



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-*

#### 1.2.2 Number of Add on/Certificate Programs offered during the academic year 2022-2023

Year	Number of Programs Offered
2022-2023	5

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	2022-23	20
		2.STTD Pro Software Training Program		10
632412	Computer Engineering	New Technology in Computer Engineering	2022-23	79
632413	E&TC Engineering	Embedded System Design	2022-23	36
632414	Mechanical Engineering	CNC Operations & Programming, TOT	2022-23	35

link for document- <https://www.rajgad.edu.in/AQAR22-23/Cr1/1.2.2.pdf>



**Principal**  
Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engg.  
Dhangawadi, Pune-412206



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**

**“Auto Cad Software Training  
Program”**

**(03<sup>rd</sup> Oct 2022 to 07<sup>th</sup> Oct 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

Date: 28/09/2022

Ref.: RD/SCSCOE/DA/2022-2023/

**INVITATION LETTER**

To,

**Mr. Abhijeet Lalasaheb Gaikwad.**

ECADD Institute.

Bhor, Pune, Maharashtra

**Subject:** Invitation for conducting an Add on Course on "Auto Cad Software Training Program" on 3/10/2022 to 7/10/2022

Dear Sir,

Our department of Civil Engineering is going to organise an Add on Course on "Auto Cad Software Training Program" on 3/10/2022 to 7/10/2022 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 guest speaker for above said Add on course.

Kindly, accept the invitation and acknowledge the same.

Thanking You.

Yours truly,

*Received*

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

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

Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engg.,  
Dhangawadi, Pune-412 205





**Rajgad Dnyanpeeth's**  
**Shri Chhatrapati Shivaji Raja College of Engineering**  
Dhhanjwadi, Pune, Maharashtra



*Presents Add on Course on*

# Auto Cad Software Training Program



**Speaker:**

**Mr. Abhijeet L. Gailkward**  
Cad Trainer

**ECADD Institute Bhur**

**Faculty Coordinators:**

**Prof. Shital P. Salunkhe**  
(9860171442)

**Prof. Sushma S. Jadhav**  
(7249600103)

**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-oeuk-svw>

**Date:** 03<sup>rd</sup> Oct to 07<sup>th</sup> Oct 2022, **Time:** 10 pm to 5 pm

Certificate will be available after successful participation

**Organized by:** Department of Civil Engineering

**Head of Department:** **Prnc pa**

Prof. S.P. Salunkhe

Prof. Dr. Sanjay B. Patil




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

Date- 26/09/2022


**DEPARTMENT OF CIVIL ENGINEERING**

**Notice**

All SE & TE Students of Civil Engineering are hereby informed that we are going to start Add on course on "Auto Cad Software" certified course program on 03/07/2022 to 07/07/2023 at 10.00 am to 05.00 pm. Those students are interested kindly contact to Prof. S.P. Salunkhe (9860171442) & Prof. S.S. Jadhav (7249600103)

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

**Program Coordinator**

  
Prof. S.P Salunkhe

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






**DEPARTMENT OF CIVIL ENGINEERING**  
**Schedule of Course/ Program**

<b>Auto-Cad</b>		
<b>Trainer Name: Mr. Abhijeet Gaikwad (BE. CIVIL)</b>		
<b>Date</b>	<b>Contents</b>	<b>TIME</b>
03/10/2022	<b>Introduction To Auto Cad</b>	10 AM to 5 PM
	<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>	
04/10/2022	<b>Units</b>	10 AM to 5 PM
	<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 Dimensions Style</li><li>• Circle (Centre Rad/Dia, 2 point, 3 point, ttr, ttt)</li><li>• Rectangle (Chamfer, Fillet, Width)</li><li>• Polygon (Inscribed, Circumscribed)</li><li>• Ellipse (Centre axis and elliptical arc)</li></ul>	
05/10/2022	<b>Units</b>	10 AM to 5 PM
	<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>	
06/10/2022	<b>Units</b>	10 AM to 5 PM
	<ul style="list-style-type: none"><li>• Layers</li><li>• Layers ON/OFF, Freeze, Lock</li><li>• Layer Isolate/Un Isolate</li></ul>	



	<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>	
07/10/2022	<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. P. Salunkhe  
 Head, Department of Civil Engineering  
 Dept. of Civil Engineering  
 Shri Chh. Shivajiraje College of Engg.  
 Dhangawadi, Pune-412206





Rajgad Dnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

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

## AUTO CAD SOFTWARE TRAINING PROGRAM REPORT

DEPARTMENT: Civil

CLASS: SE & TE students

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

FROM: ECADD Institute Bhor.

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

DAY & DATE: 03/10/2022 to 07/10/2022 DURATION OF SESSION: 30hrs

ATTENDIES: 20

CO-ORDINATOR: Prof. S. P. Saiunkhe, 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 03/10/2022 to 07/10/2022 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 Dnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

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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**



**Participants during the course**

  
Prof. S. S. Jadhav

**Coordinator**

  
Prof. S. P. Salunkhe

**Coordinator**

  
Prof. S. P. Salunkhe

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

  
Prof. Dr. S. B. Patil

**Principal**  
Principal  
Rajgad Dnyanpeeth's  
Chhatrapati Shivajiraje College of Engg.,  
Dhangawadi, Pune-412 205





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

Department of Civil Engineering

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

Registrarion Sheet

Sr. No.	Full Name	Institute Name	Mobile No.	Email ID	Branch	Class
1	BIHAREKAR MANAVI MANOHAR	SCSCOE Dhangawadi	7038619661	<a href="mailto:manvi12@gmail.com">manvi12@gmail.com</a>	Civil	TE
2	DEVRASE GANESH SANTOSH	SCSCOE Dhangawadi	9822860640	<a href="mailto:ganeshdevrase98@gmail.com">ganeshdevrase98@gmail.com</a>	Civil	TE
3	PISAL SANIKA ARUN	SCSCOE Dhangawadi	7410766309	<a href="mailto:pisalsanika485@gmail.com">pisalsanika485@gmail.com</a>	Civil	TE
4	POWAR PRATIBHA SAGAR	SCSCOE Dhangawadi	8805529167	<a href="mailto:pratibha15@gmail.com">pratibha15@gmail.com</a>	Civil	TE
5	RAJIWADE KETAN NARAYAN	SCSCOE Dhangawadi	9767322157	<a href="mailto:rajiwadeketan1202@gmail.com">rajiwadeketan1202@gmail.com</a>	Civil	TE
6	RANJANE SANDHYA SANJAY	SCSCOE Dhangawadi	8605578710	<a href="mailto:sandhya12@gmail.com">sandhya12@gmail.com</a>	Civil	TE
7	REJJEKAR ADITYA ARJUN	SCSCOE Dhangawadi	9307525220	<a href="mailto:aditya98@gmail.com">aditya98@gmail.com</a>	Civil	TE
8	SABLE VIJAYA ROHIDAS	SCSCOE Dhangawadi	8605849262	<a href="mailto:sablevijaya123@gmail.com">sablevijaya123@gmail.com</a>	Civil	TE
9	SAINATH KENDRE	SCSCOE Dhangawadi	8767971347	<a href="mailto:kendre18@gmail.com">kendre18@gmail.com</a>	Civil	TE
10	THORAVE SONALI MAHADEV	SCSCOE Dhangawadi	7517717269	<a href="mailto:sonalithorave5073@gmail.com">sonalithorave5073@gmail.com</a>	Civil	TE
11	ANSARI HASNAIN HAIDAR	SCSCOE Dhangawadi	7720884185	<a href="mailto:ansari45@gmail.com">ansari45@gmail.com</a>	Civil	SE
2	BHARGUDE TANMAY RANDIRANG	SCSCOE Dhangawadi	9021193308	<a href="mailto:tanmay47@gmail.com">tanmay47@gmail.com</a>	Civil	SE



Sr. No.	Full Name	Institute Name	Mobile No.	Email ID	Branch	Class
13	BHILARE BHUSHAN PANDURANG	SCSCOE Dhangawadi	9373200597	bhilarebhushan892@gmail.com	Civil	SE
14	CHAVAN SIMRAN UMESH	SCSCOE Dhangawadi	9284611433	chavansimran7892@gmail.com	Civil	SE
15	DHUMAL SHRUTIKA BABAN	SCSCOE Dhangawadi	7888238383	dhumal55@gmail.com	Civil	SE
16	GOLE MAYURI SANTOSH	SCSCOE Dhangawadi	9822571542	golemayuri12@gmail.com	Civil	SE
17	JADHAV SANIKA KISHOR	SCSCOE Dhangawadi	8805257486	sanika53p@gmail.com	Civil	SE
18	KONDHALKAR SAKSHI SHIVAJI	SCSCOE Dhangawadi	9075853498	sakshi12@gmail.com	Civil	SE
19	KUMBHAR RIDDHI RAJENDRA	SCSCOE Dhangawadi	9421760925	riddhi55@gmail.com	Civil	SE
20	SURYA VANSHI AANSH SANJAY	SCSCOE Dhangawadi	9421760926	aansh789@gmail.com	Civil	SE

