravi</u>
47	JATHAR SAKSHI MANSING	2023078979	<u>Sakshi</u>		<u>Sakshi</u>		<u>Sakshi</u>
48	INGAWALE SAMRUDDHI SAKHARAM	2023077989	<u>SI</u>	<u>SI</u>	<u>SI</u>	<u>SI</u>	<u>SI</u>
49	GODASE KARUNA TUKARAM	2023078940	<u>Ka</u>	<u>Ka</u>	<u>Ka</u>	<u>Ka</u>	
50	JAGADALE SANIYA BHIKAJI	2023077964		<u>Saniya</u>	<u>Saniya</u>	<u>Saniya</u>	
51	PATIL ASHWINI	2023078351	<u>Apu</u>		<u>Apu</u>		<u>Apu</u>







Dinkarrao K. Shinde Smarak Trusts

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

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

**Academic Year 20223-24**

**Department of Electronics & Computer Science**



Sl. No.	NAME	PRN	09 OCT-2023	10 OCT-2023	11 OCT-2023	12 OCT-2023	13 OCT-2023
64	MOHITE AKSHAY BALU	2023079573	Aem	Aem	Aem		Aem
65	MUNGURKAR DTTATRAY ASHOK	2023079561	DAmngurkar	DAmngurkar		DAmngurkar	DAmngurkar
66	VISHWAJIT MANASING SALUNKHE	2023079625	VMS	VMS	VMS		VMS
67	MOTURE MANALI PARASHARAM	2023079622	mmp		mmp	mmp	mmp
68	PATIL SANDESH UTTAM	2023079523	Sandesh	Sandesh	Sandesh	Sandesh	Sandesh
69	PATIL LATA SHIVAJI	2023079565	L.S.P		L.S.P	L.S.P	L.S.P
70	BHOSALE OMKAR MADHUKAR	2023079517	BU	BU		BU	BU
71	PADEKAR RUTUJA CHANDRAKANT	2023083468	Rp	Rp		Rp	Rp



*(Signature)*

HOD

Electronics & Computer Science  
Dr.A.D.Shinde College of Engineering



Dinkarrao K. Shinde Smarak Trusts

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

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

**Academic Year 20223-24**

**Department of Electronics & Computer Science**



Sl. No.	NAME	PRN	09 OCT-2023	10 OCT-2023	11 OCT-2023	12 OCT-2023	13 OCT-2023
52	KHARADE VAISHNAVI B	2023079604	<u>Qkharade</u>		<u>Qkharade</u>	<u>Qkharade</u>	<u>Qkharade</u>
53	KHARADE ANKITA RANJIT	2023077993	<u>Ankita</u>	<u>Ankita</u>	<u>Ankita</u>	<u>Ankita</u>	
54	PATIL SAKSHI ANIL	2023077958	<u>Spatil</u>	<u>Spatil</u>		<u>Spatil</u>	
55	RAJIGARE JYOTI BALASO	2023079531	<u>Jyoti</u>	<u>Jyoti</u>		<u>Jyoti</u>	<u>Jyoti</u>
56	MULLA AFTAB MEHABUB	2023077990		<u>Amull</u>	<u>Amull</u>	<u>Amull</u>	<u>Amull</u>
57	DHEKOLKAR SWAPNALI B	2023079056	<u>Swapnali</u>		<u>Swapnali</u>		<u>Swapnali</u>
58	PATIL TEJASWINI TANAJI	2023077967	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>		<u>Patil</u>
59	MUJGONDA SHIVANAND MANOHAR	2023077992	<u>Mujgonda</u>	<u>Mujgonda</u>		<u>Mujgonda</u>	<u>Mujgonda</u>
60	SWAROOP P JADHAV	2023078985	<u>Spjadhav</u>	<u>Spjadhav</u>	<u>Spjadhav</u>	<u>Spjadhav</u>	<u>Spjadhav</u>
61	MALAMKAR VAISHNAVI KISHOR	2023077966	<u>Vkm</u>	<u>Vkm</u>	<u>Vkm</u>	<u>Vkm</u>	<u>Vkm</u>
62	KAMBLE KHUSHI UTTAM	2023078941	<u>K. Kamble</u>		<u>K. Kamble</u>	<u>K. Kamble</u>	
63	PATIL PRATHAMESH PANDURANG	2023079570	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>







Accredited by NAAC with B+

An ISO 9001-2015 Certified Institute

Dinkarrao K. Shinde Smarak Trusts



**Dr. A. D. Shinde College of Engineering, Bhadgaon.**

Guddai, Tal: Gadhinglaj, Dist: Kolhapur-416502, Mob. - 8380049000

# Certificate

This is to certify that Mr./Mrs./Miss./.....Prajwal Prakash chougale.....of  
.....S.Y. B.Tech.....has participated in 5-Days Workshop on “Basic  
Electronics Engineering” held by the Department of Electronics & Computer Science from 09<sup>th</sup> Oct 2023 to 13<sup>th</sup> Oct  
2023.

A.A. Magdum  
Co-Ordinator

Bandi  
Prof. M. A. Bandi  
HOD  
HOD

Electronics & Computer Science

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



Dr. B. V. Ghewade  
Principal  
DADSCOE Bhadgaon.  
PRINCIPAL

A.D.Shinde College of Engineering  
Bhadgaon, Tal.Gadhinglaj, Dist.Kolhapur



Accredited by NAAC with B+

An ISO 9001-2015 Certified Institute

Dinkarrao K. Shinde Smarak Trusts

**Dr. A. D. Shinde College of Engineering, Bhadgaon.**

Guddai, Tal: Gadhinglaj, Dist: Kolhapur-416502, Mob. - 8380049000



# Certificate

This is to certify that Mr./Mrs./Miss./..... Ravikiran Rajendra khirmode ..... of  
..... SY. B.Tech ..... has participated in 5-Days Workshop on "Basic  
**Electronics Engineering**" held by the Department of Electronics & Computer Science from 09<sup>th</sup> Oct 2023 to 13<sup>th</sup> Oct  
2023.

