



Rajgad Dnyanpeeth's

## SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal – Bhor, Dist- Pune (Maharashtra)

### CRITERION 1 – Curricular Aspects

#### Key Indicator – 1.2 Academic Flexibility-

**1.2.3 Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year 2021-2022**

Year	Number of Students enrolled/Attended	
2021-2022	217	

Program Code	Program Name	Name of Certificate/Diploma Program introduced	Year of Introduction	Total No of Students Attended the Course
632411	Civil Engineering	1.Auto Cad Software Training Program	2021-22	20
		2.STTD Pro Software Training Program		20
632412	Computer Engineering	Programming Language(C,C++)	2021-22	77
632413	E&TC Engineering	PLC&SCADA	2021-22	40
632414	Mechanical Engineering	Surface Design & Simulation in Solidworks	2021-22	60



Rajgad Dnyanpeeth's  
**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF  
ENGINEERING**

S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhore, Dist: Pune

**Add on course on  
"Auto Cad Software Training  
Program"**

**(09<sup>th</sup> Oct 2021 to 23<sup>rd</sup> Oct 2021)**

**Organized By**

**Department of Civil Engineering**

**Savitribai Phule Pune  
University Pune, India**

09/21, 4:45 PM

Gmail - Invitation letter for Add on course on, " Auto Cad Software Training Program"



Sushma Jadhav <[jadhav.sush29@gmail.com](mailto:jadhav.sush29@gmail.com)>

## Invitation letter for Add on Course on, " Auto Cad Software Training Program"

2 messages

Mon, Sep 09, 2021 at 2:17 PM

sushma jadhav <[jadhav.sush29@gmail.com](mailto:jadhav.sush29@gmail.com)>

To: [agailkwad199@gmail.com](mailto:agailkwad199@gmail.com)

Respected sir,

Our department of Civil Engineering is going to organize a Add on Course on "Auto Cad Software Training Program" on 09 Oct 2021 to 23 Oct 2021 Saturday & Sunday at 10:00 Am to 5:00 Pm for students of in the Institute. Considering your expertise and experience in the same field, it gives us immense pleasure to invite you as a recourse person to the above said Add on Course.

Kindly, accept the invitation and acknowledge the same.

Thank You

Regards,

Coordinator

Prof. Shital Salunkhe

SCSCOE, Dhangwadi.

(Mob. No. 9860171442)

Prof. Sushma Jadhav

SCSCOE, Dhangwadi

(Mob. No. 7249600103)

Mon, Sep 09, 2021 at 4:15 PM

Mr. Abhijeet Gaikwad <[agailkwad199@gmail.com](mailto:agailkwad199@gmail.com)>

To: sushma jadhav <[jadhav.sush29@gmail.com](mailto:jadhav.sush29@gmail.com)>

Hello Ma'am

I am glad for the opportunity given by you for give the Auto Cad Training to students. I accept the invitation.

Regards

Mr. Abhijeet

Gaikwad

9922456676



<https://mail.google.com/mail/u/0/?ik=388e84a0ec&view=pt&search=all&permthid=thread-a%3Ar4815212812122884878&simpl=msg-a%3Ar7028375>



RajgadDnyanpeeth's  
**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**  
S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune

**DEPARTMENT OF CIVIL ENGINEERING**

**Notice on Social Media Date: 13<sup>th</sup> Sep 2021**

Greetings to all.....!!

All Students of SE & TE Civil are hereby informed that we are going to start Online Auto Cad certified course program through our department those students are interested kindly contact to Prof. Salunkhe S.P.(9860171442) & Prof. Jadhav S.S.(7249600103)

Organized by Department of Civil Engg.of Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering, Dhangwadi, Pune, Maharashtra.

On 09/10/2021 to 23/10/2021 at 10.00 am to 05.00 pm.

Link to Meeting: <https://meet.google.com/vty-oeuk-swy>

Stay Home! Stay Safe!

Faculty Coordinator:  
Prof. S. P. Salunkhe (9860171442)  
Prof. S. S. Jadhav (7249600103)

Head of the Department:  
Prof. Dr. S. S. Sayyed

Principal:  
Prof. Dr. Sanjay B. Patil

Website: [www.rajgad.edu.in](http://www.rajgad.edu.in)





**Raigad Dnyanpeeth's**  
Shri Chhatrapati Shivajiraje College of Engineering,  
Dhangwadi, Pune, Maharashtra



*Presents A 5 Days Add on Course for*

# Auto Cad Software Training Program

Both Students & Faculties can attend Add on Course.

## Course Content:

- Introduction to the Basics of Auto Cad
- Units
- The AutoCAD Commands
- Basic Shapes of Auto Cad
- Basic Steps for Auto Cad Drawing
- Preparation of Plan On Auto Cad
- Project

Meeting link: <https://meet.google.com/vty-ocuk-swy>.

**Date: 9<sup>th</sup> Oct to 23<sup>rd</sup> Oct 2021, Time: 10 pm to 5 pm**

Certificate will be available after successful participation

**Organized by: Department of Civil Engineering**

Head of Department

Prof. Dr. S. S. Sayed

Principal

Prof. Dr. Sanjay B. Patil



Speaker:

**Mr. Abhijeet L Gaikwad**  
Cad Trainer

**ECADD Institute Bhor**

Faculty Coordinators :

Prof. Shital P. Salunkhe  
(9860171442)

Prof. Sushma S. Jadhav  
(7249600103)





DEPARTMENT OF CIVIL ENGINEERING  
Schedule of Course/ Program


**Auto-Cad**


Trainer Name: Mr. Abhijeet Gaikwad (BE. CIVIL)

Date	Contents	TIME
08-10-2021	<b>Introduction To Auto Cad</b> <ul style="list-style-type: none"><li>User interface of Auto cad (UI)</li><li>Workspaces Switching</li><li>Command description</li><li>Use of mouse and keyboard</li><li>Different Selection Methods</li><li>Line Command</li><li>Pick Point Method</li><li>Absolute, Relative and Polar System</li><li>Ortho Method</li><li>Zoom and Erase</li></ul>	10 AM to 5 PM
10/10/2021	<b>Units</b> <ul style="list-style-type: none"><li>Drafting Settings (OSnap and Otrack)</li><li>Dynamic Input</li><li>Options</li><li>Properties Tab (Line type, line weight, Object Color)</li><li>Dimensions and Dimension Style</li><li>Circle (Centre Rad/Dia, 2 point, 3 point, tr, m)</li><li>Rectangle (Chamfer, Fillet, Width)</li><li>Polygon (Inscribed, Circumscribed)</li><li>Ellipse (Centre axis and elliptical arc)</li></ul>	10 AM to 5 PM
16/10/2021	<b>Units</b> <ul style="list-style-type: none"><li>Arc</li><li>Fillet and Chamfer</li><li>Move, Copy, Rotate</li><li>Offset</li><li>Trim, Extend</li><li>Mirror, Join, Break</li><li>Stretch and Scale</li><li>Explode</li><li>LIMITS (ON/OFF/COORDINATE)</li><li>Match Properties</li><li>Polylines and Polylines Edit</li></ul>	10 AM to 5 PM
17/10/2021	<b>Units</b> <ul style="list-style-type: none"><li>Layers</li><li>Layers ON/OFF, Freeze, Lock</li><li>Layer Isolate/Un Isolate</li></ul>	10 AM to 5 PM



	<ul style="list-style-type: none"> <li>• Text and Text Style</li> <li>• Single line and Multiline text</li> <li>• Spell</li> <li>• Hatch and Hatch Edit</li> <li>• Open Area Hatch</li> <li>• Table and Table Style</li> <li>• Array (Rectangular, Polar and Path)</li> <li>• Area</li> <li>• X-Line and Ray</li> </ul>	
23/10/2021	<b>PROJECT</b>	10 AM to 5 PM
	<ul style="list-style-type: none"> <li>• Building Planning Techniques and Vastu Shastra</li> <li>• Elevations and Sections</li> <li>• Building Plans</li> <li>• Group and Group Edit</li> <li>• Boundary</li> </ul>	

  
**Prof. S. P. Salunkhe & Prof. S. S. Jadhav**  
 Coordinator

  
**Prof. Dr. S. S. Sayyed**  
 Head, Department of Civil Engineering  
 Dept. of Civil Engineering  
 Shri Chh. Shivajiraje College of Engg.  
 Dhangawadi, Pune-412206





Rajgad (Dhule) Dist. 1

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING,  
Cat. No. 237, Pune Bangalore Highway, Dhangawadi, Tal: Bhor, Dist: Pune

AUTOCAD SOFTWARE TRAINING PROGRAM REPORT

DEPARTMENT Civil

CLASS SE & TE students

NAME OF RESOURCE PERSON Mr. Abhijeet Gaikwad (BE Civil)

FROM ECADD Computer Institute Bhor.

TITLE/TOPIC Add on Course on "Auto Cad Software Training Program"

DAY & DATE 09/10/2021 to 23/10/2021      DURATION OF SESSION 30hrs

MEETING LINK- <https://meet.google.com/vtj-ocuk-stwv>

ATTENDEES 20

CO-ORDINATOR Prof. S. P. Salunkhe, Prof. S. S. Jadhav

OBJECTIVE The objective of the Course is to create awareness among participants along with hands-on experience regarding concepts of Auto Cad functions, and its applications.

DESCRIPTION Department of Civil Engineering organized online Add on Course on "Auto Cad Software Training Program" on 09/10/2021 to 23/10/2021 for SE, and TE Civil students to give information about Auto Cad. This Auto CAD training is created and designed in such a way that helps the learners to gain immense knowledge and understanding about the applications and purpose of the software. With this training the students will get a brief knowledge about the most commonly used tools and functions to create simple and basic projects with AutoCAD. The core objective of this training is to provide students a platform where they can explore and take the right career opportunities by mastering this program.

A student who has studied this course can take up several career options such as AutoCAD operator, AutoCAD Draughtsman, AutoCAD Engineer and many more future paths can be explored by learning the right skill and technique of the program.