  
Program Coordinator





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

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

Attendance Sheet

Sr. No.	Full Name	Date				
		10/03/2022	10/04/2022	10/05/2022	10/06/2022	10/07/2022
1	BHAREKAR MANAVI MANOHAR	<i>Manavi</i>	<i>Manavi</i>	<i>Manavi</i>	<i>Manavi</i>	<i>Manavi</i>
2	DEVBASE GANESH SANTOSH	<i>Dev</i>	<i>Dev</i>	<i>Dev</i>	<i>Dev</i>	<i>Dev</i>
3	PISAL SANIKA ARUN	<i>Sanika</i>	<i>Sanika</i>	<i>Sanika</i>	<i>Sanika</i>	<i>Sanika</i>
4	POWAR PRATIBHA SAGAR	<i>Prati</i>	<i>Prati</i>	<i>Prati</i>	<i>Prati</i>	<i>Prati</i>
5	RAJIWADE KETAN NARAYAN	<i>Ketan</i>	<i>Ketan</i>	<i>Ketan</i>	<i>Ketan</i>	<i>Ketan</i>
6	RANIANE SANDHYA SANJAY	<i>Sandya</i>	<i>Sandya</i>	<i>Sandya</i>	<i>Sandya</i>	<i>Sandya</i>
7	RELEKAR ADITYA ARUN	<i>Aditya</i>	<i>Aditya</i>	<i>Aditya</i>	<i>Aditya</i>	<i>Aditya</i>
8	SABLE VIJAYA ROHIDAS	<i>Vijaya</i>	<i>Vijaya</i>	<i>Vijaya</i>	<i>Vijaya</i>	<i>Vijaya</i>
9	SAINATH KENDRE	<i>Kendra</i>	<i>Kendra</i>	<i>Kendra</i>	<i>Kendra</i>	<i>Kendra</i>
10	THORAVI SONALI MAHADEV	<i>Sonali</i>	<i>Sonali</i>	<i>Sonali</i>	<i>Sonali</i>	<i>Sonali</i>
11	ANSARI HASNAIN HAIDAR	<i>Hasnain</i>	<i>Hasnain</i>	<i>Hasnain</i>	<i>Hasnain</i>	<i>Hasnain</i>
12	BHARGUDE TANMAY PANDURANG	<i>Tanmay</i>	<i>Tanmay</i>	<i>Tanmay</i>	<i>Tanmay</i>	<i>Tanmay</i>



Sr. No.	Full Name	Date				
		10/03/2022	10/04/2022	10/05/2022	10/06/2022	10/07/2022
13	BHILARE BHUSHAN PANDURANG					
14	CHAVAN SIMRAN UMESH					
15	DHUMAL SHRUTIKA BABAN					
16	GOLE MAYURI SANTOSH					
17	JADHAV SANIKA KISHOR					
18	KONDHALKAR SAKSHI SHIVAJI					
19	KUMBHAR RIDDHI RAJENDRA					
20	SURYAVANSHI AANSH SANJAY					

Program Coordinator





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

**Sangram Thopte**  
MLA, Executive President

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

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

Ref.: RD/SCSCOE/DA/2022-2023/

Date: 07/10/2022

## APPRECIATION LETTER

To,

**Mr. Abhijeet Lalasaheb Gaikwad**

ECADD Institute,

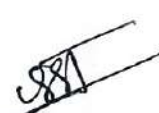
Bhor, Pune, Maharashtra 412206

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 topic "**Auto CAD Software Training Program**" on **03/10/2022** to **07/10/2022**. It was really informative and useful. Definitely all the participants have benefited from your talk.


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 continuous support in future also.

Your's truly,

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

*Received*

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

Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engg.,  
Dhangwadi, Pune-412205





**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. Ansh Sanjay Suryawanshi**

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, Dhangwadi, Pune from 03/10/2022 to 07/10/2022.

*[Signature]*  
Prof. S. S. Jadhav  
Coordinator

*[Signature]*  
Prof. S. P. Salunkhe  
Coordinator

*[Signature]*  
Prof. S. P. Salunkhe  
HOD, Civil Engg.

*[Signature]*  
Prof. Dr. S. B. Patil  
Principal





**Rajgad Dnyanpeeth's**

**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**

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




DEPARTMENT OF CIVIL ENGINEERING  
**CERTIFICATE OF APPRECIATION**

This is to certify that

**Ms. Manavi Manohar Bharekar**

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, Dhargawadi, Pune from 03/10/2022 to 07/10/2022.

  
Prof. S. S. Jadhav  
Coordinator

  
Prof. S. P. Salunkhe  
Coordinator

  
Prof. S. P. Salunkhe  
HOD, CIVIL Engg.

  
Prof. Dr. S. B. Patil  
Principal







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

**DEPT. OF CIVIL ENGINEERING**

**Feedback Form**

**Program on "Add on Course Auto Cad Software Training Program."**

Sr No.		Excellent	V. Good	Good	Average	Poor
1	Depth of Knowledge		✓			
2	Delivered Quality	✓				
3	Software and Simulation		✓			
4	Level of understanding	✓				
5	Satisfied with Add on Course		✓			

Suggestions:

Name and Staff Signature: (optional)

Ms. Thorave. S.M.





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

DEPT. OF CIVIL ENGINEERING

Feedback Form

Program on "Add on Course Auto Cad Software Training Program."

Sr No.		Excellent	V. Good	Good	Average	Poor
1	Depth of Knowledge	✓✓				
2	Delivered Quality	✓				
3	Software and Simulation		✓			
4	Level of understanding		✓			
5	Satisfied with Add on Course		✓			

Suggestions: *no*

Name and Staff Signature: (optional)





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

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

**Add on course on**  
**“STAAD Pro Software Training  
Program”**

**(4<sup>th</sup> Mar 2023 to 26<sup>th</sup> Mar 2023)**

**Organized By**

**Department of Civil Engineering**

**Savitribai Phule Pune  
University Pune, India**



**Raigad Dnyanpeeth's**  
**Shri Chhatrapati Shivaji Maharaj College of Engineering**  
Dhanyawadi, Pune, Maharashtra



*Presents Add On Course*

# STAAD Pro Software Trainings Program



**Speaker:**

**Mr. Prajwal Gaikwad**  
VA Institute  
Bhor.

**Faculty Coordinators:**

Prof. Shital P. Salunkhe  
(9850171442)  
Prof. Sushma S. Jadhav  
(7249600103)

**Course Content:**

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

**Date:** 4<sup>th</sup> Mar to 26<sup>th</sup> Mar 2023,      **Time:** 10 pm to 5 pm

Certificate will be available after successful participation

**Organized by:** Department of Civil Engineering

**Head of Department:**  
Prof. S. P. Salunkhe

**Principal:**  
Prof. Dr. Sanjay B. Patil



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. PUPN/Engg./576/2009), DTE CODE : EN3624,

Since-1972

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

**Sangram Thopte**  
MIA, Executive President

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

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

Date: - 17/02/2023

To,  
Mr. Prajwal Gaikwad,  
VA Computer Institute.,  
Bhor, Pune.