A. A. Magdum  
Co-Ordinator

Bandi  
Prof. M. A. Bandi

HOD

HOD

Electronics & Computer Science

Dr. A. D. Shinde College of Engineering

A/P. Bhadgaon, Tal. Gadhinglaj



Dr. D. V. Ghewade  
Principal  
DADSCOE Bhadgaon.  
PRINCIPAL

Dr. A. D. Shinde College of Engineering  
Bhadgaon Tal Gadhinglaj Dist Kolhapur



Certificate Course  
on  
**“WORKSHOP ON  
Digital Electronics**

**Duration: 05 Days**

**Date: 11,12,13,14,15 MARCH - 2024**

**Class: SY BTech 2023-24**





Dinkarrao K. Shinde Smarak Trusts

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

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502

**Academic Year 2023-24**

**Electronics and Computer Science Department**



## **REPORT**

The Department of Electronics and Computer Science Engineering conducted a certificate course of Workshop on DIGITAL ELECTRONICS ENGINEERING from 11,12,13,14,15 MARCH - 2024. The 5-day Digital Electronics Workshop was conducted to provide participants with a comprehensive understanding of digital electronics concepts, focusing on practical applications. The workshop covered essential topics such as number systems, Boolean algebra, combinational and sequential circuits, mini-project development, and the role of digital electronics in modern technologies. Total 56 of S.Y Electronics and Computer Science engineering student participated in this certificate course. All the faculty members from the Electronics and Computer Science Engineering worked actively for the successful completion of certificate course.

A. A. Magdum

**PROGRAM CO- ORDINATOR**

  
**HOD**

**HOD**  
Electronics & Computer Science  
Dr.A.D.Shinde College of Engineerin  
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 2023-24**

**Electronics and Computer Science Department**



**DEPARTMENT OF ELECTRONICS AND COMPUTER SCIENCE**

**SYALLABUS FOR WORKSHOP ON**

**DIGITAL ELECTRONICS**

**Duration:** 5 Days

**Date:** 11, 12, 13, 14, 15 MARCH - 2024

**CLASS: SY-BTech: 2023-24**

**Day 1: Fundamentals of Digital Electronics**

Learning Objective: Understand basics of number systems, Boolean algebra, and logic gates.

- Session 1 (Theory):
  - Number systems: Binary, decimal, octal, and hexadecimal.
  - Conversion between number systems.
  - Boolean algebra: Basic laws and De Morgan's theorems.
  - Introduction to logic gates (AND, OR, NOT, NAND, NOR, XOR, XNOR) and truth tables.
- Session 2 (Hands-on):
  - Practice binary arithmetic and Boolean algebra problems.
  - Implement basic logic gate operations using simulation tools or ICs.

**Day 2: Design and Implementation of Combinational Circuits**

Learning Objective: Design and implement combinational circuits.

- Session 1 (Theory):
  - Introduction to combinational circuits.
  - Half adder and full adder design.
  - Subtractors: Half subtractor and full subtractor.
  - Multiplexers, demultiplexers, decoders, and encoders.
- Session 2 (Hands-on):
  - Implement adders and subtractors on a breadboard or simulation software.
  - Design and test multiplexer and decoder circuits





Dinkarrao K. Shinde Smarak Trusts

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

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin: 416502

**Academic Year 2023-24**

**Electronics and Computer Science Department**



Date: 03/10/2023

## NOTICE

All the students of Electronics and Computer Science Department of Dr. A. D. Shinde college of engineering, Bhadgaon, are informed that we are going to organize the certification course Second year students on Digital Electronics by Mr. S. R. Desai is scheduled from 11<sup>th</sup> Mar 2024 to 15<sup>th</sup> Mar 2024. 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.

A. A. Magdum

**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 2023-24**

**Electronics and Computer Science Department**



**DEPARTMENT OF ELECTRONICS AND COMPUTER SCIENCE**

**WORKSHOP ON**

**DIGITAL ELECTRONICS**

**Duration: 5 Days**

**Date: 11, 12, 13, 14, 15 MARCH - 2024**

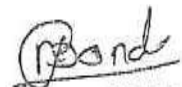
**CLASS: SY-BTech: 2023-24**

**COURSE OUTCOMES**

1. Understand basics of number systems, Boolean algebra, logic gates, and their applications in digital circuits.
2. Design and implement combinational circuits, including adders, subtractors, multiplexers, and decoders.
3. Comprehend the working principles of flip-flops and sequential circuits, including counters and registers.
4. Implement mini-projects involving real-world digital systems, such as digital clocks or traffic light controllers.
5. Recognize the role of digital electronics in modern technologies, including microprocessors and embedded systems.