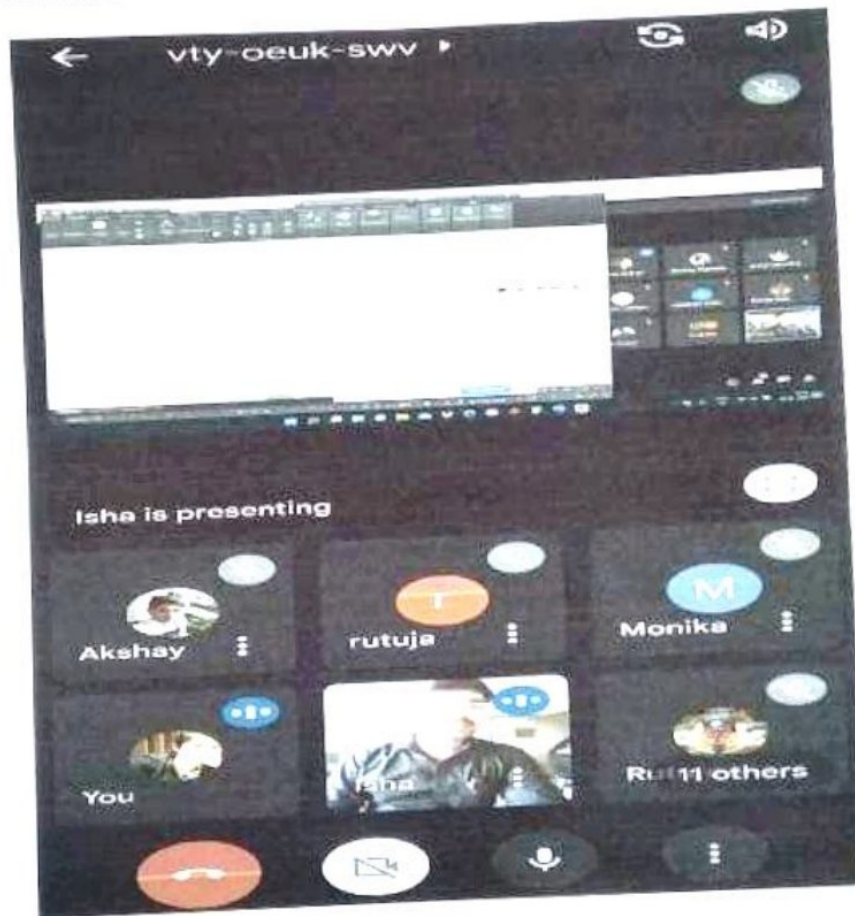


Rajgad Divanpeeth's

**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**  
Gat. No. 237, Pune Bangalore Highway, Dhangawadi, Tal: Bhor, Dist: Pune

CONCLUSION In conclusion, Auto Cad as an architectural planning tool It enables architects to design, plan, execute and analyze the strength of a building at the design stage level AutoCAD as an engineering drafting tool It helps engineers to design, analyze and solve design issues resulting in accurate designs.

Photos During Add on Course



**Gaikwad Sir showing Basic Shapes of Auto CAD**





Rajgad Dnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING,  
Gat. No. 237, Pune Bangalore Highway, Dhangawadi, Tal: Bhor, Dist: Pune



Participants during the course

Prof. S. S. Jadhav

Coordinator

Prof. S. P. Salunkhe

Coordinator

Prof. Dr. S. S. Sayyad

Head of Department  
Dept. of Civil Engineering  
Shri Chh. Shivaji Raj College of Engineering  
Dhangawadi, Pune-412 205

Prof. Dr. S. B. Patil  
Principal

Rajgad Dnyanpeeth Technical Campus  
Shri Chhatrapati Shivaji Raj College of Engineering  
Dhangawadi, Bhor, Pune-412 205





Rajgad Dnyanpeeth's  
SHRI CHHATRAPATI SHIVAJI MAHAJ COLLEGE OF ENGINEERING  
S. No. 237, Satara-Pune, NH-4, Dhargawadi, Tal. Bhor, Dist: Pune

Department of Civil Engineering

Title of Program: Add on Course on Auto CAD Software Training Program

Attendance Sheet

SCSCOE / ACAD / AF / 06 Rev 01

Sr. No.	Full Name	Institute Name	Mobile No.	Email ID	Branch	Class
1	Kshirsagar Saurabh Sunil	SCSCOE Dhargawadi	7038619661	kshirsagarsaurabh654@gmail.com	Civil	TE
2	Jain Ketan Narendrakumar	SCSCOE Dhargawadi	9822860640	janiketanj51@gmail.com	Civil	TE
3	Mahangare Pratik Sudarn	SCSCOE Dhargawadi	7410766309	pratikmahangare02@gmail.com	Civil	TE
4	Pisal Snehal Chandrabekhar	SCSCOE Dhargawadi	8805529167	snehalpals1959@gmail.com	Civil	TE
5	Shilankar Monika Uday	SCSCOE Dhargawadi	9767322157	shilankar2001@gmail.com	Civil	TE
6	Pharande Atish Ashok	SCSCOE Dhargawadi	8605578710	atishpharande@gmail.com	Civil	TE
7	Kale Rutuja Dnyaneshwer	SCSCOE Dhargawadi	9307525220	rutuak12@gmail.com	Civil	TE
8	Lokhande Vaibhav Dhiraj	SCSCOE Dhargawadi	8605849262	vaibhavlokhande529@gmail.com	Civil	TE
9	Shinde Aditya Nandkumar	SCSCOE Dhargawadi	8767971347	adityanshinde9075915773@gmail.com	Civil	TE
10	Anbhore Tushar Ashish	SCSCOE Dhargawadi	7517717269	tusharanbhore19929592@gmail.com	Civil	TE
11	Arsum Muzamful Hasmat	SCSCOE Dhargawadi	8623007528	muzamfularsum@gmail.com	Civil	SE
12	Bhanuwar Muzamul Mahabhar	SCSCOE Dhargawadi	7720884185	muzamulbhanuwar@gmail.com	Civil	SE

13	Devrasi Ganesh Santosh	SCSCOE Dhangawadi	9021193308	ganeshdevrase@gmail.com	SCSCOE	Civil	SE
14	Jagtap Vivek Sanjeev	SCSCOE Dhangawadi	9373200597	jagtapvivek@gmail.com	SCSCOE	Civil	SE
15	Kendre Sainath Taterao	SCSCOE Dhangawadi	9284611433	et.sk.39@gmail.com	SCSCOE	Civil	SE
16	Lambe Durgesh Vishnu	SCSCOE Dhangawadi	7888238383	durgeshlambe@gmail.com	SCSCOE	Civil	SE
17	Thorave Sonali Mahadev	SCSCOE Dhangawadi	9822571542	sonalithorave5073@gmail.com	SCSCOE	Civil	SE
18	Pisal Sanika Arun	SCSCOE Dhangawadi	8805257486	sanika53p@gmail.com	SCSCOE	Civil	SE
19	Ranjane Sandhya Sanjay	SCSCOE Dhangawadi	9075853498	ranjanesandhya42@gmail.com	SCSCOE	Civil	SE
20	Sabale Vijaya Rohidas	SCSCOE Dhangawadi	9421760925	vijayasabale03@gmail.com	SCSCOE	Civil	SE



**Program Coordinator**

*(Signature)*



Rajgad Dnyanpeeth's  
**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**  
S.No.237, Satara-Pune, NH-4, Dhangwadi, Tal: Bhor, Dist. Pune (Maharashtra)




**DEPARTMENT OF CIVIL ENGINEERING**  
**CERTIFICATE OF APPRECIATION**


This is to certify that

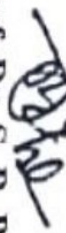
**Ms. Vijaya Rohidas Sabale**

*has successfully completed the Add on Course on "Auto Cad Software Training Program" organized by Department of Civil Engineering, Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune from 09/10/2021 to 23/10/2021.*

  
Prof. S. S. Jadhav  
Coordinator

  
Prof. S. P. Salunkhe  
Coordinator

  
Prof. Dr. S. S. Sayyed  
HOD, Civil Engg.

  
Prof. Dr. S. B. Patil  
Principal



Sushma Jadhav <jadhav\_sush29@gmail.com>



sushma jadhav <jadhav\_sush29@gmail.com>  
To: agaikwad199@gmail.com

Sun, Oct 24, 2021 at 1:17 PM

Respected sir,

On behalf of the **Rajgad Dnyanpeeth's Shri Chhatrapati College of Engineering Dhangwadi, Pune**, we wanted to express our deep gratitude to you for conduction of Add on Course on the "Auto Cad Software Training Program" on 09<sup>th</sup> Oct 2021. To 23<sup>th</sup> Oct 2021 It was really informative and useful. Definitely all the participants have benefited from your training. We are very much thankful to you for making it convenient to be with us.

Once again, thank you for making the Add on Course successful, and we expecting your continues support in future also.

Thank You

Regards,

Add on Course Coordinator

Prof Shital Salunkhe

SCSCOE, Dhangwadi

(Mob No 9860171442)

Prof Sushma Jadhav

SCSCOE, Dhangwadi

(Mob No 7249600103)

Sun, Oct 24, 2021 at 3:17 PM

Mr. Abhijeet Gaikwad <agaikwad199@gmail.com >  
To: sushma jadhav <jadhav\_sush29@gmail.com>

Hello Ma'am

I am glad for the opportunity given by you for the conduct the Add on Course on "Auto Cad Software Training

Program of something new to students.

Regards

Mr. Abhijeet

Gaikwad

9922456676





Rajgad Dnyanpeeth's  
**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF  
ENGINEERING**

S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune

**Add on course on  
"STAAD Pro Software Training  
Program"**

**(5<sup>th</sup> Mar 2022 to 19<sup>th</sup> Mar 2022)**

**Organized By**

**Department of Civil Engineering**

**Savitribai Phule Pune  
University Pune, India**



Rajgad Dnyanpeeth's

# Shri Chhatrapati Shivajiraje College of Engineering

Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra & DTE, Mumbai, and Affiliated to Savitribai Phule Pune University, Pune (ID. PU/PN/Engg./376/2009), DTE CODE : EN3624,



**Anantrao Thopte**  
Founder President, Ex. Edu Minister

**Sangram Thopte**  
MLA, Executive President

**Sau. Swarupa S. Thopte**  
Hon. Secretary

**Dr. S. B. Patil**  
Principal

RD/SCSCOE/CIVIL/ADD ON COURSE/2021-22 /

Date: - 17/02/2022

To,  
Mr. Prajwal Gaikwad,  
E-CADD Computer Institute.,  
Bhor. Pune.