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

Respected sir,

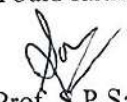
Our department of Civil Engineering is going to organize an **Add on Course on "STAAD Pro Software Training Program"** on **04<sup>th</sup> Mar 2023 to 26<sup>th</sup> Mar 2023** Saturday & Sunday at 10:00 Am to 5:00 Pm. for students of in the Institute. Considering your expertise and experience in the 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



*Received.*

Yours faithfully

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



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

Date- 22/02/2023

**DEPARTMENT OF CIVIL ENGINEERING**

**Notice**

All BE Students of Civil Engineering are hereby informed that we are going to start Add on course on "STADD PRO" certified course program on 04/03/2023 to 26/03/2023 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. S.P. Salunkhe & Prof. S. S. Jadhav

**Program Coordinator**

  
 Prof. S.P. Salunkhe

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





**DEPARTMENT OF CIVIL ENGINEERING**  
**Schedule of Course/ Program**

<b>STAAD Pro.</b>		
<b>Trainer Name: Mr. Prajwal Gaikwad (ME. CIVIL)</b>		
<b>Date</b>	<b>Contents</b>	<b>TIME</b>
04/03/2023	Overview of Structural Analysis and Design	10 AM to 5 PM
	<ul style="list-style-type: none"> <li>• Introduction STAAD.ProV8i</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>	
11/03/2023	Co-ordinate Systems	10 AM to 5 PM
	<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>	
18/03/2023	Geometry creation Methods	10 AM to 5 PM
	<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>	
25/03/2023	Model Editing Tools	10 AM to 5 PM
	<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>	



26/03/2023	Water Tank Design	10 AM to 5 PM
	<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>	


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

Coordinator

  
 Prof. S. P. Salunkhe

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







Rajgad Dnyanpeeth's

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

## STAAD PRO SOFTWARE TRAINING PROGRAM REPORT

DEPARTMENT: Civil

CLASS: BE students

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

FROM: VA- Computer Institute Bhore Pune.

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

DAY & DATE: 04/03/2023 to 26/03/2023 DURATION OF SESSION: 30 hrs

ATTENDEES: 10

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 04/03/2023 to 26 /03/2023 for 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 with building type structures. As a result, this analysis and design tool accelerates data preparation, output interpretation, and overall execution.





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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**



**Participants during the course**

  
Prof. S. S. Jadhav

**Coordinator**

  
Prof. S. P. Saiunkhe

**Coordinator**

  
Prof. S. P. Saiunkhe

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

  
Prof. Dr. S. B. Patil

**Principal**  
Principal  
Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engg.,  
Dhangawadi, Pune-412 205





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

**Department of Civil Engineering**

Title of Program: "STAAD Pro Software Training Program"

**Registration Sheet**

Sr. No.	Full Name	Institute Name	Mobile No.	Email ID	Branch	Class
1	Kshirsagar Saurabh Sunil	SCSCOE Dhangaewadi	7038619661	<a href="mailto:kshirsagarsaurabh884@gmail.com">kshirsagarsaurabh884@gmail.com</a>	Civil	BE
2	Jain Ketan Narendrakumar	SCSCOE Dhangaewadi	9822860640	<a href="mailto:janketan851@gmail.com">janketan851@gmail.com</a>	Civil	BE
3	Mahangare Praik Sudam	SCSCOE Dhangaewadi	7410766309	<a href="mailto:praikmahangare02@gmail.com">praikmahangare02@gmail.com</a>	Civil	BE
4	Pisal Snehal Chandrashekhhar	SCSCOE Dhangaewadi	8805529167	<a href="mailto:snehalsisals959@gmail.com">snehalsisals959@gmail.com</a>	Civil	BE
5	Shilimkar Monika Uday	SCSCOE Dhangaewadi	9767322157	<a href="mailto:shilimkar2001@gmail.com">shilimkar2001@gmail.com</a>	Civil	BE
6	Pharande Atish Ashok	SCSCOE Dhangaewadi	8605578710	<a href="mailto:atishpharande@gmail.com">atishpharande@gmail.com</a>	Civil	BE
7	Kale Rutuja Dnyaneshwer	SCSCOE Dhangaewadi	9307525220	<a href="mailto:rutudk12@gmail.com">rutudk12@gmail.com</a>	Civil	BE
8	Lokhande Vaibhav Dilip	SCSCOE Dhangaewadi	8605849262	<a href="mailto:vaibhaviokhande529@gmail.com">vaibhaviokhande529@gmail.com</a>	Civil	BE
9	Shinde Aditya Nandkumar	SCSCOE Dhangaewadi	8767971347	<a href="mailto:adityas9075015773@gmail.com">adityas9075015773@gmail.com</a>	Civil	BE
10	Anbhore Tushar Ashish	SCSCOE Dhangaewadi	7517717269	<a href="mailto:tusharanbhore10028052@gmail.com">tusharanbhore10028052@gmail.com</a>	Civil	BE



Program Coordinator



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

Department of Civil Engineering

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

Attendance Sheet

Sr. No.	Full Name	Date				
		03/04/2023	03/11/2023	18/3/2023	25/3/2023	26/3/2023
1	Kshirsagar Saurabh Sunil	<u>K. Sagar</u>	<u>R. Sagar</u>	<u>K. Sagar</u>	<u>K. Sagar</u>	<u>K. Sagar</u>
2	Jain Ketan Narendrakumar	<u>Ketan</u>	<u>Ketan</u>	<u>Ketan</u>	<u>Ketan</u>	<u>Ketan</u>
3	Mahangare Pratik Sudam	<u>Sudam</u>	<u>Sudam</u>	<u>Sudam</u>	<u>Sudam</u>	<u>Sudam</u>
4	Pisal Snehal Chandrashekhar	<u>Snehal</u>	<u>Snehal</u>	<u>Snehal</u>	<u>Snehal</u>	<u>Snehal</u>
5	Shilimkar Monika Uday	<u>Monika</u>	<u>Monika</u>	<u>Monika</u>	<u>Monika</u>	<u>Monika</u>
6	Pharande Atish Ashok	<u>Ashok</u>	<u>Ashok</u>	<u>Ashok</u>	<u>Ashok</u>	<u>Ashok</u>
7	Kale Rutuja Dnyaneshwer	<u>Rutuja</u>	<u>Rutuja</u>	<u>Rutuja</u>	<u>Rutuja</u>	<u>Rutuja</u>
8	Lokhande Vaibhav Dilip	<u>Vaibhav</u>	<u>Vaibhav</u>	<u>Vaibhav</u>	<u>Vaibhav</u>	<u>Vaibhav</u>
9	Shinde Aditya Nandkumar	<u>Aditya</u>	<u>Aditya</u>	<u>Aditya</u>	<u>Aditya</u>	<u>Aditya</u>
10	Anbhore Tushar Ashish	<u>Anbhore</u>	<u>Anbhore</u>	<u>Anbhore</u>	<u>Anbhore</u>	<u>Anbhore</u>

  
Program Coordinator





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: EN6324.



Since - 1972

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

**Sangram Thopte**  
MLA, Executive President

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

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

Date: - 27/03/2023

To,

Mr. Prajwal Gaikwad,

VA 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 4<sup>th</sup> Mar 2023.To 26<sup>th</sup> Mar 2023 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



*Received*

Yours faithfully

**Pr. S. B. Patil**  
Dept. of Civil Engineering  
Shri Chh. Shivajiraje College of Engg  
Dhangawadi, Pune-412206



**Raigad 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. Kale Rutuja Dnyaneshwer**

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 04/03/2023 to 25/03/2023.

  
Prof. S. S. Jadhav  
Coordinator

  
Prof. S. P. Salunkhe  
Coordinator

  
Prof. S. P. Salunkhe  
HOD, Civil Engg.

  
Prof. Dr. S. B. Patil  
Principal





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

DEPT. OF CIVIL ENGINEERING

Feedback Form

Program on "STAAD Pro Software Training Program."

Sr No.		Excellent	V. Good	Good	Average	Poor
1	Depth of Knowledge	✓				
2	Delivered Quality	✓				
3	Software and Simulation		✓			
4	Level of understanding		✓			
5	Satisfied with Add on Course		✓			

Suggestions: *Nothing.*

Name and Staff Signature: (optional)





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

**DEPT. OF CIVIL ENGINEERING**

**Feedback Form**

**Program on "STAAD Pro Software Training Program."**

Sr No.		Excellent	V. Good	Good	Average	Poor
1	Depth of Knowledge	✓				
2	Delivered Quality		✓			
3	Software and Simulation	✓				
4	Level of understanding		✓			
5	Satisfied with Add on Course	✓				

Suggestions:

Name and Staff Signature: (optional)

Ms. Thorave. S.M.







Rajgad Dnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF  
ENGINEERING

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

Workshop on

**“New Technology in Computer  
Engineering”**

(22 to 28 of Feb 2023)

Organized By

**Department of Computer Engineering**

Savitribai Phule Pune  
University Pune, India



**Department of Computer Engineering**


Date- 17/02/2023


**NOTICE**

All B.E students are hereby informed that Computer Department has organized a workshop on "New Technology in Computer Engineering" for 6 days which are from 22<sup>nd</sup> to 28<sup>th</sup> of February 2023 at 11:00 am to 4:00 pm.