A.A. Magdum

**PROGRAM CO- ORDINATOR**



**HOD**



**HOD**

**Electronics & Computer Science**  
**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 2023-24**

**Electronics and Computer Science Department**



**DEPARTMENT OF ELECTRONICS AND COMPUTER SCIENCE**

**WORKSHOP ON**  
**DIGITAL ELECTRONICS**

**Duration:** 5 Days

**Date:** 11, 12, 13, 14, 15 MARCH - 2024

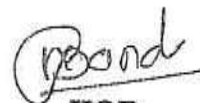
**CLASS:** SY-BTech: 2023-24

**Evaluation Procedure**

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

A.A. Magdum

**PROGRAM CO- ORDINATOR**



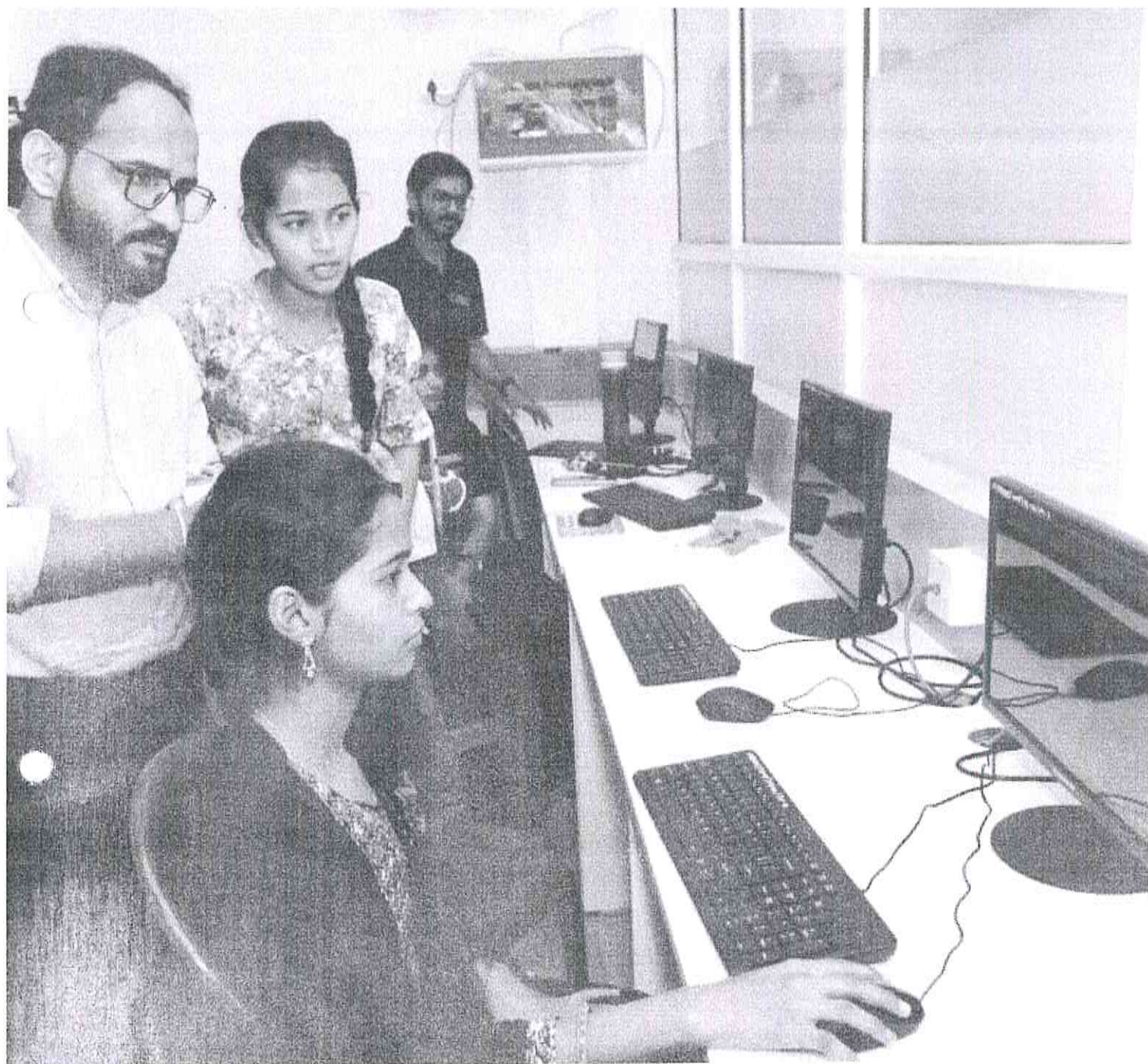
**HOD**

**HOD**

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









Accredited by NAAC with B+

An ISO 9001-2015 Certified Institute

Dinkarrao K. Shinde Smarak Trusts



**Dr. A. D. Shinde College of Engineering, Bhadgaon.**

Guddai, Tal: Gadhinglaj, Dist: Kolhapur-416502, Mob. - 8380049000

# Certificate

This is to certify that Mr./Mrs./Miss./ Sakshi Anil Patil of  
SY. B. Tech has participated in 5-Days Workshop on “Digital  
Electronics” held by the Department of Electronics & Computer Science from 11<sup>th</sup> Mar 2024 to 15<sup>th</sup> Mar 2024.

A. A. Magdum  
Co-Ordinator

Band  
Prof. M. A. Bandi

HOB

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



W. J. Ghewade  
Dr. D. V. Ghewade  
Principal

DADSCOE Bhadgaon.

PRINCIPAL  
A. D. Shinde College of Engineering  
Bhadgaon, Tal. Gadhinglaj, Dist. Kolhapur





Accredited by NAAC with B+

An ISO 9001-2015 Certified Institute

Dinkarrao K. Shinde Smarak Trusts



**Dr. A. D. Shinde College of Engineering, Bhadgaon.**

Guddai, Tal: Gadhinglaj, Dist: Kolhapur-416502, Mob. - 8380049000

# Certificate

This is to certify that Mr./Mrs./Miss./.....Tejaswini Tanaji Patil.....of  
.....S.T.: B. Tech.....has participated in 5-Days Workshop on “Digital  
Electronics” held by the Department of Electronics & Computer Science from 11<sup>th</sup> Mar 2024 to 15<sup>th</sup> Mar 2024.

A. A. Magdum  
Co-Ordinator

*Band*

Prof. M. A. Bandi

HOD

HOD

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



*Dr. D. V. Ghewade*

Principal

DADSCOE Bhadgaon.

PRINCIPAL

A. D. Shinde College of Engineering  
Bhadgaon, Tal. Gadhinglaj, Dist. Kolhapur



Dinkarrao K. Shinde Smarak Trusts

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

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

**Academic Year 20223-24**

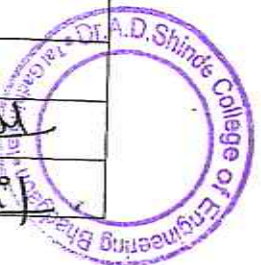
**Department of Electronics & Computer Science**



**Attendance for Workshop on Digital Electronics**

**Semester: III**

Sl. No.	NAME	PRN	11 Mar-2024	12 Mar-2023	13 Mar -2023	14 Mar -2023	15 Mar -2023
1	BIRANJE ANIKET TAMAJI	2022086788	<u>Abiraje</u>	<u>Abiraje</u>	<u>Abiraje</u>		<u>Abiraje</u>
2	CHAVAN RAJWARDHAN BAJIRAO	2022085998	<u>Rchaven</u>	<u>Rchaven</u>		<u>Rchaven</u>	<u>Rchaven</u>
3	CHETAGIRI ROHAN RAJENDRA	2022086131	<u>Rohem</u>		<u>Rohan</u>		<u>Rohan</u>
4	CHINDAKE SANKET RANDOPANT	2022086015					
5	DESAI TEJASWINI KISHOR	2022086015	<u>Te</u>				
6	DORUGADE ASHWINI PIRAJI	2022086166	<u>Ashwin</u>	<u>Ashwin</u>	<u>Ashwin</u>	<u>Ashwin</u>	<u>Ashwin</u>
7	GALANDE AMIT KAILASH	2022086182	<u>Amit</u>	<u>Amit</u>		<u>Amit</u>	
8	KAVITKAR SHUBHAM VITTHAL	2022086046					
9	KHOT PRATHMESH PRAKASH	2022086708	<u>Khot</u>	<u>khot</u>	<u>khot</u>	<u>khot</u>	<u>khot</u>
10	KOLUGADE HARSHVARDHAN B	2022086175					
11	MORE SANGRAM SURESH	2022086792					
12	PATIL ANKITA ANANT	2022086026	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>
13	PATIL SUSMITA SHAMRAO	2023079525	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>