**Subject: - Invitation for Add on Course on "STAAD Pro Software Training Program."**

Respected sir,

Our department of Civil Engineering is going to organize a Add on Course on "STAAD Pro Software Training Program" on 05<sup>th</sup> Mar 2022 to 19<sup>th</sup> Mar 2022 Saturday & Sunday at 10:00 Am to 5:00 Pm. for students of in the Institute. Considering your expertise and experience in the same field, it gives us immense pleasure to invite you as a recourse person for the above said Add on Course. Kindly, accept the invitation and acknowledge the same.

Thanking You

Yours faithfully

**Dr. S. S. Sayyed**  
Head of Department  
Dept. of Civil Engineering  
Shri Chh. Shivajiraje College of Engg.  
Dhangawadi, Pune-412206.



Received  
Gaikwad  
18/2/22





RajgadDnyanpeeth's  
**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**  
S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal. Bhor, Dist. Pune

Date- 22/02/2022

**DEPARTMENT OF CIVIL ENGINEERING**

**Notice**

All TE & BE Students of Civil Engineering are hereby informed that we are going to start Add on course on "STADD PRO" certified course program on 05/03/2022 to 19/03/2022 at 10.00 am to 05.00 pm. Those students are interested kindly contact to Prof. Salunkhe S.P.(9860171442) & Prof. Jadhav S.S.(7249600103)

Prof. Salunkhe S.P & Prof. S. S. Jadhav

**Program Coordinator**

Dr. S. S. Sayyed  
Head of Department  
Dept. **HOD** Engineering  
Shri Chh. Shivaji Rajawade College of Engng  
Dhangawadi, Pune-412206





**Priyogad Dnyanpeeth's**  
Shri Chhatrapati Shivajiraje College of Engineering  
Dhangwadi, Pune, Maharashtra



*Presents A 5 Days Add On Course*

# STAAD Pro Software Training Program



Speaker:

Mr. Prajwal Gaikwad

ECADD Computer

Institute Bhor.

Faculty Coordinators :

Prof. Shital P. Salunkhe

(9860171442)

Prof. Sushma S. Jadhav

(7249600103)

Both Students & Faculties can attend Add on Course.

**Course Content:**

- Introduction to the Basics of STAAD Pro
- Units
- The STAAD Pro Commands
- Basic Steps of STAAD Pro
- Model Creation
- Project

**Date: 05<sup>th</sup> Mar to 19<sup>th</sup> Mar 2022, Time: 10 pm to 5 pm**

Certificate will be available after successful participation

**Organized by: Department of Civil Engineering**

Head of Department

Prof. Dr. S. S. Sayyed

Principal

Prof. Dr. Sanjay B. Patil




DEPARTMENT OF CIVIL ENGINEERING  
Schedule of Course/ Program

STAAD Pro.		
Trainer Name: Mr. Prajwal Gaikwad (ME. CIVIL)		
Date	Contents	TIME
05/03/2022	Overview of Structural Analysis and Design <ul style="list-style-type: none"><li>• Introduction STAAD Pro V8i</li><li>• Staad Pro Workspace</li><li>• Staad Pro Interface</li><li>• A. Menu bar</li><li>• B. Toolbar</li><li>• C. Mode Bar</li><li>• D. Page Control</li><li>• E. Datasheet</li></ul>	10 AM to 5 PM
06/03/2022	Co-ordinate Systems <ul style="list-style-type: none"><li>• Global Co-ordinate</li><li>• Local Co-ordinate Units</li><li>• Input Unit o Graphical Display</li><li>• Unit Dimensions</li><li>• Labels</li><li>• Node Labels</li><li>• Beam Labels</li><li>• Supports Labels</li><li>• Tools</li><li>• Rotation Tools</li><li>• Zoom Tools</li><li>• View Tools</li></ul>	10 AM to 5 PM
12/03/2022	Geometry creation Methods <ul style="list-style-type: none"><li>• Snap Grid Method</li><li>• A. Linear Grid B. Radial Grid</li><li>• Copy Cut Method</li><li>• Run Structure Wizard</li><li>• Co-ordinate Method</li><li>• DXF Method: Import CAD Models</li><li>• Insert Node</li><li>• For a Single Member</li><li>• For Multiple Members Add Beam</li><li>• Point to Point Between Mid point</li><li>• Perpendicular Intersection</li><li>• Curved Member</li></ul>	10 AM to 5 PM
13/03/2022	Model Editing Tools <ul style="list-style-type: none"><li>• Translational Repeat</li><li>• Circular Repeat</li><li>• Move Mirror Rotate Copy</li><li>• Connect Beams Along</li><li>• Stretch Selected Members</li><li>• Intersect Selected Members</li><li>• Create Collinear Bea</li><li>• Merge Selected Members</li></ul>	10 AM to 5 PM



19/03/2022	<p style="text-align: center;"><b>Water Tank Design</b></p> <ul style="list-style-type: none"> <li>• Creating a RCC underground rectangular tank using plates</li> <li>• Tank empty</li> <li>• Tank Full</li> <li>• Creating circular water tank</li> </ul>	10 AM to 5 PM
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**Prof. S. P. Salunkhe & Prof. S. S. Jadhav,**  
 Coordinator

  
**Prof. Dr. S. S. Sayyed**  
 Head, Department of Civil Engineering  
 Dept. of Civil Engineering  
 Shri Chh. Shivaji Maharaj College of Engineering  
 Dhangawadi, Pune-411 004





Rajgad Dhyanpeeth's

**SHRI CHHATRAPATI SHIVAJI RAJ COLLEGE OF ENGINEERING**  
Gat. No. 237, Pune Bangalore Highway, Dhangawadi, Tal: Bhor, Dist: Pune

**STAAD PRO SOFTWARE TRAINING PROGRAM REPORT**

DEPARTMENT Civil

CLASS TE & BE students

NAME OF RESOURCE PERSON Mr. Prajwal Gaikwad (ME Civil)

FROM ECADD- Computer Institute Bhor Pune

TITLE/TOPIC Add on Course on "STAAD Pro Software Training Program"

DAY & DATE 09/01/2021 to 23/01/2021 DURATION OF SESSION 30 hrs

ATTENDEES 20

CO-ORDINATOR Prof. S. P. Salunkhe, Prof. S. S. Jadhav

OBJECTIVE The objective of the Course is to create awareness among participants along with hands-on experience regarding concepts of STAAD Pro, and its applications.

DESCRIPTION Department of Civil Engineering organized online Bridge Course on "STAAD Pro Software Training Program" on 05/03/2022 to 19 /03/2022 for TE, and BE Civil students to give information about STAAD Pro. This STAAD Pro training is created It is a software used in construction. It analyses and assesses seismic performance and checks the load-bearing capacity of building structures. Using this software, you can view and manipulate the analytical model with great accuracy. Plans and elevation views are auto-generated at every grid line STAAD Pro software is used for the analysis of concrete shear walls and concrete moment frames. It is highly acclaimed for static and dynamic analysis of multi-storey frame and shear wall buildings.

The input, output and numerical solution techniques of STAAD Pro are particularly designed to take an upper hand of the unique physical and numerical characteristics associated





Rajgad Dnyanpeeth's

**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**  
Gat. No. 237, Pune Bangalore Highway, Dhangawadi, Tal: Bhor, Dist: Pune

with building type structures. As a result, this analysis and design tool accelerates data preparation, output interpretation, and overall execution

CONCLUSION: In conclusion, STAAD Pro software for civil engineering students. And also includes the advantages of STAAD Pro software in structural analysis, construction, and design of buildings, it's 3- Dimensional imaging techniques, the sophisticated design facilities offered by it for a wide range of materials, its various implications in the domain of Architecture and Civil Engineering, associated job prospectus, etc

Photos During Add on Course



**Gaikwad Sir showing Basic Concepts of STAAD PRO**





Rajgad Dnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat. No. 237, Pune Bangalore Highway, Dhangawadi, Tal: Bhor, Dist: Pune




Participants during the course

  
Prof S. S. Jadhav

Coordinator

  
Prof. S. P. Salunkhe

Coordinator

  
Prof. Dr. S. S. Sayyed  
Head of Department  
Dept. of **HOD Civil** Engineering  
Shri Chh. Shivajiraje College of Engineering  
Dhangawadi, Pune-412205

  
Prof. Dr. S. B. Patil  
Principal  
Principal Technical Campus  
Rajgad Dnyanpeeth  
Shri Chhatrapati Shivajiraje College of Engineering  
Dhangawadi, Bhor, Pune-412 205



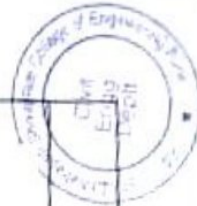


Department of Civil Engineering

Title of Program: Add on Course on STAAD Pro Software Training Program

Attendance Sheet

Sr. No.	Full Name	Date			
		03/05/2022	03/06/2022	03/12/2022	13/3/2022
1	Chavan Kunal Balasaheb	Kunale	Kunale	Kunale	Kunale
2	Chavare Rushikesh Baban	Rushikesh	Rushikesh	Rushikesh	Rushikesh
3	Kunjir Abhishek Vikas	Abhik	Abhik	Abhik	Abhik
4	Malusare Bhagyashri Vikas	Bhagyashri	Bhagyashri	Bhagyashri	Bhagyashri
5	Misal Prajakta Sharad	Misal	Misal	Misal	Misal
6	More Vaishnavi Bhanudas	More	More	More	More
7	Patil Sushant Sanjay	Patil	Patil	Patil	Patil
8	Pawale Rahul Keshav	Rahul	Rahul	Rahul	Rahul
9	Pawar Shubham Anil	Pawar	Pawar	Pawar	Pawar
10	Sarkate Prajakta Satish	Sarkate	Sarkate	Sarkate	Sarkate
11	Shedge Prajakta Hiralal	Shedge	Shedge	Shedge	Shedge
12	Ansari Masaraful Hasmat	Ansari	Ansari	Ansari	Ansari





13	Bharekar Manavi Manohar	Bharekar	Bharekar	Bharekar	Bharekar	Bharekar
14	Devrase Ganesha Santosh	Ganesh	Ganesh	Ganesh	Ganesh	Ganesh
15	Jagtap Vivek Sanjeev	Jagtap	Jagtap	Jagtap	Jagtap	Jagtap
16	Kendre Sainath Taterao	Sainath	Sainath	Sainath	Sainath	Sainath
17	Lambe Durgesh Vishnu	Lambe	Lambe	Lambe	Lambe	Lambe
18	Thorave Sonali Mahadev	Sonali	Sonali	Sonali	Sonali	Sonali
19	Ranjane Sandhya Sanjay	Ranjane	Ranjane	Ranjane	Ranjane	Ranjane
20	Sabale Vijaya Rohidas	Sabale	Sabale	Sabale	Sabale	Sabale



*[Signature]*  
 Program Coordinator



Rajgad Dnyanpeeth's

## SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

S.No.237, Satara-Pune, NH-4, Dhangwadi, Tal: Bhor, Dist. Pune (Maharashtra)




DEPARTMENT OF CIVIL ENGINEERING


### CERTIFICATE OF APPRECIATION


This is to certify that


**Mr. Kunal Balasaheb Chavan**

*has successfully completed the Add on Course on "STAAD Pro Software Training Program" organized by Department of Civil Engineering, Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune from 05/03/2022 to 19/03/2022.*

  
Prof. S. S. Jadhav  
Coordinator

  
Prof. S. P. Salunkhe  
Coordinator

  
Prof. Dr. S. S. Sayyed  
HOD, Civil Engg.