Note:

1. Workshop will be online
2. Attendance is mandatory to all
3. Workshop will start and end as per schedule time.

  
Prof. P. M. Marne  
(Coordinator)

  
Prof. B. D. Thorat  
(H. O. D)

**Head of Department**  
Dept. Computer Engineering  
Shri Chh. Shivajiraje College of Engg  
Dhangawadi, Pune-412206





**INVITATION LETTER**

Date- 17/02/2023

To,  
Mr. B. M. Borhade  
Department of Computer Engineering,  
Navsahyadri Group of Institutions,  
Pune,

**Subject:** Invitation for conducting workshop on "New Technology in Computer Engineering"

Respected sir,

This gives Department of Computer Department of SCSCOE, great pleasure to request you to conduct Workshop on "New Technology in Computer Engineering" for B. E. students of SCSCOE in RDTC-SCSCOE, Dhangawadi.

We will be thankful to you if you can schedule from 22<sup>nd</sup> to 28<sup>th</sup> of February 2023.

Waiting for your positive reply.



*15/2*  
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- 17/02/2023

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

**Subject:** Regarding permission of Workshop on "New Technology in Computer Engineering" & Sanctioning of remuneration.

Respected sir,

Computer Dept. is going to conduct Workshop on "New Technology in Computer Engineering" for B. E. students. **Mr. B. M. Borhade** has been invited as a speaker for the lecture of Computer engineering student. The lecture will be held in his presence. He will deliver the lecture on following day and date.

Sr. No.	Day	Date	Subject	Class
1.	Wednesday to Monday	22-02-2023 to 28-02-2023	Workshop on New Technology in Computer Engineering	B. E. (Computer)

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

Thanking you.

*PMARNE*  
Prof. P. M. Marne  
(Coordinator)



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

Remark

*Approved*  
*(Signature)*

Principal  
Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engg,  
Dhangawadi, Pune-412206



**CONDUCTION LETTER**


Date-17/02/2023

To  
Mr. B. M. Borhade  
Department of Computer Engineering,  
Navsahyadri Group of Institutions,  
Pune,

We express our immense gratitude for having you at our college to conduct a fabulous Workshop on “New Technology in Computer Engineering”. 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 WORKSHOP ON NEW TECHNOLOGY IN COMPUTER  
ENGINEERING**

**TOPIC: "WORKSHOP ON NEW TECHNOLOGY IN COMPUTER ENGINEERING"**

**DAY/ DATE: 22<sup>nd</sup> to 28<sup>th</sup> of Feb 2023, Wednesday to Monday**

**DURATION OF EVENT: 11:00 am to 4:00 pm.**

**OBJECTIVE**

1. Provide student a conceptual overview of New Technology in Computer Engineering.
2. Understand and use essential technique of New Technology in Computer Engineering.

**SUMMARY**

The Workshop has started with Mr. B. M. Borhade briefing the students about "New Technology in Computer Engineering" 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) welcome the Guest Mr. B. M. Borhade.

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

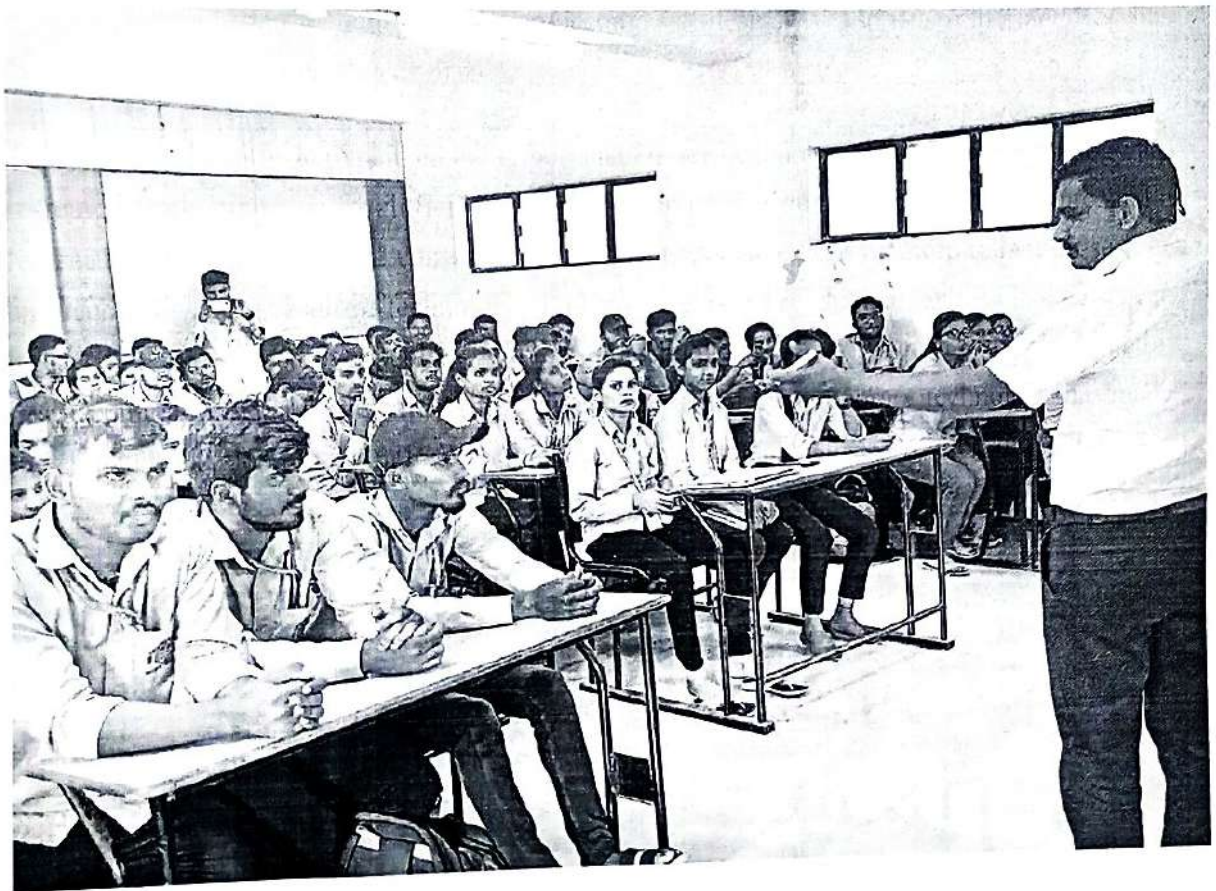
The course outcome of the Workshop:

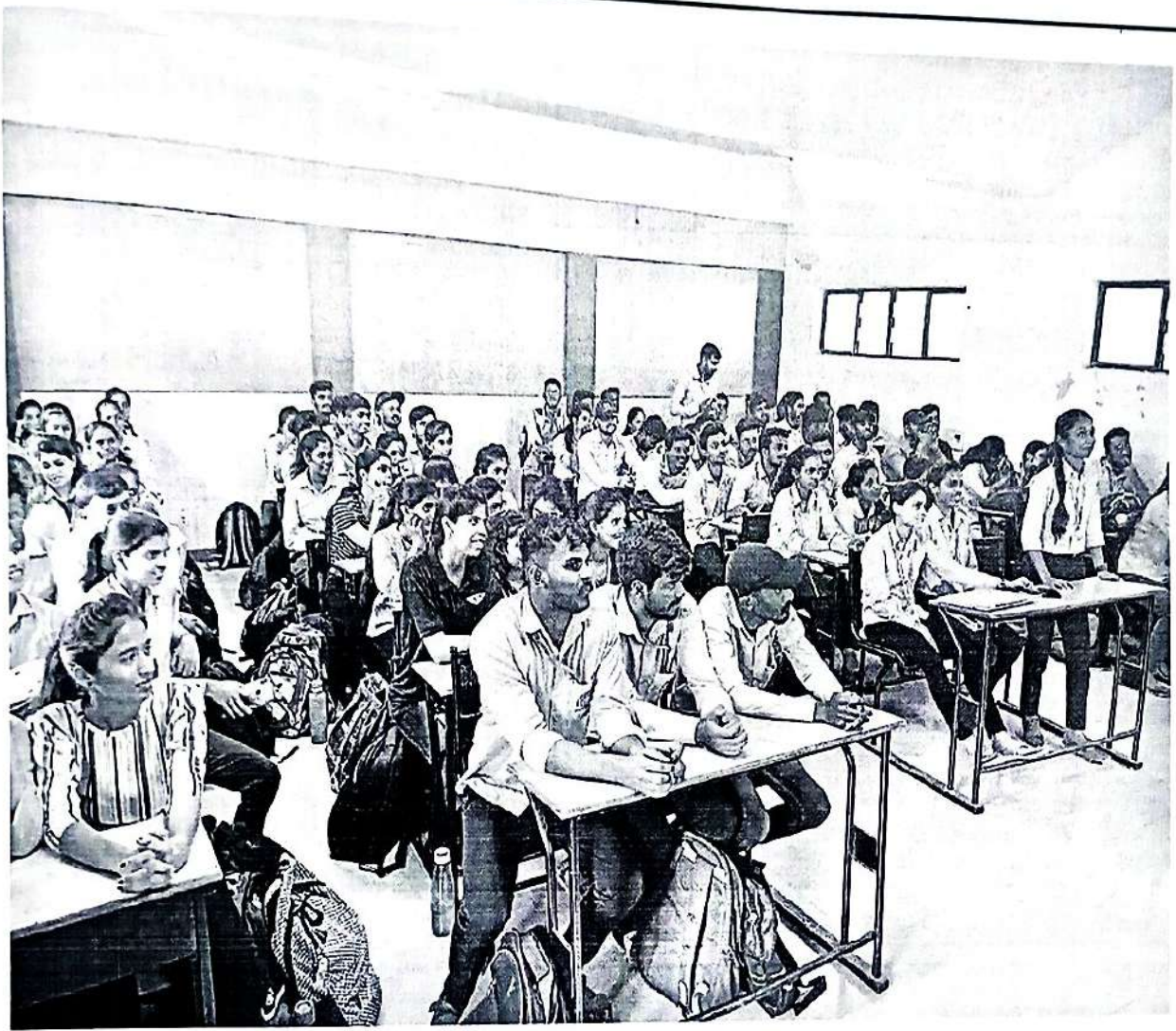
1. Familiarize the functional/operational aspects of New Technology in Computer Engineering.
2. Understand emerging concepts of New Technology in Computer Engineering.