Dinkarrao K. Shinde Smarak Trusts

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

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

**Academic Year 20223-24**

**Department of Electronics & Computer Science**



Sl. No.	NAME	PRN	09 OCT-2023	10 OCT-2023	11 OCT-2023	12 OCT-2023	13 OCT-2023
14	POWAR YUVRAJ DHANAJI	2023078357	<u>YDhanaji</u>		<u>YDhanaji</u>	<u>YDhanaji</u>	
15	MORE NIRANJAN SHIVAJI	2023079616	<u>More</u>	<u>More</u>	<u>More</u>	<u>More</u>	<u>More</u>
16	VHANOLI AKSHAY SUNIL	2023078357					
17	KURADE SHUBHAM HINDURAV	2023079620	<u>KShubham</u>		<u>KShubham</u>	<u>KShubham</u>	
18	PATIL DNYANESHVARI DILIP	2023078355		<u>DPatil</u>			
19	MATALE GAUTAMI ARJUN	2023080553	<u>MAle</u>	<u>MAle</u>		<u>MAle</u>	<u>MAle</u>
20	CHOUGULE DHANASHREE C	2023078358			<u>DC</u>		<u>DC</u>
21	POWAR TANUJA SUBHASH	2023078353	<u>Powar</u>	<u>Powar</u>	<u>Powar</u>	<u>Powar</u>	<u>Powar</u>
22	APATE AVADHUT APPASAHEB	2023078354		<u>ApA</u>	<u>ApA</u>	<u>ApA</u>	<u>ApA</u>
23	CHOUGULE PRAJWAL PRAKASH	2023078359	<u>Chougule</u>	<u>Chougule</u>	<u>Chougule</u>	<u>Chougule</u>	<u>Chougule</u>
24	GAVADE PRACHI PRAKASH	2023079612	<u>PGP</u>	<u>PGP</u>	<u>PGP</u>	<u>PGP</u>	<u>PGP</u>
25	KAMBLE SNEHAL SUDAM	2023078356	<u>Kamble</u>	<u>Kamble</u>	<u>Kamble</u>		<u>Kamble</u>
26	SUTAR BALASAHEB DATTATRAYA	2023079535	<u>B.D. Sutar</u>	<u>B.D. Sutar</u>			<u>Sutar</u>
27	VAIDIKA KRUSHNAT TELI	2023077952	<u>Teli</u>		<u>Teli</u>		<u>Teli</u>
28	BHALEKAR SAHIL YIVRAI	2023077957	<u>Bha</u>	<u>Bha</u>	<u>SJB</u>	<u>SJB</u>	<u>SJB</u>





Dinkarrao K. Shinde Smarak Trusts

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

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

**Academic Year 20223-24**

**Department of Electronics & Computer Science**



Sl. No.	NAME	PRN	09 OCT-2023	10 OCT-2023	11 OCT-2023	12 OCT-2023	13 OCT-2023
29	CHAVAN AMIT SANJAY	2023077985	Chavan	Chavan		Chavan	
30	SHALGAR NISHA RAJESH	2023080348					
31	CHOUGALE SAMBHAJI PANDURANG	2023077972	Sambhaji	Sambhaji			Sambhaji
32	MUGALIHALKAR NIKHIL HUVANI	2023077987		Nikhil		Nikhil	
33	PATIL ROHIT PRATAP	2023077970	Rohit	Rohit	Rohit		
34	RAKATADE SANDESH RAJENDRA	2023077976	Sandesh		Sandesh		
35	SUTAR HARSHWARDHAN UTTAM	2023080250	Harshwardhan		Harshwardhan		
36	SATHE SHWETA SANDIP	2023079553		Sathe		Sathe	
37	MIRAJKAR NIKHIL SANDEEP	2023079007	Mirajkar		Mirajkar		Mirajkar
38	KANGRALKAR HARSHADA ANKUSH	2023078352					
39	DIVTNKAR SNEHAL SHRIKANT	2023077981	Snehal	Snehal	Snehal		
40	NIKAM ANJALI SAGAR	2023077973	Anjali	Anjali		Anjali	







Dinkarrao K. Shinde Smarak Trusts

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

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

**Academic Year 20223-24**

**Department of Electronics & Computer Science**



Sl. No.	NAME	PRN	09 OCT-2023	10 OCT-2023	11 OCT-2023	12 OCT-2023	13 OCT-2023
41	PATIL AMOL ARVIND	2023080362	<i>Amol P.</i>	<i>Amol P</i>	<i>Amol P</i>	<i>Amol P</i>	<i>Amol P</i>
42	AMATE RAHUL BASAVARAJ	2023077948		<i>R Amate</i>	<i>R Amate</i>		
43	MIRAJE MAYUR ARUN	2023078361	<i>Miraje</i>	<i>Miraje</i>		<i>Miraje</i>	<i>Miraje</i>
44	DESAI ROHAN VIJAY	2023077951					
45	SUTAR AVADHUT TANAJI	2023080350	<i>Sutar</i>	<i>Sutar</i>		<i>Sutar</i>	<i>Sutar</i>
46	KHAIRMODE RAVIKIRAN RAJENDRA	2023077974					
47	JATHAR SAKSHI MANSING	2023078979	<i>Jathar</i>	<i>Jathar</i>	<i>Jathar</i>		<i>Jathar</i>
48	INGAWALE SAMRUDDHI SAKHARAM	2023077989					
49	GODASE KARUNA TUKARAM	2023078940	<i>K. Godase</i>	<i>K. Godase</i>	<i>K. Godase</i>		
50	JAGADALE SANIYA BHIKAJI	2023077964					
51	PATIL ASHWINI	2023078351	<i>SPatil</i>	<i>SPatil</i>	<i>SPatil</i>		<i>SPatil</i>