  
Prof. Dr. S. B. Patil  
Principal





Rajgad Dnyanpeeth's

# Shri Chhatrapati Shivajiraje College of Engineering

Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra & DTE, Mumbai, and Affiliated to Savitribai Phule Pune University, Pune (ID. PU/PN/Engg./376/2009), DTE CODE : EN3624,



**Anantrao Thopte**  
Founder President, Ex. Edu. Minister

**Sangram Thopte**  
MLA, Executive President

**Sau. Swarupa S. Thopte**  
Hon. Secretary

**Dr. S. B. Patil**  
Principal

RD/SCSCOE/CIVIL/ADD ON COURSE/2021-22 /

Date: - 19/03/2022

To,  
Mr. Prajwal Gaikwad,  
E-CADD Computer Institute.,  
Bhor. Pune.

**Subject:-Letter of Gratitude.**

Respected sir,

On behalf of the Rajgad Dnyanpeeth's Shri Chhatrapati College of Engineering Dhangwadi, Pune, we wanted to express our deep gratitude to you for conduction of Add on Course on the "STAAD Pro Software Training Program "on 5<sup>th</sup> Mar 2022. To 19<sup>th</sup> Mar 2022 It was really informative and useful. Definitely all the participants have benefited from your training. We are very much thankful to you for making it convenient to be with us.

Once again, thank you for making the Bridge Course successful, and we expecting your continues support in future also.

Thanking You

Yours faithfully

**Dr. S. S. Sayyed**  
Head of Department  
Dept. of Civil Engineering  
Shri Chh. Shivajiraje College of Engg.  
Dhangawadi, Pune-412206.



Received  
Gaikwad  
19/3/22



**Department of Computer Engineering**


**Date- 15/04/2022**

**NOTICE**


All S.E students are hereby informed that Computer Department has organized an Add-on course on "**Programming Language(C, C++)**" from 18<sup>th</sup> of April 2022 to 23<sup>rd</sup> of April 2022 at 11:00 am to 1:00 pm and 2:00 pm to 4:00 pm.

Note:

1. Add-on course will be offline
2. Attendance is mandatory to all
3. Add-on course will start and end as per schedule time.

  
**Prof. K. S. Khamkar**  
Coordinator



  
**Prof. B. D. Thorat**  
(H. O. D)  
Head of Department  
Dept. Computer Engineering  
Shri Chh. Shivajiraje College of Engg.  
Dhangawadi, Pune-412206



Rajgad Dnyanpeeth's  
**SHRI CHHATRAPATISHIVAJIRAJE COLLEGE OF ENGINEERING**  
Dhangwadi, Tal-Bhor, Dist. – Pune – 412206.

**INVITATION LETTER**

Date- 15/04/2022

To

Mr. Mosin Tamboli

Wipro, Pune.

**Subject:** Invitation for conducting Add-on course on "Programming Language"


Respected sir,

This gives Department of Computer Department of SCSCOE, great pleasure to request you to conduct Add-on course on "**Programming Language**" for S. E students of SCSCOE in RDTC-SCSCOE, Dhangawadi.

We will be thankful to you if you can schedule on 18<sup>th</sup> of April 2022 to 23<sup>rd</sup> of April 2022.

Waiting for your positive reply.



  
**Prof. B. D. Thorat**  
**(H. O. D)**  
**Head of Department**  
**Dept. Computer Engineering**  
**Shri Chh. Shivajiraje College of Engg.**  
**Dhangawadi, Pune-412206**



**PERMISSION LETTER**

Date- 15/04/2022

To,  
The Principal,  
RD's SCSCOE,  
Dhangawadi, Bhor.

**Subject:** Regarding permission of Add-on course "Programming Language"& Sanctioning of remuneration.

Respected sir,

Computer Department is going to conduct Add-on course on "Programming Language" for S. E. students. Mr. Mosin Tamboli has been invited as a speaker for the lecture of Computer engineering student. The Add-on course will be held in his presence. He will deliver the lecture on following day and date.


Sr. No.	Day	Date	Subject	Class
1.	Monday to Saturday	18-04-2022 to 23-04-2022	Add-on course on Programming Language	S. E. (Computer)

Kindly Sanction the remuneration of total amount Rs. 3000/-

Thanking you.

  
**Prof. K. S. Khamkar**  
Coordinator



  
**Prof B. D. Thorat**  
(H. O. D)  
Head of Department  
Dept. Computer Engineering  
Shri Chh. Shivajiraje College of Engg.  
Dhangawadi, Pune-412206

Remark



Rajgad Dnyanpeeth's  
**SHRI CHHATRAPATISHIVAJIRAJE COLLEGE OF ENGINEERING**  
Dhangwadi, Tal-Bhor, Dist. - Pune - 412206.

**CONDUCTION LETTER**

**Date-15/04/2022**

To

**Mr. Mosin Tamboli**

**Wipro, Pune**

We express our immense gratitude for having you at our college to conduct a fabulous Add-on course on "Programming Language". It was our pleasure for having a person like you at our institute. We take this opportunity to tell you this with pride that our student thoroughly enjoyed your entire sessions. We would like to know if you ever need our support.

Thank You so much.



  
**Prof. B. D. Thorat**

**(H. O. D)**

**Head of Department**

**Dept. Computer Engineering**

**Shri Chh. Shivajiraje College of Engg.**

**Dhangawadi, Pune-412206**



## REPORT OF ADD-ON COURSE ON PROGRAMMING LANGUAGE

TOPIC : “ADD-ON COURSE ON PROGRAMMING LANGUAGE”

DAY/DATE : 18/04/2022 to 23/04/2022

DURATION OF EVENT : 11:00 am to 1:00 pm and 2:00 pm to 4:00 pm.

### OBJECTIVE

1. Provide student a conceptual overview of Programming Language.
2. Understand and use essential technique of Programming Language.

### SUMMARY

The add-on course has started with Mr. Mosin Tamboli briefing the students about Programming Language and then provided the students with some free sources and sites from which they can get more information about the topic and probably can make something good out of it. Prof B. D. Thorat (Head of Department) welcomes the Guest Mr. Mosin Tamboli.

The add-on course covered the basic techniques that help students to build and apply prediction function with an emphasis on practical applications.

The course outcome of the guest lecture:

1. Familiarize the functional/operational aspects of Programming Language.
2. Understand emerging concepts of Programming Language.


The speaker for the day, Mr. Mosin Tamboli., elucidated about the basic concepts of Electronic Design Automation (EDA) and discussed how the EDA industry is growing. It is a category of software tools for designing electronic systems such as integrated circuits and printed circuit boards. The tools work together in a design flow that chip designers use to design and analyze entire semiconductor chips. Since a modern semiconductor chip can have billions of components, EDA tools are essential for their design. Sir mentioned that the prerequisite for EDA is basic





knowledge of programming in C or C++ or any kind of scripting language (Perl, python etc) and a computer science student should be proficient in C/C++ language. He further explained the role of EDA in the organizations and various job opportunities it can offer in domains of software engineering(R & D), application engineering (AE), and product validation (Testing) engineering etc. Sir also discussed about the various companies working on EDA in India and how students can search and apply for jobs there. The session ended with an interactive and informative Q&A session.



  
**Prof. K. S. Khamkar**  
Co-ordinator



  
**Prof. B. D. Thorat**  
**(H. O. D.)**  
Head of Department  
Dept. Computer Engineering  
Shri Chh. Shivajiraje College of Engg.  
Dhangawadi, Pune-412206



Add-on course on Programming Language

Student Feedback Form

Students are required to rate the course on the following attributes using the 4 -point scale shown.

Course: [tick (✓) in the relevant cell]

Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
1. Overall rating of the course content				
2. Course objectives were clear				
3. Clarity and relevance of textual reading material				
4. The teacher was effective in communicating the content of the course				
5. The teacher responded to questions in an informative, appropriate and satisfactory manner.				
6. Do you have any suggestions for future add-on course that you would like us to organize?				
7. Would you recommend this course to other students?				
Any Other Comments-				

Thank you for participating, we appreciate your feedback!!!!!!!