The session commenced with a brief introduction to **New Technology in Computer Engineering**, as science and technology have become essential aspects of our lives. Technology was a luxury at a point in time, but now it has become a necessity. It is impossible to survive without electricity, television, music systems, mobile phones, internet connections, etc. We start and end our day with technology. So it is indeed difficult to imagine our life without technology, but it should be used with caution. If we become too dependent on technology, it will end up being harmful to us and

our health. Overuse of technology can also become self-destructive, so it is important everyone uses technology only when necessary.

Then Mr. B. M. Borhade explained the importance of new technology. Advanced technology has increased productivity across all fields of work. Technology is our new present and future, and it has made life easier and more convenient for us. Humans have become more reliant on science and technology as a result of technological advancements. Every human activity has now been replaced by one created by machines. We rely on technology for every aspect of our lives, and it has become an inseparable element of our lives. The use of contemporary technology has made the entire civilization reliant on it. Without technology, life and business would grind to a halt.





*P. MARNE*

**Prof. P. M. Marne**  
(Coordinator)

*B. D. THORAT*

**Prof. B. D. Thorat**  
(H. O. D)

**Head of Department**  
**Dept. Computer Engineering**  
**Shri Chh. Shivajiraje College of Engg**  
**Dhangawadi, Pune-412206**







Workshop on "New Technology in Computer Engineering".

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 workshops 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**

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

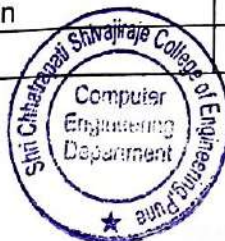
**DEPARTMENT OF COMPUTER ENGINEERING**

**Academic Year : 2022 - 2023**

Topic **New Technology in Computer Engineering**

Date: **22/2/23 to 28/2/23**

Roll No.	Name of the Student	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
BCO19F001	Asfiyan Nazim Attar	P	A	P	P	P	P
BCO20D002	Bait Rukshita Dinesh	P	P	P	P	P	P
BCO19F003	Bhelke Shereya Umesh	P	P	P	P	P	A
BCO20D004	Bhingare Isha Dilip	P	P	P	P	P	P
BCO20D005	Bhosale Shweta Sharad	P	P	P	P	P	P
BCO19F006	Bobade Prachi Santosh	P	P	P	P	P	A
BCO19F007	Borane Shubham Sandip	P	P	P	P	A	P
BCO20D008	Borsare Shubham Tarudutta	P	P	P	P	A	P
BCO18F009	Chavan Ritambara Shankar	A	P	P	P	P	P
BCO19F010	Dabade Suyash Sunil	P	P	A	P	P	P
BCO20D011	Dere Sunanda Muktararam	P	P	P	P	P	P
BCO20D012	Devgirikar Vidya Sambhaji	A	P	P	P	P	P
BCO19F013	Dhadave Ajinkya Rohidas	P	A	P	A	P	P
BCO19F014	Dhadve Pragati Uddesh	P	P	P	P	P	P
BCO20D015	Dighe Supriya Dattatray	P	P	P	P	P	A
BCO20D016	Gaikwad Puja Balkrushna	P	P	P	P	P	P
BCO19F017	Gaikwad Shubhangi Suryakant	P	P	P	P	P	P
BCO18F018	Gaikwad Sushil Pandurang	P	P	P	P	P	P
BCO19F019	Garud Akshada Anil	A	P	P	P	P	P
BCO19F020	Gawali Kartik Rakesh	A	A	P	P	P	P
BCO18F021	Gorad Akshada Rajendra	A	P	P	P	P	P
BCO20D022	Gujar Sayali Satish	P	P	P	A	P	P
BCO20D023	Ingale Yash Sudhir	P	A	P	A	P	A
BCO19F024	Ithape Shreya Santosh	P	A	A	P	P	A
BCO19F025	Jadhav Dhiraj Anna	P	P	P	P	P	P
BCO20D026	Jadhav Harshad Arjun	P	P	P	P	P	P
BCO20D027	Jadhav Shweta Yashwant	P	P	P	P	P	P
BCO19F028	Jagdale Harshada Shivaji	P	P	A	A	P	P
BCO20D029	Jagtap Gauravi Sopan	P	P	P	P	P	P
BCO20D030	Kachi Aditi Jagdish	P	P	P	P	P	P



BCO19F031	Kaluse Sahil Sanjay	A	P	P	P	P	P
BCO18F032	Kamble Prashant Mohan	P	P	P	P	P	P
BCO19F033	Kanade Datta Chetan	P	P	P	P	P	P
BCO20D034	Kanade Omkar Rajesh	P	A	P	P	P	P
BCO20D035	Khaire Prajakta	P	P	P	P	A	P
BCO19F036	Khandale Kiran Prakash	P	P	P	P	A	P
BCO19F037	Khopade Ajit Dattatraya	P	P	P	P	P	P
BCO17F038	Kinhale Kajal Mohan	P	P	P	P	P	P
BCO19F039	Kirve Makrand Shashikant	A	A	A	A	A	A
BCO19F040	Koli Gaurav Rajendra	P	P	P	P	P	P
BCO19F041	Korade Tujay Kamlakar	P	P	P	P	P	P
BCO20D042	Kshirsagar Akash Mahesh	P	P	P	P	P	P
BCO19F043	Kshirsagar Prathamesh Dilip	P	P	A	A	A	A
BCO20D044	Kshirsagar Vaibhav Mohan	P	P	P	P	P	A
BCO19F045	Kumbhar Rutuja Dattatraya	P	P	P	P	P	P
BCO19F046	Lawande Swapnil Bhalchandra	A	P	P	P	P	P
BCO19F047	Mahandave Kunal Dilip	A	P	P	P	P	P
BCO20D048	Mandhare Rupali Laxman	P	P	P	P	P	A
BCO20D049	More Preeti Arvind	P	P	P	P	P	P
BCO19F050	Munde Abhijeet Bhagwat	P	P	A	A	P	P
BCO19F051	Padale Tejas Chandrakant	P	P	A	P	P	P
BCO19F052	Pandit Akash Fakirchand	A	P	P	P	A	P
BCO18F053	Patankar Samarjeet Satish	P	P	P	P	P	P
BCO20D054	Patil Vaishnavi Devendra	P	P	P	P	P	P
BCO20D055	Pawar Mayur Ravindra	P	P	A	A	P	P
BCO20D056	Pawar Snehal Sunil	P	P	P	P	P	P
BCO20D057	Pophale Kishori Vijay	P	P	P	P	P	P
BCO19F058	Raut Pooja Sharad	P	P	P	P	P	P
BCO17F059	Salunke Sangram Manohar	P	P	P	P	P	P
BCO19F060	Saste Shubham Jalindar	P	P	P	P	P	P
BCO19F061	Shedge Pooja Sambhaji	P	P	P	P	A	P
BCO19F062	Shilimkar Ashwini Vijay	P	P	A	P	A	P
BCO20D063	Shilimkar Namrata Rajendra	P	P	P	P	A	P
BCO19F064	Shinde Dipak Naresh	P	P	P	A	P	P
BCO19F065	Shinde Sandhya Prabhat	A	P	P	P	P	A
BCO19F066	Shivtare Harshada Sanjay	P	A	P	P	P	A
BCO18F067	Sonawane Shivam Laxman	P	P	P	P	P	P
BCO20D068	Sonwane Sonal Eknath	P	A	A	P	P	A
BCO19F069	Suryawanshi Aniket Sunil	P	P	P	P	P	A