Dinkarrao K. Shinde Smarak Trust

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

Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502

**Academic Year 20223-24**

**Department of Electronics & Computer Science**



Sl. No.	NAME	PRN	09 OCT-2023	10 OCT-2023	11 OCT-2023	12 OCT-2023	13 OCT-2023
52	KHARADE VAISHNAVI B	2023079604	K.V.B	K.V.B		K.V.B	
53	KHARADE ANKITA RANJIT	2023077993	<del>(A) KHARADE</del>	<del>(A) KHARADE</del>		<del>(A) KHARADE</del>	
54	PATIL SAKSHI ANIL	2023077958	<del>PATIL</del>		<del>PATIL</del>	<del>PATIL</del>	<del>PATIL</del>
55	RAJIGARE JYOTI BALASO	2023079531	<del>JRajigare</del>	<del>JRajigare</del>	<del>JRajigare</del>		<del>PATIL</del>
56	MULLA AFTAB MEHABUB	2023077990	<del>Mulla</del>	<del>Mulla</del>		<del>Mulla</del>	<del>Mulla</del>

*(Signature)*

HOD

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







Dinkarrao K. ShindeSmarak Trusts

**DR.A. D. SHINDE COLLEGE OF ENGINEERING.**  
Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502  
**Department of Electrical Engineering**  
**Academic Year 2023-24**



## 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 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 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:

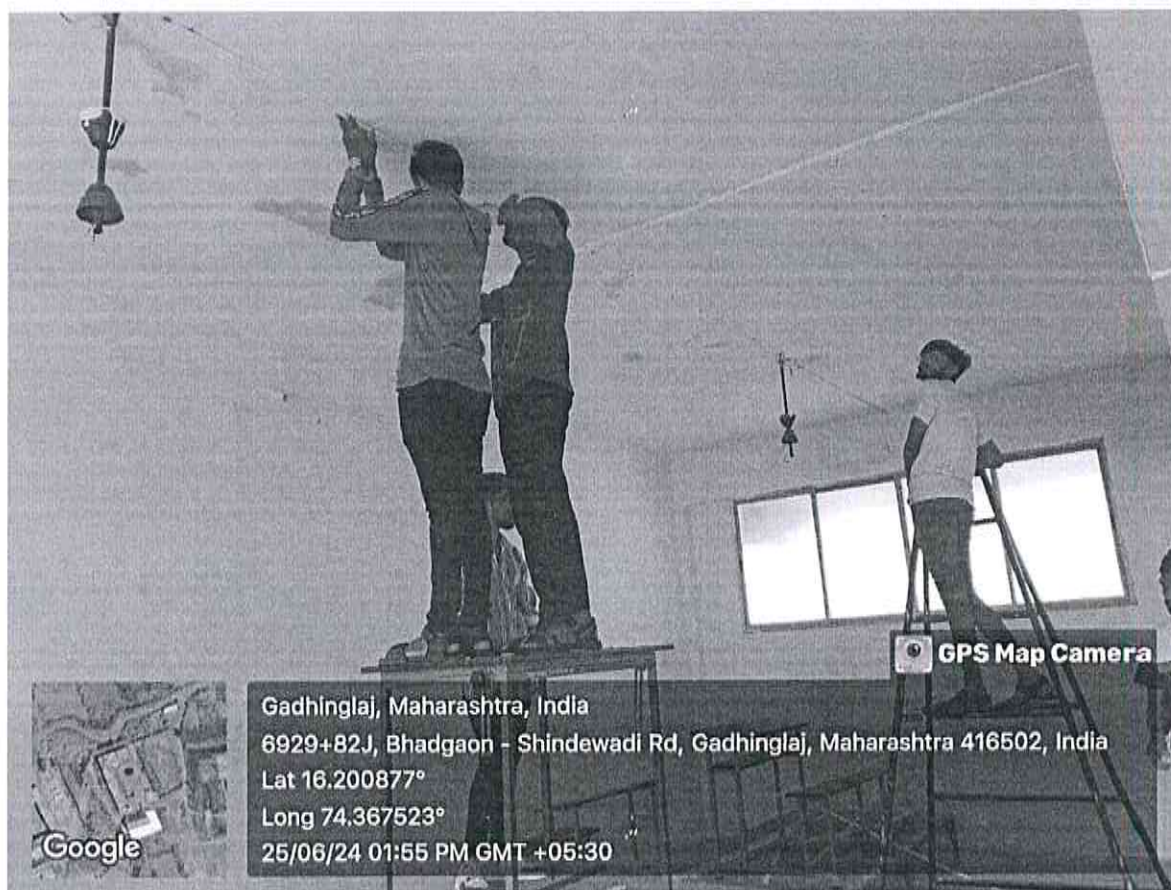




## Inauguration function:

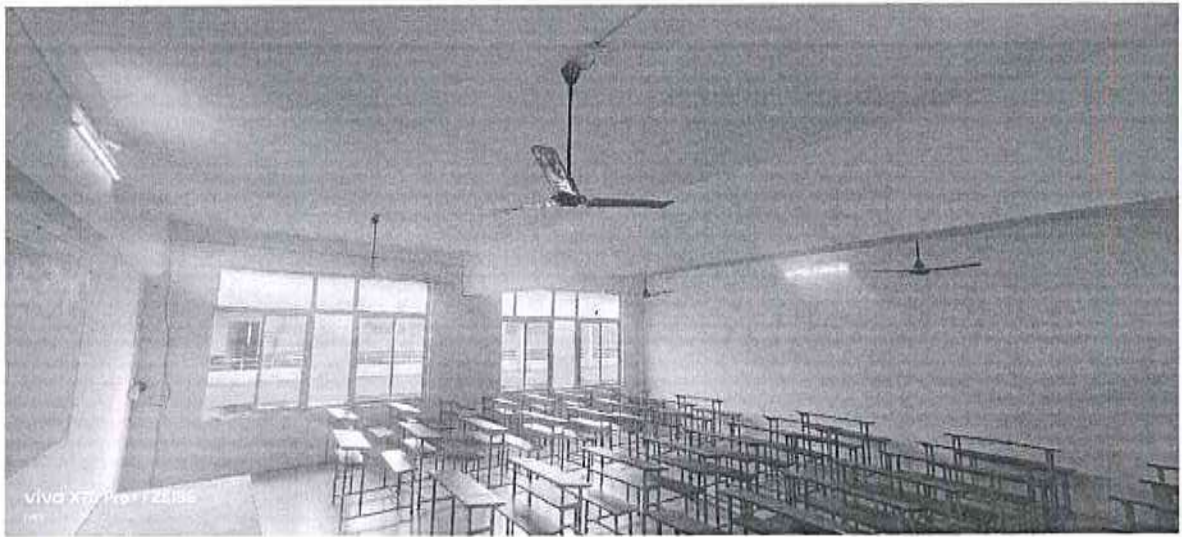


## Practical Working Images

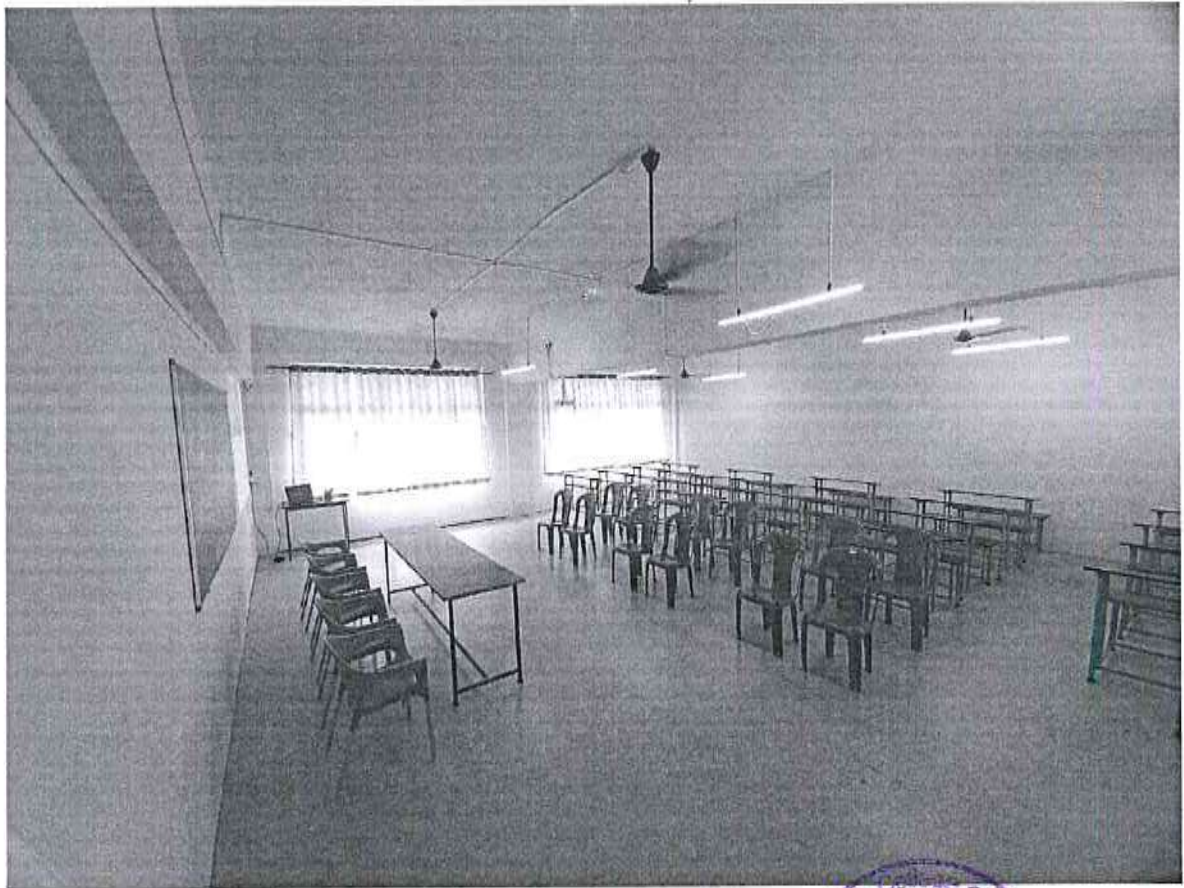




**Before Image**



**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**

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> <p><small>Dinkarrao K. Shinde Smarak Trust</small></p> <p><b>DR. A. D. SHINDE COLLEGE OF ENGINEERING</b></p> <p><small>Bhadgaon, Gadhinglaj, Dist: Kolhapur Pin-416502</small></p> <p><b>Department of Electrical Engineering</b></p> <p><b>Academic Year 20223-24</b></p> </div> </div>									
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	Kharimode Ravikiran (RCS) 2023077774	2023077774	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	
2	Pradip Chavhan (ECS) 2023078853	2023078853	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	
3	Rohit Kumbhar (ECS) 2023078853	2023078853	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	
4	Dnyaneshwari Patil (ECS) 2023078853	2023078853	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	
5	Godase Karuna Tukaram 2023078853	2023078853	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	
6	Shivonand M. Mujonde (ECS) 2023078853	2023078853	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	
7	Kishi M. Tangadi (ED) 2023078853	2023078853	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	
8	Shrawan S. Patil (ED) 2023078853	2023078853	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	
9	Aniket R. Agare (ECS) 2023078853	2023078853	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	
10	Hatlik. K. Jadhav 2023078853	2023078853	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	
11	Dang Vinay V. 2023078853	2023078853	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	
12	Vinay Anil Katarwale 2023078853	2023078853	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	
13	Tejaswini T. Patil (ECS) 2023078853	2023078853	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	
14	Samudhi S. Injale (ECS) 2023078853	2023078853	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	
15	Manali P. Mohare ECS 2023078853	2023078853	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	
16	Aftab. M. Mulla (ECS) 2023078853	2023078853	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	
17	Rutuja C. Padake (ECS) 2023078853	2023078853	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	
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