Rajgad Dnyanpeeth's  
SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING  
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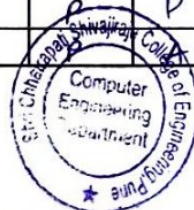
DEPARTMENT OF COMPUTER ENGINEERING

Academic Year: 2021-2022

Roll Call List

Class: SE

S. No	Student Name	Day-1	Day-2	Day-3	Day-4	Day-5	Day-6
1	Badadhe Damayanti Dnyandev	P	A	P	P	A	P
2	Bandal Rutuja Dattatray	P	P	A	P	P	A
3	Bhandari Anuradha Mallayya	A	P	P	P	A	P
4	Bhome Akash Rajendra	P	A	A	P	P	P
5	Bhosale Sanket Pradip	P	A	P	A	A	A
6	Bhosale Suraj Dadaso	A	A	P	P	P	P
7	Bhujbal Shravan Vijaykumar	P	P	A	P	P	P
8	Chourasiya Darshan Rajesh	P	A	A	P	A	A
9	Deshmukh Hema Tanaji	P	A	P	A	A	P
10	Deshmukh Sanika Parag	A	P	P	P	P	A
11	Deshmukh Suyash Dilip	P	A	P	A	P	P
12	Deshpande Amey Chintamani	P	A	A	P	A	A
13	Dhamal Sejal Sunil	P	P	A	P	P	P
14	Gadhawe Rohit Sudhir	A	P	P	P	A	A
15	Gaikwad Akshada Ajit	P	P	P	P	P	P
16	Gaikwad Sakshi Abasaheb	P	A	P	A	A	P
17	Ganeshkar Gayatri Anil	P	A	A	A	A	P
18	Gawade Nikita Mahendra	P	P	P	A	P	A
19	Ghodekar Suyog Bhagwan	A	P	A	P	P	A
20	Jadhav Neha Santosh	P	P	P	P	A	P
21	Jadhav Rupa Dattatray	P	A	A	P	A	P
22	Jagtap Mayur Sanjay	P	A	A	P	A	P
23	Jagtap Sayali Sunil	A	P	P	A	P	A
24	Jamadar Asim Zhakirhusen	P	P	P	A	A	P
25	Jankar Tejswini Vijay	A	A	P	P	P	A
26	Kale Renuka Nivrutti	P	P	A	A	A	P
27	Kamble Priyanka Shankar	A	P	P	P	P	A
28	Katkar Yash Pramod	P	P	A	A	A	P
29	Khopade Bhagyashree Shantaram	A	P	P	P	P	P
30	Kondhalkar Mangesh Shashikant	P	P	A	A	P	A
31	Kudale Harshada Bharat	A	P	P	P	A	A
32	Medhekar Prajakta Ulhas	P	A	A	A	A	P
33	Mokashi Shreyash Jaywant	P	P	P	P	P	A
34	Pawar Sanket Mohan	P	P	A	P	P	P
35	Pujari Mahesh Mandappa	P	P	A	A	P	P





**Rajgad Dnyanpeeth's**  
**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**  
S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune

**DEPARTMENT OF COMPUTER ENGINEERING**

**Academic Year: 2021-2022**

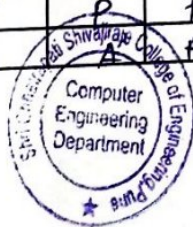
**Roll Call List**

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3	Bhandari Anuradha Mallayya	A	P	P	P	A	P
4	Bhome Akash Rajendra	P	A	A	P	P	P
5	Bhosale Sanket Pradip	P	A	P	A	A	A
6	Bhosale Suraj Dadaso	A	A	P	P	P	P
7	Bhujbal Shravan Vijaykumar	P	P	A	P	P	P
8	Chourasiya Darshan Rajesh	P	A	A	P	A	A
9	Deshmukh Hema Tanaji	P	A	P	A	A	P
10	Deshmukh Sanika Parag	A	P	P	P	P	A
11	Deshmukh Suyash Dilip	P	A	P	A	P	P
12	Deshpande Amey Chintamani	P	A	A	P	A	A
13	Dhamal Sejal Sunil	P	P	A	P	P	P
14	Gadhve Rohit Sudhir	A	P	P	P	A	A
15	Gaikwad Akshada Ajit	P	P	P	P	P	P
16	Gaikwad Sakshi Abasaheb	P	A	P	A	A	P
17	Ganeshkar Gayatri Anil	P	A	A	A	A	P
18	Gawade Nikita Mahendra	P	P	P	A	P	A
19	Ghodekar Suyog Bhagwan	A	P	A	P	P	A
20	Jadhav Neha Santosh	P	P	P	P	A	P
21	Jadhav Rupa Dattatray	P	A	A	P	A	P
22	Jagtap Mayur Sanjay	P	A	A	P	A	P
23	Jagtap Sayali Sunil	A	P	P	A	P	A
24	Jamadar Asim Zhakirhusen	P	P	P	A	A	P
25	Jankar Tejswini Vijay	A	A	P	P	P	A
26	Kale Renuka Nivrutti	P	P	A	A	A	P
27	Kamble Priyanka Shankar	A	P	P	P	P	A
28	Katkar Yash Pramod	P	P	A	A	A	P
29	Khopade Bhagyashree Shantaram	A	P	P	P	P	P
30	Kondhalkar Mangesh Shashikant	P	P	A	A	P	A
31	Kudale Harshada Bharat	A	P	P	P	A	A
32	Medhekar Prajakta Ulhas	P	A	A	A	A	P
33	Mokashi Shreyash Jaywant	P	P	P	P	P	A
34	Pawar Sanket Mohan	P	P	A	P	P	P
35	Pujari Mahesh Mandappa	P	P	A	A	P	P



36	Rajiwade Karan Anil	P	A	A	A	P	P
37	Raut Aniket Sanjay	A	P	P	P	A	P
38	Salunke Gauri Dattatray	P	P	A	P	P	P
39	Salunkhe Sakshi Sandip	P	A	P	A	A	P
40	Sanas Tejal Sunil	P	P	A	P	A	P
41	Sankpal Yogesh Ashok	P	A	P	A	P	A
42	Shahane Mandar Mangesh	P	A	P	P	P	P
43	Shaikh Nilofar Abbas	P	P	P	A	P	P
44	Shilimkar Sanjana Mahendra	P	A	A	P	A	A
45	Shinde Rashmi Ravindra	A	P	P	A	P	P
46	Shinde Yash Pradip	A	P	P	A	A	A
47	Tanpure Sneha Pradip	P	A	P	P	P	P
48	Tarade Shreyash Jagannath	P	A	P	P	A	A
49	Ubhe Akash Avinash	A	P	P	A	P	P
50	Vedpathak Vaishnavi Sharad	P	A	P	P	A	P
51	Vishwakarma Rohit Pappu	A	A	P	P	A	A
52	Vitkar Pandurang Datta	A	P	P	A	A	P
53	Wavhal Pranav Sachin	A	P	P	A	P	P
54	Talekar Prerana Vijay	P	A	P	P	P	P
55	Ubale Atharva Prashant	P	A	P	P	P	A
56	Jagtap Vaishnavi Sanjay	P	P	P	A	P	P
57	Danavale Vaishnvee Santosh	P	A	A	A	A	A
58	Malusare Shamal Mukund	A	P	P	P	P	P
59	Dharpale Nikita Ankush	P	P	P	A	P	P
60	Gavhane Sanika Dasharath	A	A	P	P	P	P
61	Dhamal Nikita Himmat	P	P	P	A	A	P
62	Pawar Akanksha Ashok	A	A	P	P	P	A
63	Dhumal Sanika Kanhaiyalal	P	A	P	A	A	A
64	Bhosale Sayali Pravin	P	P	P	P	P	A
65	Salvi Sankita Sudhakar	A	A	P	P	A	P
66	Vhanmane Revansidh Mahadev	P	P	P	A	P	P
67	Deep Shah	A	A	P	A	A	P
68	Vatte Apeksha Sanjay	P	A	P	P	P	A
69	Vanjari Vishwajeet Sampat	A	P	P	P	A	P
70	Kamble Akshay Bapu	P	P	P	A	P	P
71	Bhandare Karan Sunil	A	P	P	A	A	P
72	Chinchakar Giridhar Ramesh	A	P	A	A	P	P
73	Malekar Pratiksha Sharad	P	A	P	P	P	P
74	Bhapkar Vaishnavi Dadasaheb	P	P	A	P	P	P
75	Jarad Devyani Vishwas	A	A	P	A	A	P
76	Yadav Rutuja Deepak	P	P	P	P	P	P
77	Shreeharsh Suhas Puntambekar	A	P	P	P	P	A





Rajgad Dnyanpeeth's  
**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**  
S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune -412205 (MS), India.  
Website: [www.rajgad.edu.in](http://www.rajgad.edu.in), Email Id: [scscoe@gmail.com](mailto:scscoe@gmail.com)

**List of Value Added courses conducted in the Department**

Sr. No.	Name of value Added Course	Target Audience	No. of students Participated
<b>1.</b>	PLC & SCADA	TE	40





RajgadDnyanpeeth's  
**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF  
ENGINEERING**

S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune

**Hands on Training on  
“PLC & SCADA”**

**(27<sup>th</sup> Dec. 2021 to 31<sup>st</sup> Dec. 2021)**

**Organized By**

**Department of E & TC Engineering**

**Savitribai Phule Pune  
University Pune,  
India**



RajgadDnyanpeeth's  
**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**  
S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune

Date: 20<sup>th</sup> Dec 2021

**DEPARTMENT OF E&TC ENGINEERING**

All Students of TE E & TC are hereby informed that we are going to start Hands on Training on "PLC & SCADA" certified course program through our department those students are interested kindly contact to Prof. Pasalkar S.D. Organized by Department of E & TC Engg. of Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering, Dhangwadi, Pune, Maharashtra.

Program Schedule: 27/12/2021 to 31/12/2021 at 10.00 am to 05.00 pm.

Faculty Coordinator:  
Prof. Nipanikar R.S

Head of the Department:  
Prof. Dudane T.M.

Principal:  
Prof. Dr. Sanjay B. Patil

Website: [www.rajgad.edu.in](http://www.rajgad.edu.in)







Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engineering,  
Dhangwadi, Pune, Maharashtra



## Department of E& TC Engineering Organizes

### 5 days Hands on Training Program for TE students on

### PLC & SCADA

Trainer: Prof. Pasalkar S.D.

Date of commencement: 27/12/2021 onwards

Venue: E & TC Engineering Computer Lab

Faculty  
Contact



Prof. Nipanikar R. S.  
(Event Coordinator)  
8888815939

Registration has been started from 20/12/2021.





RajgadDnyanpeeth's

**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**

S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune -412205 (MS), India.

Website: [www.rajgad.edu.in](http://www.rajgad.edu.in), Email Id: [scscoe@gmail.com](mailto:scscoe@gmail.com)

**DEPARTMENT OF E & TC  
ENGINEERING**  
**Schedule of Course/ Program**

**Objectives**

- To provide knowledge levels needed for PLC programming and operating.
- To train the students to create ladder diagrams from process control descriptions.
- To make the students understand various types of PLC registers
- Apply PLC Timers and Counters for the control of industrial processes
- To make the students understand PLC functions, Data Handling Function
- To train the students to develop a —coil and contactl control system to operate a basic robot and analog PLC operations.