BCO19F070	Suryawanshi Komal Bhanudas	P	P	P	P	P	P
BCO20D071	Theurkar Priyadarshan Dnyanoba	P	P	P	P	P	P
BCO20D072	Thombare Chandan Shekhar	P	P	P	A	P	P
BCO19F073	Todkar Omkumar Murlidhar	P	A	P	P	P	P
BCO19F074	Umbarkar Kunal Sunil	A	P	P	P	P	P
BCO20D075	Wadkar Mohini Sanjay	A	A	A	A	A	A
BCO20D076	Walekar Abhinav Navnath	P	P	P	P	P	A
BCO19F077	Yele Pratiksha Jagdish	P	P	A	P	P	P
BCO19F078	Yewale Yash Dattatray	P	P	A	P	P	P
BCO18D079	Jadhav Avinash Hanumant	P	P	A	P	P	A





## Shri Chhatrapati Shivajiraje College of Engineering

Rajgad Dnyanpeeth's

(Approved by AICTE, Recognized by Government of Maharashtra &

Affiliated to Savitribai Phule Pune University, Pune)

Dhangawadi, Tal: Bhor, Dist: Pune, Maharashtra, India

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

Department of Computer Engineering



### Workshop on New Technology in Computer Engineering

#### CERTIFICATE OF PARTICIPATION

This is to certify that,

*Patil Vaishnavi Devendra*

has successfully completed **New Technology in Computer Engineering** Organized by Department of Computer Engineering, RD's Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune-412205 on 22 -- 28 Feb 2023

Prof. P. M. Marne  
Co-ordinator

Prof. B. D. Thorat  
HOD

Dr. S. B. Patil  
Principal



Rajgad Dnyanpeeth's

## Shri Chhatrapati Shivaji Rajawade College of Engineering

(Approved by AICTE, Recognized by Government of Maharashtra &

Affiliated to Savitribai Phule Pune University, Pune)

Dhangawadi, Tal: Bhor, Dist: Pune, Maharashtra, India

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

Department of Computer Engineering



### Workshop on New Technology in Computer Engineering

### CERTIFICATE OF PARTICIPATION

This is to certify that,

*Rachi Aditi Jagdish*

has successfully completed **New Technology in Computer Engineering** Organized by Department of Computer Engineering, RD's Shri Chhatrapati Shivaji Rajawade College of Engineering, Dhangawadi, Pune-412205 on 22 – 28 Feb 2023

Prof. P. M. Marne  
Co-ordinator

Prof. B. D. Thorat  
HOD

Dr. S. B. Patil  
Principal



Rajgad Dnyanpeeth's

## Shri Chhatrapati Shivajiraje College of Engineering

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Department of Computer Engineering



### Workshop on New Technology in Computer Engineering

#### CERTIFICATE OF PARTICIPATION

This is to certify that,

*Rohinagar Prathamesh Dilik*

has successfully completed **New Technology in Computer Engineering** Organized by Department of Computer Engineering, RD's Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune-412205 on 22 – 28 Feb 2023

Prof. P. M. Marne  
Co-ordinator

Prof. B. D. Thorat  
HOD

Dr. S. B. Patil  
Principal



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

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

Date: 2<sup>nd</sup> Jan 2023

**DEPARTMENT OF E&TC ENGINEERING**

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

Program Schedule: 09/01/2023 to 13/01/2023 at 10.00 am to 05.00 pm.

Faculty Coordinator:  
Prof. Nipanikar R.S

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

Principal:  
Prof. Dr. Sanjay B. Patil

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



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

**Objectives**

On completion of this course, successful participants will be able to:

- Perform effectively as entry level Embedded Systems professionals.
- Develop and maintain applications written using Embedded C.
- Independently design and develop a hardware platform encompassing a microcontroller and peripherals.

**Outcome**

- Able to acquire knowledge and understand fundamental embedded systems design paradigms, architectures, possibilities and challenges, both with respect to software and hardware,
- Able to analyze a system both as whole and in the included parts, to understand how these parts interact in the functionality and properties of the system
- Able to practically apply gained theoretical knowledge in order to design, analyze and implement embedded systems, e.g. integrating embedded subsystems and applications in building a fully functional autonomous robot.
- Apply formal method, testing, verification, validation and simulation techniques and tools in order to engineer reliable and safe embedded systems,
- Demonstrate a deeper understanding of the electronics and physical principles used for embedded biomedical measuring systems

**Duration (30 Hr)**

**Embedded System Design Hands on Training software on:**

Module-1 - Fundamentals of Embedded System

Core of the embedded system, Memory, Sensors (resistive, optical, position, thermal) and Actuators (solenoid valves, relay/switch, opto-couplers), Communication Interface, Embedded firmware (RTOS, Drivers, Application programs), Power-supply (Battery technology, Solar), PCB and Passive components, Safety and reliability, environmental issues. Ethical practice. 1.2 Characteristics and quality attributes (Design Metric) of embedded system. Real time system's requirements, real time issues, interrupt latency. 1.3 Embedded Product development life cycle, Program modeling concepts: DFG, FSM, Petri-net, UML

## Module-2 - Embedded Hardware and Design

Introduction to ARM-v7-M (Cortex-M3), ARM-v7-R (CortexR4) and comparison in between them

## Module-3 - Embedded Serial Communication


Study of basic communication protocols like SPI, SCI (RS232, RS485), I2C, 10 CAN, Field-bus (Profibus), USB (v2.0), Bluetooth, Zig-Bee, Wireless sensor network

## Module-4 - Embedded Software, Firmware Concepts and Design

- Embedded C-programming concepts (from embedded system point of view): Optimizing for Speed/Memory needs, Interrupt service routines, macros, functions, modifiers, data types, device drivers, Multithreading programming. (Laboratory work on J2ME Java mobile application).
- Basic embedded C programs/applications for ARM-v7, using ARM-GCCtool-chain, Emulation of ARM-v7 (e.g. using QEMU), and Linux porting on ARM-v7 (emulation) board CASE STUDY: 1) Medical monitoring systems, 2) Process control system (temp, pressure) 3) Soft real time: Automated vending machines, 4) Communication: Wireless (sensor) networks.
- Real time operating system: POSIX Compliance , Need of RTOS in Embedded system software, Foreground/Background systems, multitasking, context switching, IPC, Scheduler policies, Architecture of kernel, task scheduler, ISR, Semaphores, mailbox, message queues, pipes, events, timers, memory management, RTOS services in contrast with traditional OS.
- Introduction to  $\mu$ COS-II RTOS, study of kernel structure of  $\mu$ COS-II, Synchronization in  $\mu$ COS-II, Inter-task communication in  $\mu$ COS-II, Memory management in  $\mu$ COS-II, porting of RTOS on ARM-v7 (emulation) board, Application developments using  $\mu$ COS-II. 4.5 Introduction Linux OS, Linux IPC usage, basic device (drivers) usage.

  
**Prof. Nipanikar R.S.**

**Coordinator**

  
**Prof. Dudhane T.M.**  
**HOD E & TC Engineering**

## Module-2 - Embedded Hardware and Design

Introduction to ARM-v7-M (Cortex-M3), ARM-v7-R (CortexR4) and comparison in between them

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**Prof. Nipanikar R.S.**

**Coordinator**



**Prof. Dudhane T.M.**

**HOD E & TC Engineering**



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 BE students on

## Embedded System Design

**Trainer: Dr. Nipanikar S. I.**

**Date of commencement: 9/1/2023 onwards**

**Venue: E & TC Engineering Simulator Lab**

**Faculty  
Contact**



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

**Registration has been started from 2/1/2023.**



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

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

**Hands on Training on  
“Embedded System Design”**

**(9<sup>th</sup> Jan. 2023 to 13<sup>th</sup> Jan. 2023)**

Organized By

Department of E & TC Engineering

**Savitribai Phule Pune  
University Pune,  
India**



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

Department: E&TC Engg.