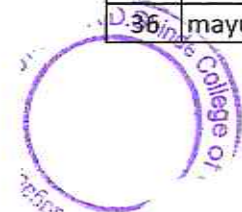
\_\_\_\_\_  
 PRINCIPAL



S.no	Name	Course Id	CourseName	Profession	Department	Study Year	Timeline
1	Abhishek Amarsinh Mane	noc24-me13	Mechatronics	student	Mechanical Engineering	4	Jan-Apr 2024
2	Aditya	noc24-ee50	Computer-Aided Design of Electrical Machines	student	Electrical Engineering	3	Jan-Apr 2024
3	ROHIT VIJAY SAVYANAVAR	noc24-ce07	Construction Methods And Equipment Management	faculty	Civil Engineering	None	Jan-Apr 2024
4	AJIT ASHOK NALANG	noc24-me13	Mechatronics	student	Mechanical Engineering	4	Jan-Apr 2024
5	AJIT ASHOK NALANG	noc24-me51	Mechanics of Sheet Metal Forming	student	Mechanical Engineering	4	Jan-Apr 2024
6	Akash bhiungade	noc24-me51	Mechanics of Sheet Metal Forming	student	Mechanical Engineering	4	Jan-Apr 2024
7	amit madakari	noc24-ce01	Advanced Foundation Engineering	faculty	Civil Engineering	None	Jan-Apr 2024
8	ANKUR GODSE	noc24-mg01	Project Management	student	Civil Engineering	3	Jan-Apr 2024
9	Arpita Sawant	noc24-cs14	Artificial Intelligence: Knowledge Representation	student	Computer Science and Engineering	1	Jan-Apr 2024
10	Awadan Omkar Dashrath	noc24-me68	Cryogenic Hydrogen	student	Mechanical Engineering	4	Jan-Apr 2024
11	Bhushan Mohan Satardekar	noc24-me13	Mechatronics	student	Mechanical Engineering	4	Jan-Apr 2024
12	Bhushan Mohan Satardekar	noc24-me14	Modelling And Simulation Of Dynamic Systems	student	Mechanical Engineering	4	Jan-Apr 2024
13	Onkar babaso kamble	noc24-ee10	Advanced topics in Wireless Communication (Hindi)	student	Electrical Engineering	4	Jan-Apr 2024
14	Basavaraj Annappa Angadi	noc24-ee53	Electrical Machines - II	faculty	Electrical Engineering	None	Jan-Apr 2024
15	Shailesh Chandrakant chavan	noc24-ce54	Advanced Topics in Science and Technology of Concrete	student	Civil Engineering	4	Jan-Apr 2024
16	Tejaswiti Kishor Desai	noc24-cs58	Discrete Mathematics	student	Electronics and Communication Engineering	2	Jan-Apr 2024
17	Tejaswiti Kishor Desai	noc24-ee46	Microprocessors and Microcontrollers	student	Electronics and Communication Engineering	2	Jan-Apr 2024
18	Viraj desai	noc24-cs53	Data Science for Engineers	student	Computer Science and Engineering	1	Jan-Apr 2024



19	DIGAMBAR SAMBHAJI KHORATE	noc24-ce09	Earthquake Resistant Design of Foundations	faculty	Civil Engineering	None	Jan-Apr 2024
20	Gourav Shankar Bagadi	noc24-ma11	Applied Linear Algebra in AI and ML	student	Electrical Engineering	1	Jan-Apr 2024
21	Gundurav Goral	noc24-ee09	A brief introduction of Micro Sensors	student	Electronics and Communication Engineering	4	Jan-Apr 2024
22	Hemlata Raghunath Patil	noc24-ge11	Biophotonics	faculty	Physics	None	Jan-Apr 2024
23	harshavardhan ghatage	noc24-ee10	Advanced topics in Wireless Communication (Hindi)	student	Electrical Engineering	2	Jan-Apr 2024
24	harshavardhan ghatage	noc24-ee39	Design Of Power Electronic Converters	student	Electrical Engineering	2	Jan-Apr 2024
25	KARAN SUDHAKAR DESAI	noc24-cs42	Problem Solving Through Programming In C	student	Computer Science and Engineering	2	Jan-Apr 2024
26	Ravikiran Rajendra Khairmode	noc24-cs08	An Introduction to Artificial Intelligence	student	Computer Science and Engineering	2	Jan-Apr 2024
27	Kishor joshi	noc24-me24	Advanced Robotics	faculty	Mechanical Engineering	None	Jan-Apr 2024
28	Ashwini Piraji Dorugade	noc24-cs58	Discrete Mathematics	student	Electronics and Communication Engineering	2	Jan-Apr 2024
29	Shirish Ashok Lohar	noc24-ce54	Advanced Topics in Science and Technology of Concrete	student	Civil Engineering	3	Jan-Apr 2024
30	Mahadev Shamrav Jadhav	noc24-ee39	Design Of Power Electronic Converters	student	Electrical Engineering	2	Jan-Apr 2024
31	Moture Manali Parasharam	noc24-cs11	Advanced Computer	student	Electronics Engineering	2	Jan-Apr 2024
32	Moture Manali Parasharam	noc24-cs19	Computer Networks And Internet Protocol	student	Electronics Engineering	2	Jan-Apr 2024
33	Moture Manali Parasharam	noc24-cs44	Programming in Modern C++	student	Electronics Engineering	2	Jan-Apr 2024
34	Moture Manali Parasharam	noc24-cs58	Discrete Mathematics	student	Electronics Engineering	2	Jan-Apr 2024
35	Moture Manali Parasharam	noc24-ee46	Microprocessors and Microcontrollers	student	Electronics Engineering	2	Jan-Apr 2024
36	mayur parit	noc24-ae11	Aerospace Structural	student	Mechanical Engineering	5	Jan-Apr 2024