**Outcome**

- Ability to gain knowledge on Programmable Logic Controllers
- Will understand different types of Devices to which PLC input and output modules are connected
- To provide the knowledge about understand various types of PLC registers
- Able to create ladder diagrams from process control descriptions.
- Ability to apply PLC timers and counters for the control of industrial processes
- Able to use different types PLC functions, Data Handling Function.
- Able to develop a —coil and contactl control system to operate a basic robot and analog PLC operations

**Duration (30 Hr)**

**PLC Hands on Training software on:**

**ABB / Allen Bradley : Micrologix, SLC 500, CompactLogix**

**Module-1**

PLC Fundamentals - (Block diagram of PLC's) Applications and Types of Transformers, Selection of PLC components( Power supply, CPU, I/Os List , Communication bus, Various ranges available in PLC's), I/O list selection /li>, Open-Circuit and Short-Circuit Tests, Types of Inputs & outputs / Source Sink Concepts, Parallel Operation of Transformers, Wiring of the I/O devices, Architectural Evolution of PLC, Introduction to the field devices, Types of Inputs & outputs / Source Sink Concepts, Wiring of the I/O devices, Concept of flags and Scan cycle execution

**Module-2**

Concept of flags and Scan cycle execution, Setting up PLCs / Connecting CPU, I/O modules, Rack, Backplane and Communication bus, mConnecting Field devices to PLCs I/Os

**Module-3**

Programming instructions arithmetic and logical



Load /and /or/out / and Read / Write, Compare / Add / Sub /And /Or – Blocks, Edge / trailing edge instructions, MOVE block application, Timer and Counter Blocks programming, Advanced instructions, File handling and Comment functions, Master control /set /reset function

#### Module-4

Monitoring Arrays & Tags of User-Defined Data Types, Editing Ladder Logic Online, Troubleshooting Controller Problems, Monitoring GSV/SSV Instructions, Forcing I/O & Toggling Bits, Troubleshooting I/O Module Problems, CPU, I/O module replacements, Fault detection and error handling

### SCADA System Syllabus :

SCADA Practice session software on :WonderwareInTouch / Siemens Win CC / Allen Bradley RS View / GE Fanuc Simplicity / Citect SC

#### Module-1

SCADA system application( Oil GAS / factory /Metro/ Solar Power Plant /Steel Plant ), Calculation SCADA tag, Selection of Software basis of SCADA Tag, Creating Database of Tags

#### Module-2

SCADA Screen /Creating & Editing graphic display with animation, Data Entry / Start Stop command, Analog entry, Sizing, Movement, Blinking, Visibility, Filling, Trending, Creating & Accessing Real-time, Creating & Accessing Historical Trend

#### Module-3

Creating Alarms & Events, Connectivity with the different hardware, Communication protocols(modbus/ TCP/IP), Communication with PLC, Communication with Data Acquisition System, Troubleshooting the application, Fault diagnostics and error handling, Sorting communication problems

*Rahim*

Prof. Nipanikar R.S.

Coordinator

*Dudane*

Prof. Dudane T.M.

Head, Department of E & TC  
Engineering





Rajgad Dnyanpeeth's

**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**  
Gat. No. 237, Pune Banglore Highway, Dhangawadi, Tal: Bhor, Dist: Pune

**Report on Global Certification Course on PLC SCADA**

**Department: E&TC Engg.**

**Semester: I**

**Academic Year: 2021-22**

**Date: 03/01/2022**

To,  
The Principal,  
SCSCOE, Dhangawadi,  
Pune

**Through: HOD, Department of E&TC Engineering**

**Subject:** Submission of the report of Hands on Training organized on "PLC & SCADA " for TE Students of Department of E & TC Engineering.

**Respected Sir,**

With the above reference, we have successfully organized Hands on Training on "PLC & SCADA " for TE Students of Department of E & TC Engineering. The speaker was Prof.Pasalkar S.D.

**No. of Participants: 40**

**Faculty Coordinator:Prof. Nipanikar R. S.**

Sr. No.	Date	Details of the event organized
1	27/12/2021 to 31/12/2021	<b>PLC and SCADA Automation</b>

Thanking You.

*Rahim*  
Mrs. Nipanikar R. S.  
Course Coordinator





Rajgad Dnyanpeeth's

**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**  
Gat. No. 237, Pune Bangalore Highway, Dhangawadi, Tal: Bhor, Dist: Pune

Encl: Detailed report of the event

Date of session start	27/12/2021
Name of Experts and details	<b>Prof. Pasalkar S.D.</b> Email id: swanpasalkar7@gmail.com Contact no:8605592551
Topic of session	"PLC & SCADA Automation"
Beneficiaries	All T.E. students.
No. of participants	40
Venue	Computer Lab Department of E&TC Engineering, SCSCOE, Dhangawadi, Pune

#### Overview:

The Department of E &TC Engineering of SCSCOE has organized Hands on training on "PLC & SCADA", for T.E aspirant graduates. Session is intended for T.E. aspiring engineers who seek to explore the impact of E & TC - PLC SCADA Automation in future career. The PLC engineering system allows for an advanced network communication that will give you pertinent information such as electrical malfunctions, temperatures and pressures, and data interface. In addition, PLC systems operate with a multitude of 24-volt power sources, protecting your vessel from generator malfunction.

#### Objective:

The main objective of Global Certification course session is to:

- Understand the carrier opportunities in Automating of electrical Systems,
- Understand the problem facing in industries,





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Gat. No. 237, Pune Bangalore Highway, Dhangawadi, Tal: Bhor, Dist: Pune

- c. Basics regarding PLC and SCADA,
- d. Understand problem facing in various types of projects like Industrial (Any type), Township, Residential Buildings, Commercial Complexes, Educational institutes, Hotels, Shopping Malls

**Highlights of the Expert Lecture:**

1. Inauguration of Hands on Training held on 27th Dec. 2021, 10:00AM. In the inauguration function, Chief Guest Prof. Dudane T.B., HOD, Department of E & TC Engineering & Dr. S.B.Patil, Principal SCSCOE, Pune share views and experiences to T.E. students.
2. Prof. Pasalkar S.D. introduced the objectives of the Hands on Training on "PLC and SCADA", and conducted training from 27<sup>th</sup> Dec. 2021 to 31<sup>st</sup> Dec. 2021. He covers all points mentioned in

**Syllabus covered during program**

Students are divided in two batches (each of 20 students) for smooth conduction of PLC SCADA Course.

- a. The entire session was very interactive and the students understood the carrier op Opportunities in PLC and SCADA automation in electrical Systems.
  - b. Understand problems facing various types of projects like Industrial (Any type), Township, Residential Buildings, Commercial Complexes, Educational institutes, Hotels, Shopping Malls.
3. The students ended the session in 5 days with a feedback session. In that, they have expressed their interest and willingness in getting career opportunities PLC SCADA automation.
4. Valedictory Function of Global Certification program held on 31<sup>st</sup> Dec. 2021., 4 PM. In Valedictory Function, In- House Expert, Prof. Nipanikar S. I. and Prof. Dudane T.B., HOD, Department of E & TC Engineering share views and experiences to T.E. students.





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Photos During Add on Course





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Gat. No. 237, Pune Bangalore Highway, Dhangawadi, Tal: Bhor, Dist: Pune



*Rahim*

**Mrs. R. S. Nipanikar**  
Course Coordinator



*T. M. Dudane*

**Mr. T. M. Dudane**  
Head of Department





Rajgad Dnyanpeeth's  
**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**  
 S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune

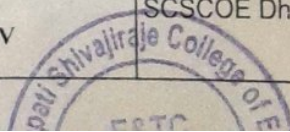
**Department of E & TC Engineering**

Date: 20/12/2021

Title of Program: Hands on Training on PLC & SCADA

**Registration form**

Sr. No.	Full Name	Institute Name	Sign
1	BABAR RUTUJA PRADIP	SCSCOE Dhangawadi	<i>Babarok</i>
2	BHARATI ROHINI LAXMAN	SCSCOE Dhangawadi	<i>RLBharti</i>
3	BHIMANAVARV BASAVARAJ ARJUN	SCSCOE Dhangawadi	<i>Basub</i>
4	DESHMUKH SAMEER SATISH	SCSCOE Dhangawadi	<i>Deshmukh</i>
5	DEVKAR POONAM DHANAJI	SCSCOE Dhangawadi	<i>Dev</i>
6	DHONDE ABHIJEET VITTHAL	SCSCOE Dhangawadi	<i>Dhonde</i>
7	DUDHANE TEJAS TANAJI	SCSCOE Dhangawadi	<i>Tejas</i>
8	GADE RUSHIKESH NARAYAN	SCSCOE Dhangawadi	<i>gmr</i>
9	GADEKAR NILAM RAMESH	SCSCOE Dhangawadi	<i>Gadekar</i>
10	GHATAKAMBLE SANDEEP SIDHALIN	SCSCOE Dhangawadi	<i>Sandip</i>
11	JADHAV ANIKET NATHU	SCSCOE Dhangawadi	<i>A.N.Jadhav</i>
12	JADHAV JYOTI SANJAY	SCSCOE Dhangawadi	<i>Jyoti</i>
13	JADHAV PRIYANKA TANAJI	SCSCOE Dhangawadi	<i>Priyanka</i>
14	KADAM DHIRAJ SUHAS	SCSCOE Dhangawadi	<i>Dharam</i>
15	KANSE PAYAL ASHOK	SCSCOE Dhangawadi	<i>Payal</i>
16	KASHID DEEPALI BABURAO	SCSCOE Dhangawadi	<i>Kashid</i>
17	KHOMANE SAGAR BHANUDAS	SCSCOE Dhangawadi	<i>Sagar</i>
18	KHOPADEV ARATI NAMDEV	SCSCOE Dhangawadi	<i>Aratikhopade</i>