Semester: I

Academic Year: 2022-23

Date: 18/01/2023

To,

The Principal,

SCSCOE, Dhangawadi,

Pune

Through: HOD, Department of E&TC Engineering

**Subject:** Submission of the report of Hands on Training organized on "Embedded System Design" for BE Students of Department of E & TC Engineering.

Respected Sir,

With above reference, we have successfully organized Hands on Training on "**Embedded System Design**" for BE Students of Department of E & TC Engineering. The speaker was **Mr. Nipanikar S. I.**

**No. of Participants: 36**

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

Sr. No.	Date	Details of the event organized
1	9/1/2023 to 13/1/2023	Embedded System Design

Thanking You.

Mrs. Nipanikar R.S. *Rehmi*

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	9/1/2023
Name of Experts and details	<b>Prof. Nalage S. S.</b> <b>Email id: sandhyanalage84@gmail.com</b> <b>Contact no: 99229 48572</b>
Topic of session	"Embedded System Design"
Beneficiaries	All B.E. students.
No. of participants	36
Venue	Simulation Lab Department of E&TC Engineering, SCSCOE, Dhangawadi, Pune

#### **Overview:**

The Department of E &TC Engineering of SCSCOE has organized Hands on training on "Embedded System Design", for B.E aspirant graduates. Session is intended for B.E. aspiring engineers who seek to explore the impact of E & TC - Embedded System Design in future career. The Embedded engineering system **allows for an advanced network communication that will give you pertinent information such as electrical malfunctions, temperatures and pressures, and data interface.**

#### **Objective:**

The main objective of Global Certification course **session is to:**

- a. Understand the career opportunities in Automating of electrical Systems,
- b. Understand the problem facing in industries,

#### **Highlights of the Expert Lecture:**

1. Inauguration of Hands on Training held at 9<sup>th</sup> Jan. 2023, 10:00AM. In the inauguration function, Chief Guest Prof. Dudhane T.M., HOD, Department of E & TC Engineering & Dr. S.B.Patil, Principal SCSCOE, Pune share views and experiences to T.E. students.
2. Prof. Nipanikar S. I. introduced the objectives of the Hands on Training on "Embedded System Design", and conducted training from 9<sup>th</sup> Jan. 2023 to 13<sup>th</sup> Jan. 2023. She covers all points mentioned in **Syllabus covered during program**



Rajgad Dnyanpeeth's

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

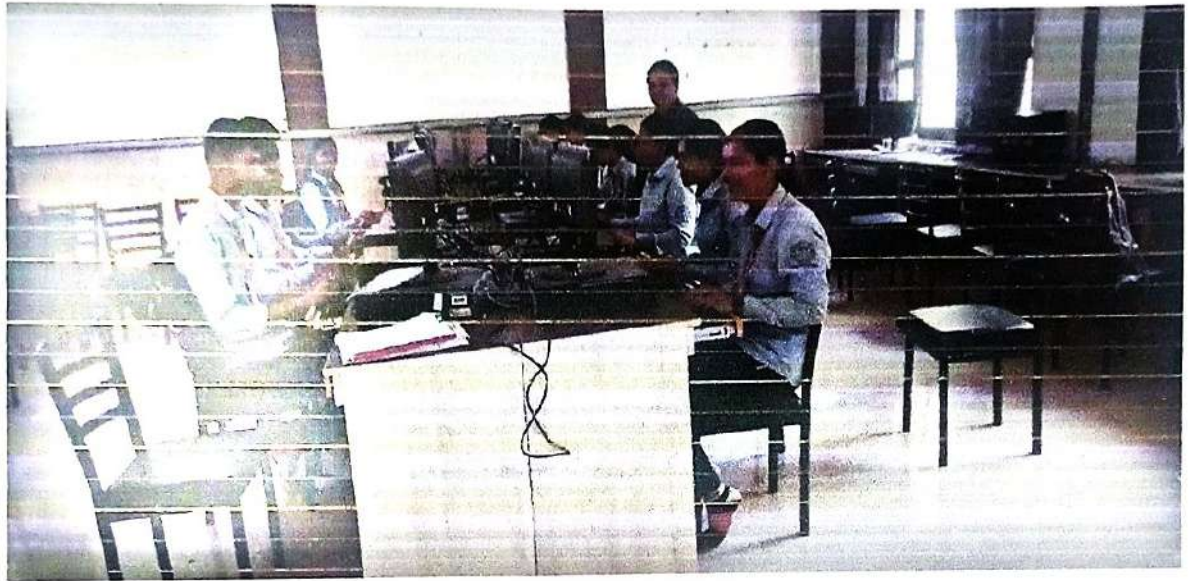
Students are divided in two batches (each of 18 students) for smooth conduction of Embedded System Design Course.

- a. The entire session was very interactive and the students have understood the career opportunities in Embedded System Design in electronics engineering.
  - 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 feedback session. In that, they have expressed their interest and willingness in getting career opportunities in Embedded System Design.
  4. Valedictory Function of Global Certification program held on 13<sup>th</sup> Jan. 2023, 4 PM. In Valedictory Function, In- House Expert, Prof. Nipanikar S. I. and Prof. Dudhane T.M., HOD, Department of E & TC Engineering and Dr. S.B.Patil, Principal SCSCOE share views and experiences to B.E. students.





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



*Rahim*

Prof. R. S. Nipanikar  
Course Coordinator

*T. M. Dudhane*

Prof. T. M. Dudhane  
Head of Department



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



Rajgad Dryanpeeth's

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 "Embedded System Design" organized by Department of E & TC Engineering, Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune from 9/1/2023 to 13/1/2023.*

Prof. R. S. Nipanikar  
Coordinator

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

Prof. Dr. S. B. Patil  
Principal



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

DEPARTMENT OF E & TC ENGINEERING

## CERTIFICATE OF PARTICIPATION

This is to certify that

**Miss. Bharati Rohini Laxman**

*has successfully completed the Hands on Training on "Embedded System Design"  
organized by Department of E & TC Engineering, Shri Chhatrapati Shivajiraje  
College of Engineering, Dhangawadi, Pune from 9/1/2023 to 13/1/2023.*

Prof. R. S. Nipanikar  
Coordinator

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

Prof. Dr. S. B. Patil  
Principal



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: 2/1/2023

Title of Program: Hands on Training on Embedded System Design

**Registration form**

Sr. No.	Full Name	Sign
1	BABAR RUTUJA PRADIP	<u>R. Babar</u>
2	BHARATI ROHINI LAXMAN	<u>R. Bharti</u>
3	BHIMANAVARV BASAVARAJ ARJUN	<u>A. Bhimrao</u>
4	DESHMUKH SAMEER SATISH	<u>s. Deshmukh</u>
5	DEVKAR POONAM DHANAJI	<u>p. Poonam</u>
6	DHONDE ABHIJEET VITTHAL	<u>V. Dhonde</u>
7	DUDHANE TEJAS TANAJI	<u>T. Dudhane</u>
8	GADE RUSHIKESH NARAYAN	<u>Gade. N</u>
9	GADEKAR NILAM RAMESH	<u>R. Gadekar</u>
10	GHATAKAMBLE SANDEEP SIDHALINGAPPA	<u>Ghata. K. S</u>
11	JADHAV ANIKET NATHU	<u>Jadhav A</u>
12	JADHAV JYOTI SANJAY	<u>J. Jadhav</u>
13	JADHAV PRIYANKA TANAJI	<u>J. Jadhav</u>
14	KADAM DHIRAJ SUHAS	<u>D. Kadum</u>
15	KANSE PAYAL ASHOK	<u>Payal K</u>
16	KASHID DEEPALI BABURAO	<u>D. Kasid</u>
17	KHOMANE SAGAR BHANUDAS	<u>S. Bhanudes</u>
18	KHOPADE ARATI NAMDEV	<u>A. N. Khopade</u>
19	KOKATE ANKITA BALASO	<u>A. B. Kokate</u>