37	Shejal Vishnu Desai	noc24-ee10	Advanced topics in Wireless Communication (Hindi)	student	Electrical Engineering	4	Jan-Apr 2024
38	Nivedita Rajaram Rhatwal	noc24-cs11	Advanced Computer Networks	student	Computer Science and Engineering	2	Jan-Apr 2024
39	Omkar Dinkar Lokhande	noc24-ee10	Advanced topics in Wireless Communication (Hindi)	student	Electrical Engineering	4	Jan-Apr 2024
40	Shailesh Chandrakant chavan	noc24-cs06	Advanced Computer Architecture	faculty	Computer Science and Engineering	None	Jan-Apr 2024
41	Purushottam Gorakh panasare	noc24-cs11	Advanced Computer Networks	student	Computer Science and Engineering	4	Jan-Apr 2024
42	Parth Vinod Musale	noc24-cs02	Introduction to programming in C	student	Computer Science and Engineering	2	Jan-Apr 2024
43	Patil Ankita Anant	noc24-cs58	Discrete Mathematics	student	Electronics and Communication Engineering	2	Jan-Apr 2024
44	Prabhakar Bhaskar Kamble	noc24-me13	Mechatronics	student	Mechanical Engineering	4	Jan-Apr 2024
45	Pooja	noc24-ce45	Introduction to Civil Engineering Profession	faculty	Civil Engineering	None	Jan-Apr 2024
46	Prachi Shivaji Chothe	noc24-cs08	An Introduction to Artificial Intelligence	student	Computer Science and Engineering	2	Jan-Apr 2024
47	Pradip Pan durang Patil	noc24-me68	Cryogenic Hydrogen	student	Mechanical Engineering	4	Jan-Apr 2024
48	Prasad vitthal Konduskar	noc24-me13	Mechatronics	student	Mechanical Engineering	4	Jan-Apr 2024
49	Prasad vitthal Konduskar	noc24-me51	Mechanics of Sheet Metal Forming	student	Mechanical Engineering	4	Jan-Apr 2024
50	Sakshi Anil Patil	noc24-cs08	An Introduction to Artificial Intelligence	student	Computer Science and Engineering	2	Jan-Apr 2024
51	VINAYAK SHIVGONDA PATIL	noc24-ce08	Development and Applications of Special	faculty	Civil Engineering	None	Jan-Apr 2024
52	nilesh narayan chougale	noc24-ee10	Advanced topics in Wireless Communication (Hindi)	student	Electrical Engineering	4	Jan-Apr 2024
53	nilesh narayan chougale	noc24-ee39	Design Of Power Electronic Converters	student	Electrical Engineering	4	Jan-Apr 2024
54	Rajesh Ramesh Savant	noc24-me13	Mechatronics	student	Mechanical Engineering	4	Jan-Apr 2024



55	Rohit Uttam Bhosale	noc24-me13	Mechatronics	student	Mechanical Engineering	4	Jan-Apr 2024
56	Rutika Guruprasad kamalakar	noc24-cs13	AI:Constraint Satisfaction	student	Computer Science and Engineering	2	Jan-Apr 2024
57	Rutuja chandrakant Padekar	noc24-cs08	An Introduction to Artificial Intelligence	student	Computer Science and Engineering	2	Jan-Apr 2024
58	Sachin Dilip Dhobale	noc24-me51	Mechanics of Sheet Metal Forming	student	Mechanical Engineering	4	Jan-Apr 2024
59	Sachin Dilip Dhobale	noc24-me74	Introduction to Solidification Processing	student	Mechanical Engineering	4	Jan-Apr 2024
60	Sahil Shivaji Horamble	noc24-ee10	Advanced topics in Wireless Communication (Hindi)	student	Computer Science and Engineering	1	Jan-Apr 2024
61	Sakshi Amar Borgave	noc24-cs14	Artificial Intelligence: Knowledge Representation	student	Computer Science and Engineering	2	Jan-Apr 2024
62	Samruddhi Sakharam Ingavale	noc24-ee71	Communication Networks	student	Electronics and Communication Engineering	2	Jan-Apr 2024
63	Sarjerao Chandrakant Powar	noc24-ee66	Nonlinear and Adaptive	faculty	Electrical Engineering	None	Jan-Apr 2024
64	Shailesh Chandrakant Chavan	noc24-ar03	Environmental Impact Assessment	faculty	Civil Engineering	None	Jan-Apr 2024
65	SHYAMALA TUKARAM BARGE	noc24-ma10	An invitation to Topology	faculty	Mathematics	None	Jan-Apr 2024
66	Shreenivas	noc24-cs19	Computer Networks And Internet Protocol	student	Computer Science and Engineering	2	Jan-Apr 2024
67	Shreya Kiran ingawale	noc24-ee10	Advanced topics in Wireless Communication (Hindi)	student	Electrical Engineering	4	Jan-Apr 2024
68	SHUBHAM JAYWANT DESAI	noc24-cs47	Software Testing	student	Computer Science and Engineering	1	Jan-Apr 2024
69	Shubham Satappa Parit	noc24-ee10	Advanced topics in Wireless Communication (Hindi)	student	Electrical Engineering	4	Jan-Apr 2024
70	Shubham Satappa Parit	noc24-ee39	Design Of Power Electronic Converters	student	Electrical Engineering	4	Jan-Apr 2024
71	Shweta Siddappa bandi	noc24-cs11	Advanced Computer Networks	student	Computer Science and Engineering	2	Jan-Apr 2024





72	SHRIPAD PUNDALIK BAGADI	noc24-ph02	A Brief Course On Superconductivity	faculty	Mechanical Engineering	None	Jan-Apr 2024
73	Samiksha suhas kolekar	noc24-ee11	Analog Circuits	student	Electronics and Communication Engineering	1	Jan-Apr 2024
74	Mr. Suraj R. Wadagule	noc24-ce46	Concrete Technology	faculty	Civil Engineering	None	Jan-Apr 2024
75	Neha vishwas desai	noc24-cs14	Artificial Intelligence: Knowledge Representation	student	Computer Science and Engineering	1	Jan-Apr 2024
76	Tejas Basavant Regade	noc24-cs11	Advanced Computer Networks	student	Computer Science and Engineering	1	Jan-Apr 2024
77	vaishnavi	noc24-cs14	Artificial Intelligence: Knowledge Representation	student	Computer Science and Engineering	2	Jan-Apr 2024
78	Varsharani Suresh Chothe	noc24-cs06	Advanced Computer Architecture	student	Computer Science and Engineering	4	Jan-Apr 2024
79	Vikram Arun Kutre	noc24-cs02	Introduction to programming in C	student	Electronics and Communication Engineering	1	Jan-Apr 2024
80	Yogesh Narayan Patil	noc24-me13	Mechatronics	student	Mechanical Engineering	4	Jan-Apr 2024
81	Yogesh Narayan Patil	noc24-me51	Mechanics of Sheet Metal Forming	student	Mechanical Engineering	4	Jan-Apr 2024





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to  
**MANALI PARASHARAM MOTURE**  
for successfully completing the course

## Computer Networks and Internet Protocol

with a consolidated score of **53** %

Online Assignments	22.81/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **9310**

**Jan-Apr 2024**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS19S459600728

To verify the certificate



No. of credits recommended: 3 or 4