19	KOKATE ANKITA BALASO	SCSCOE Dhangawadi	<u>B</u>
20	KOKATE UMESH RAMESH	SCSCOE Dhangawadi	<u>Kokate</u>
21	KONDHALKAR POOJA RAMCHANDRA	SCSCOE Dhangawadi	<u>Kondhalkar</u>
22	MALAVI VISHAL SHIVAJI	SCSCOE Dhangawadi	<u>Malavi</u>
23	MALEKAR KOMAL SANJAY	SCSCOE Dhangawadi	<u>Komal</u>
24	METIL MAHENDRA RANGRAO	SCSCOE Dhangawadi	<u>Metil</u>
25	MORE KETAN VIJAY	SCSCOE Dhangawadi	<u>More</u>
26	MORE MAHESH SUNIL	SCSCOE Dhangawadi	<u>More</u>
27	PARWADI AYUSH ASHOK	SCSCOE Dhangawadi	<u>Parwadi</u>
28	PATIL ARCHANA MAHADEO	SCSCOE Dhangawadi	<u>Patil</u>
29	PAWAR GANESH PANDURANG	SCSCOE Dhangawadi	<u>Pawar</u>
30	PAWAR RUSHIKESH DNYANESHWAR	SCSCOE Dhangawadi	<u>Pawar</u>
31	PAWAR SWARALI RAMCHANDRA	SCSCOE Dhangawadi	<u>Pawar</u>
32	RENUSE ARCHANA SITARAM	SCSCOE Dhangawadi	<u>Archana</u>
33	SALUNKE PRATIKSHA PANDURANG	SCSCOE Dhangawadi	<u>Salunke</u>
34	SHAIKH SHAHARUKH SALIM	SCSCOE Dhangawadi	<u>Shaikh</u>
35	SHENDGE BHAGYASHRI UMAJI	SCSCOE Dhangawadi	<u>Shendge</u>
36	SUTAR PRATIK ADHIKRAO	SCSCOE Dhangawadi	<u>Sutar</u>
37	SUTAR SHABDASHREE KIRAN	SCSCOE Dhangawadi	<u>Sutar</u>
38	SUTAR SHITAL KASHINATH	SCSCOE Dhangawadi	<u>Sutar</u>
39	TAWARE SHUBHAM LAXMAN	SCSCOE Dhangawadi	<u>Taware</u>
40	WALHEKAR KOMAL BALASO	SCSCOE Dhangawadi	<u>Walhekar</u>



Rohini  
Program Coordinator



Rajgad Dnyanpeeth's  
**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**  
S.No.237, Satara-Pune, NH-4, Dhangwadi, Tal: Bhor, Dist. Pune (Maharashtra)



DEPARTMENT OF E & TC ENGINEERING

## CERTIFICATE OF PARTICIPATION

This is to certify that

**Miss. Babar Rutuja Pradip**

*has successfully completed the Hands on Training on "PLC SCADA" organized by Department of E & TC Engineering, Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune from 27/12/2021 to 31/12/2021.*

*Rohini*

Prof. R. S. Nipanikar  
Coordinator

*T.M. Dudane*

Prof. T. M. Dudane  
HOD, E & TC Engg.

*S. B. Patil*

Prof. Dr. S. B. Patil  
Principal



# Attendance

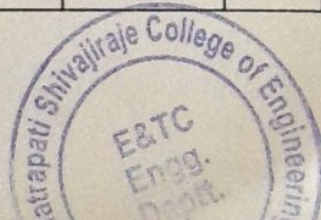
Sr. No.	Full Name	Sign	27/12	28/12	29/12	30/12	31/12
1	BABAR RUTUJA PRADIP	P	P	P	P	P	P
2	BHARATI ROHINI LAXMAN	P	P	P	P	P	P
3	BHIMANAVARV BASAVARAJ ARJUN	P	P	P	P	P	P
4	DESHMUKH SAMEER SATISH	P	P	P	P	P	P
5	DEVKAR POONAM DHANAJI	P	P	P	P	P	P
6	DHONDE ABHIJEET VITTHAL	P	P	P	P	P	P
7	DUDHANE TEJAS TANAJI	P	P	P	P	P	P
8	GADE RUSHIKESH NARAYAN	P	P	P	P	P	P
9	GADEKAR NILAM RAMESH	P	P	P	P	P	P
10	GHATAKAMBLE SANDEEP	P	P	P	P	P	P
11	JADHAV ANIKET NATHU	P	P	P	P	P	P



12	JADHAV JYOTI SANJAY	P	P	P	P	P
13	JADHAV PRIYANKA TANAJI	P	P	P	P	P
14	KADAM DHIRAJ SUHAS	P	P	P	P	P
15	KANSE PAYAL ASHOK	P	P	P	P	P
16	KASHID DEEPALI BABURAO	P	P	P	P	P
17	KHOMANE SAGAR BHANUDAS	P	P	P	P	P
18	KHOPADE ARATI NAMDEV	P	P	P	P	P
19	KOKATE ANKITA BALASO	P	P	P	P	P
20	KOKATE UMESH RAMESH	P	P	P	P	P
21	KONDHALKAR POOJA RAMCHANDRA	P	P	P	P	P
22	MALAVI VISHAL SHIVAJI	P	P	P	P	P
23	MALEKAR KOMAL SANJAY	P	P	P	P	P
24	METIL MAHENDRA RANGRAO	P	P	P	P	P



25	MORE KETAN VIJAY	P	P	P	P	P
26	MORE MAHESH SUNIL	P	P	P	P	P
27	PARWADI AYUSH ASHOK	P	P	P	P	P
28	PATIL ARCHANA MAHADEO	P	P	P	P	P
29	PAWAR GANESH PANDURANG	P	P	P	P	P
30	PAWAR RUSHIKESH DNYANESHWAR	P	P	P	P	P
31	PAWAR SWARALI	P	P	P	P	P
32	RENUSE ARCHANA SITARAM	P	P	P	P	P
33	SALUNKE PRATIKSHA PANDURANG	P	P	P	P	P
34	SHAIKH SHAHARUKH SALIM	P	P	P	P	P
35	SHENDGE BHAGYASHRI UMAJI	P	P	P	P	P
36	SUTAR PRATIK ADHIKRAO	P	P	P	P	P
37	SUTAR SHABDASHREE KIRAN	P	P	P	P	P
38	SUTAR SHITAL KASHINATH	P	P	P	P	P



39	TAWARE SHUBHAM LAXMAN	P	P	P	P	P
40	WALHEKAR KOMAL BALASO	P	P	P	P	P





Rajgad Dnyanpeeth's  
**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**  
S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune

**DEPARTMENT OF MECHANICAL ENGINEERING**

**Date: 23/12/2021**

**NOTICE**

All the students (SE, TE & BE) & staff of Mechanical department are hereby informed that we are organizing a 5-day webinar based on "Surface Design & Simulation in solidworks" from 03/01/2022 to 7/01/2022. It will have every day session at 11.30 am to 1.00 pm.

It will be very much beneficial for all in order to gain knowledge in Design & analysis. Kindly Register for Webinar. Google form link will be sent for registration on corresponding whatsapp group. The platform will be Google meet and Link will be shared on corresponding whatsapp group.

Kindly Register for Webinar.

  
Coordinator

  
HOD

Department of Mechanical Engg.







Rajgad Dnyanpeeth's  
**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**  
S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune

**DEPARTMENT OF MECHANICAL ENGINEERING**

**WEBINAR SCHEDULE**

We are organizing a 5-day webinar based on “Surface Design & Simulation in solidworks” from 03/01/2022 to 7/01/2022. It will have every day session at 11.30 am to 1.00 pm.

It will be very much beneficial for all in order to gain knowledge in Design & analysis. Kindly Register for Webinar. Google form link will be sent for registration on corresponding whatsapp group. The platform will be Google meet and Link will be shared on corresponding whatsapp group. Schedule as below.

Date	Time	Topic	Software
3/1/2022	11.30 am to 1.00 pm	Surface Design Introduction ( Solid works)	Solid Works 2020
4/1/2022	11.30 am to 1.00 pm	Surface Design of An Automobile parts	Solid Works 2020
5/1/2022	11.30 am to 1.00 pm	Surface Design of An Automobile parts	Solid Works 2020
6/1/2022	11.30 am to 1.00 pm	Simulation (Analysis ) of Automobile Parts	Solid Works 2020
7/1/2022	11.30 am to 1.00 pm	Simulation (Analysis ) of Automobile Parts	Solid Works 2020

  
Coordinator

  
HOD

Department of Mechanical Engg.



# WEBINAR ON SURFACE DESIGN AND SIMULATION

ORGANISED BY: RAJGAD DNYANPEETH TECHNICAL CAMPUS, SCSCOE, DEPT. OF MECHANICAL ENGINEERING  
RESOURCE PERSONS FROM PELF INFOTECH PVT.LTD



## Registration Report

## GoToWebinar

Generated

02/01/2022 04:46 PM IST

### General Information

**Webinar Name**

Webinar on Surface Design and Simulation

**Webinar ID**

150-208-171

**Scheduled Start Date**

3/1/2022

**Registered**

60

**Scheduled Start Time**

11:30:00 AM IST

**Opened Invitation**

3

**Scheduled Duration (minutes)**

90

**Clicked Registration Link**

90

### Registrants

First Name	Last Name	Email
Akshay	Alhat	alhatakshay777@gmail.com
Ajay	Awade	ajayawade396@gmail.com
Amar	Babulsare	amarbabalsure12@gmail.com
Adesh	Bandal	adeshbandal17@gmail.com
Harshad	Bandal	harshadbandal9765@gmail.com
Aditya	Bathe	adityabathe123@gmail.com
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Prathamesh	Gujar	prathameshgujarpg412@gmail.com



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Swetal	Jagtap	shwetaljagtap12@gmail.com
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Sahil	Kamble	sahilkamble580@gmail.com
Nikunj	Kanteliya	kanteliyanikunj422@gmail.com
Vipul	Karale	vipulkarale1998@gmail.com
Dnyaneshwar	Katkar	dnyaneshkatkar1997@gmail.com
Shaharukh	Khan	shahrukh29175@gmail.com
Tejas	Kondhalkar	tejaskondhalkar23@gmail.com
Ganesh	Kope	ganeshkope26@gmail.com
Tushar	Logade	tushlogade22@gmail.com
Anil	Madkar	anilmadkar0509@gmail.com
Kunal	Mahangare	kunal.mahangare24@gmail.com
Suraj	Mali	surajmali1137@gmail.com
Komal	Malusare	malusarekomal902@gmail.com
Rushikesh	Malwadkar	rshikesh26@gmail.com
Shubham	Mane	smane251198@gmail.com
Anwar	Maner	anwarmaner111@gmail.com
Rohan	Matkar	rmatkar29@gmail.com
Aniket	Memane	aniket.memane123@gmail.com
Rutik	More	rutikmore40@gmail.com
Pramod	Nikam	pramodnikam777@gmail.com
Prerna	Pal	prernapal223@gmail.com
Akash	Pangare	pangareakash98@gmail.com
Rushikesh	Pansare	rishi.pansare3242@gmail.com
Nandkumar	Parit	nandkumarp20292@gmail.com
Pathan Inayatulla Rahimattulla	Pathan	inayatpathan93@gmail.com
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Nanaso	Pukale	nanasopukale1996@gmail.com
Deepak	More	Deepakmore@gmail.com
Sumitkumar	Rathor	Sumitrathor009@gmail.com
Vijay	Raut	vijayraut2707@gmail.com
Rupchand	Sabale	1rsabale@gmail.com

  
Lahu P. Maskepatil  
Project Coordinator

  
Prof. S.K. Pawar  
HOD , Dept of Mechanical Engg.



**DEPARTMENT OF MECHANICAL ENGINEERING****Report on "Surface Design & Simulation"****Date: 7/01/2022**

1. **Program type:** FDP & SDP
2. **Event Name:** Surface Design & Simulation
3. **Attendees:** All SE, TE, BE & staff.
4. **Name and Designation of Resource Person :**
  - i. Mr. Saurabh Muley, Sr. Application Engineer, Pelf Technologies
  - ii. Mr. Ajit Sawdekar , Sr. Application Engineer, Pelf Technologies
  - iii. Mr. Nishal Kadil , Sr. Application Engineer, Pelf Technologies
5. **Company / Institute of Resource Person:** Pelf Technologies, kothrud, Pune.
6. **Event coordinator:**
  - i. Prof. L.P.Maskepatil
  - ii. Prof. D.A.More
7. **Date of Execution:** 03/01/2022 to 7/01/2022
8. **Time:** Day 1- 11.30 am to 1.00 pm  
Day 2- 11.30 am to 1.00 pm  
Day 3- 11.30 am to 1.00 pm  
Day 4- 11.30 am to 1.00 pm  
Day 5 - 11.30 am to 1.00 pm
9. **Duration of Event:** 05 days
10. **Venue of event / Link:** <https://forms.gle/KDCafvQJLBL04qyf8>  
Google Meet  
Day 1:- <https://meet.google.com/sqi-qpu-a-jxn>  
Day 2:- <https://meet.google.com/tjc-osuw-qvy>  
Day 3:- <https://meet.google.com/itj-nomx-jqe>  
Day 4:- <https://meet.google.com/eyu-qcrf-cwm>  
Day 5: <https://meet.google.com/nod-yyhw-oma>





Rajgad Dnyanpeeth's  
**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**  
Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal – Bhor, Dist- Pune (MH)

**11. Number of Participants:** 60

**12. Fee details:** Free

**13. Objectives:** The main objective of the program was to guide faculties and students about how to design & analysis of surface in software.

**14. Outcomes:** Students and staff got aware about different CAD & CAE software's and their industrial applications.

**15. Description (program conduction details) / speaker topic explanation:**

Mechanical Department of Rajgad Dnyanpeeth's Shri Chhatrapati College of Engineering Dhangwadi, Pune in association with CADD Centre, Pune has conducted one week FDP & SDP on "Surface Design & Simulation" from 03/01/2022 to 07/01/2022 for faculties and students of Mechanical Engineering to give information about **Surface design and analysis in automobile components.**

Surface designs of automobile parts were explained in solidworks software by Sr. Application Engineer Saurabh Muley and Ajit Sawdekar. Simulations of various components were explained with adequate examples in solidworks software.

Surface design & Analysis techniques are explained in the automotive, aerospace, missile, power, electronic, biomedical, textile, petroleum, petrochemical, chemical, steel, cement, machine tools and construction industries including road surfacing. Surface engineering techniques can be used to develop a wide range of functional properties, including physical, chemical, electrical, electronic, magnetic, mechanical, wear-resistant and corrosion-resistant properties at the required substrate surfaces. Almost all types of materials, including metals, ceramics, polymers, and composites can be coated on similar or dissimilar materials.

**16. Conclusion:**

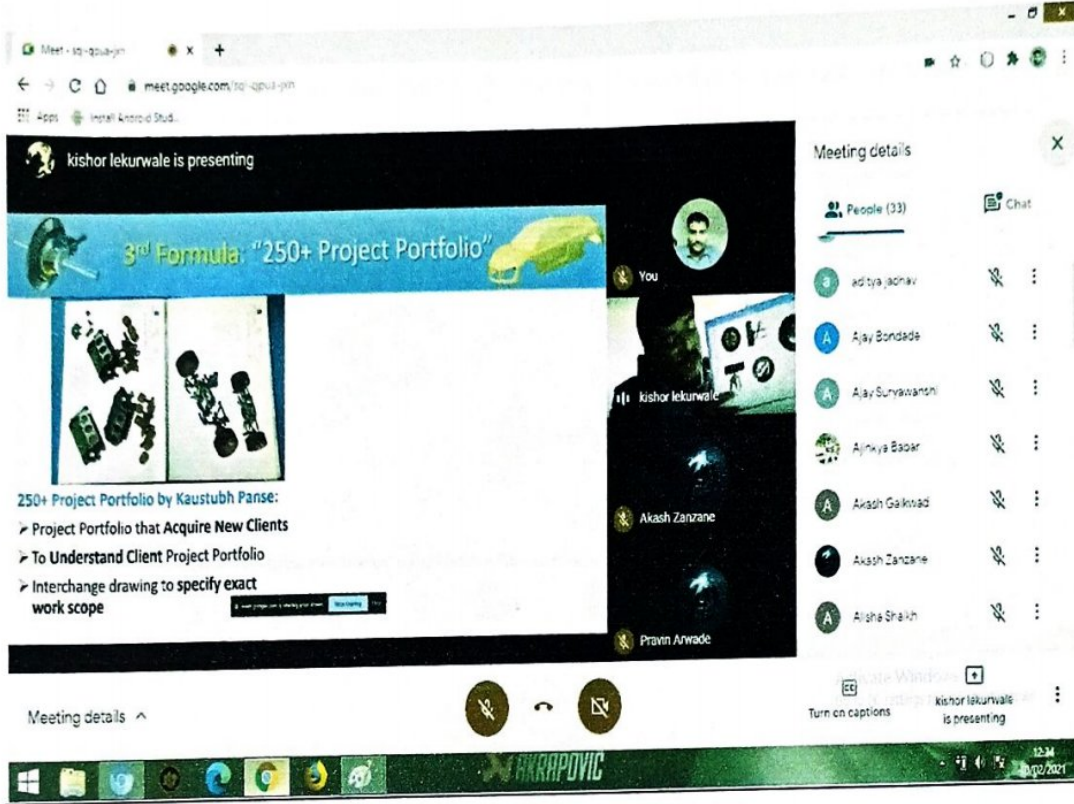
The FDP and SDP explained Surface Design and analysis in Solidworks software in various industries with adequate examples of design problems.

**Photos with caption**

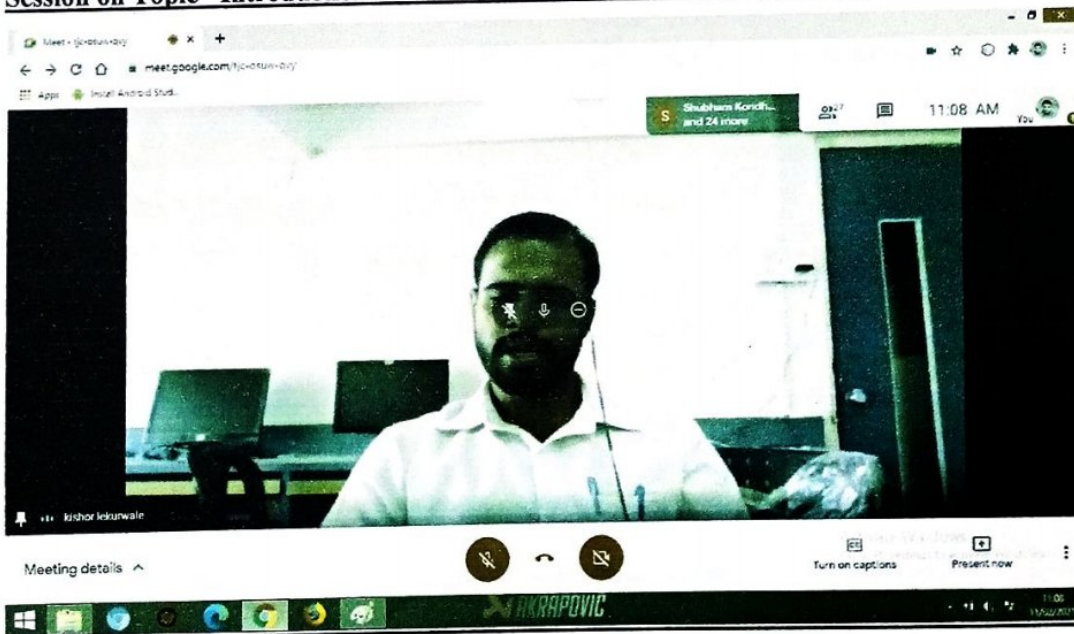




Rajgad Dnyanpeeth's  
**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**  
Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal – Bhor, Dist- Pune (MH)



**Session on Topic "Introduction to surface Design of Mechanical Industry"**



**Sessions on Topic "Details of Surface Design"**






Rajgad Dnyanpeeth's  
**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**  
Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal – Bhor, Dist- Pune (MH)



Session on Topic “Design & analysis of automobile parts”

  
**Prof. Eshu P. Maskepatil**  
Co-ordinator

  
**Prof. S. K. Pawar**  
HOD

**Prof. Dr. S. B. Patil**  
Principal






Rajgad Dnyanpeeth's  
**Shri Chhatrapati Shivajiraje College of Engineering**

(Approved by AICTE, Recognized by Government of Maharashtra &  
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Dhangawadi, Tal: Bhor, Dist: Pune, Maharashtra, India  
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## CERTIFICATE OF PARTICIPATION

This is to certify that, **Mr. Vijay Raut** of **Rajgad Dnyanpeeth Technical Campus** has successfully completed **"Surface Design & Simulation"** Organized by RD's Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune-412206 conducted online during the period of 03/01/2022 to 07/01/2022.

  
**Prof. S. K. Pawar**  
HOD, Mech

Cr No. -SWQVUO-CE000278



  
**Dr. S. B. Patil**  
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## CERTIFICATE OF PARTICIPATION

This is to certify that, **Mr. Akash Pangare** of **Rajgad Dnyanpeeth Technical Campus** has successfully completed "Surface Design & Simulation" Organized by RD's Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune-412206 conducted online during the period of 03/01/2022 to 07/01/2022.

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