20	KOKATE UMESH RAMESH	<u>Rekate.</u>
21	KONDHALKAR POOJA RAMCHANDRA	<u>P.R. Kondhalkare</u>
22	MALAVI VISHAL SHIVAJI	<u>M. Malavi</u>
23	MALEKAR KOMAL SANJAY	<u>Komal</u>
24	METIL MAHENDRA RANGRAO	<u>Metil</u>
25	MORE KETAN VIJAY	<u>K.V. more</u>
26	MORE MAHESH SUNIL	<u>M. more</u>
27	PARWADI AYUSH ASHOK	<u>A.K. PARWADI</u>
28	PATIL ARCHANA MAHADEO	<u>Patil</u>
29	PAWAR GANESH PANDURANG	<u>G.P. Pawar</u>
30	PAWAR RUSHIKESH DNYANESHWAR	<u>R.P. Pawar</u>
31	PAWAR SWARALI RAMCHANDRA	<u>S.R. Pawar.</u>
32	RENUSE ARCHANA SITARAM	<u>R. Renuse</u>
33	SALUNKE PRATIKSHA PANDURANG	<u>P. Salunke</u>
34	SHAIKH SHAHARUKH SALIM	<u>S.S. Shaikh.</u>
35	SHENDGE BHAGYASHRI UMAJI	<u>B. Shinde</u>
36	SUTAR PRATIK ADHIKRAO	<u>P. Sutar</u>

## Attendance OF Student

Sr. No.	Full Name	Sign 09/23	10/23	11/23	12/23	13/123
1	BABAR RUTUJA PRADIP	<u>R. Babar</u>	P	P	P	P
2	BHARATI ROHINI LAXMAN	<u>R. Bharati</u>	P	P	P	P
3	BHIMANAVARV BASAVARAJ ARJUN	<u>B. Bhimavarv</u>	P	P	P	P
4	DESHMUKH SAMEER SATISH	<u>S. Deshmukh</u>	P	P	P	P
5	DEVKAR POONAM DHANAJI	<u>P. Poonam</u>	P	P	P	P
6	DHONDE ABHIJEET VITTHAL	<u>V. Dhonde</u>	P	P	P	P
7	DUDHANE TEJAS TANAJI	<u>T. Dudhane</u>	P	P	P	P
8	GADE RUSHIKESH NARAYAN	<u>G. Gade N.</u>	P	P	P	P
9	GADEKAR NILAM RAMESH	<u>R. Gadekar</u>	P	P	P	P
10	GHATAKAMBLE SANDEEP	<u>G. Ghatakamble</u>	P	P	P	P
11	JADHAV ANIKET NATHU	<u>J. Jadhav A.</u>	P	P	P	P
12	JADHAV JYOTI SANJAY	<u>J. Jadhav</u>	P	P	P	P
13	JADHAV PRIYANKA TANAJI	<u>J. Jadhav</u>	P	P	P	P
14	KADAM DHIRAJ SUHAS	<u>D. Kadam</u>	P	P	P	P
15	KANSE PAYAL ASHOK	<u>K. Kanse</u>	P	P	P	P
16	KASHID DEEPALI BABURAO	<u>D. Kashid</u>	P	P	P	P
17	KHOMANE SAGAR BHANUDAS	<u>R. Khomane</u>	P	P	P	P

18	KHOPADE ARATI NAMDEV	<u>A.N. Khopade</u>	P	P	P	P
19	KOKATE ANKITA BALASO	<u>A.B. Kokate</u>	P	P	P	P
20	KOKATE UMESH RAMESH	<u>Rekate</u>	P	P	P	P
21	KONDHALKAR POOJA RAMCHANDRA	<u>P.R. Kondhalkar</u>	P	P	P	P
22	MALAVI VISHAL SHIVAJI	<u>P. Malavi</u>	P	P	P	P
23	MALEKAR KOMAL SANJAY	<u>P. Komal</u>	P	P	P	P
24	METIL MAHENDRA RANGRAO	<u>P. Metil</u>	P	P	P	P
25	MORE KETAN VIJAY	<u>K.V. More</u>	P	P	P	P
26	MORE MAHESH SUNIL	<u>M. More</u>	P	P	P	P
27	PARWADI AYUSH ASHOK	<u>A.F. Parwadi</u>	P	P	P	P
28	PATIL ARCHANA MAHADEO	<u>P. Patil</u>	P	P	P	P
29	PAWAR GANESH PANDURANG	<u>G.P. Pawar</u>	P	P	P	P
30	PAWAR RUSHIKESH DNYANESHWAR	<u>P. Pawar</u>	P	P	P	P
31	PAWAR SWARALI	<u>S.R. Pawar</u>	P	P	P	P
32	RENUSE ARCHANA SITARAM	<u>A. Rense</u>	P	P	P	P
33	SALUNKE PRATIKSHA PANDURANG	<u>P. Salunke</u>	P	P	P	P
34	SHAIKH SHAHARUKH SALIM	<u>S.S. Shaikh</u>	P	P	P	P
35	SHENDGE BHAGYASHRI UMAJI	<u>B. Shindge</u>	P	P	P	P
36	SUTAR PRATIK ADHIKRAO	<u>P. Sutar</u>	P	P	P	P.



Rajgad Dnyanpeeth's

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

Date: 10/01/2023

## **INVITATION LETTER**

To,

**Prof. Pramod Ganpat Patole,**

**CNC Operations & Programming, TOT**

**Subject:** Invitation for conducting Training Program on "CNC Programming and Operation"  
17<sup>th</sup> January 2023 onwards.


Dear Sir,

Our Department of Mechanical Engineering is going to organize a Training Program on "CNC Programming and Operation" in association with MITCON, 17<sup>th</sup> January 2023 onwards for our students. Considering your expertise and experience in the same field, it gives us immense pleasure to invite you as a trainer for above said training program.


Kindly, accept the invitation and acknowledge the same.

Thanking You.

Yours truly,

  
Prof. M. B. Bankar  
Program Coordinator

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

  
Prof. Dr. S. B. Patil  
Principal

Received  
Patole







**Date:** 12/01/2023

## NOTICE

All S.E, T.E. & B.E. Mechanical Engineering students hereby informed that, Department of Mechanical Engineering, Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering organized a Training Program on "CNC Programming and Operation" from Tuesday, 17<sup>th</sup> January 2023 (Every Friday and Saturday) in association with MITCON. Those students who want to register for the same will give their name along with 2 passport size photo, Adhar Card Xerox and School leaving certificate / 10<sup>th</sup> Marksheet /12<sup>th</sup> Marksheet to Prof. M. B. Bankar till tomorrow 12.00 noon.

**Venue-** ICT Classroom (Mechanical Engineering Department)

  
Prof. M. B. Bankar  
Coordinator

  
Prof. S. K. Pawar  
H.O.D. (Mechanical Engg.)





Date: 12/01/2023

**DEPARTMENT OF MECHANICAL ENGINEERING**  
**Training Program on "CNC Programming and Operation"**

**SCHEDULE OF TRAINING PROGRAM**

Day & Date	Time	Name of Resource Person	Course contents
Tuesday, 17/01/2023	11.00 am - 05.30 pm	Mr. Pramod G. Patole	Introduction about CNC Technologies- <ul style="list-style-type: none"><li>• Classification of CNC Machine</li><li>• Advantage of CNC Machine tool</li><li>• Limitation of CNC Machine tool</li><li>• Application of CNC Machine tool</li></ul>
Friday, 20/01/2023	11.00 am - 05.30 pm	Mr. Pramod G. Patole	General Construction of CNC Machine tool <ul style="list-style-type: none"><li>• Structure</li><li>• Spindle and Feed Drives</li><li>• Actuator Support bearings</li></ul>
Saturday, 21/01/2023	11.00 am - 05.30 pm	Mr. Pramod G. Patole	<ul style="list-style-type: none"><li>• Feed Back Systems</li><li>• Automatic Tool Changers</li><li>• Tooling</li><li>• Material Handling System</li></ul>
Friday, 27/01/2023	11.00 am - 05.30 pm	Mr. Pramod G. Patole	<ul style="list-style-type: none"><li>• Pallet Changer System</li><li>• Lubrication System</li><li>• Coolant System</li><li>• Comparison between conventional &amp; CNC machine</li></ul>
Friday, 03/02/2023	11.00 am - 05.30 pm	Mr. Pramod G. Patole	Introduction about Part Programming – Step In Part Programming Terminology used in CNC part Programming
Saturday, 04/02/2023	11.00 am - 05.30 pm	Mr. Pramod G. Patole	Selection of Cutting tools- Introduction about various cutting tools and their cutting angles, tool holders and inserts used in CNC machines
Friday, 10/02/2023	11.00 am - 05.30 pm	Mr. Pramod G. Patole	Introduction about various features of GD & T with use of engineering drawing
Friday, 17/02/2023	11.00 am - 05.30 pm	Mr. Pramod G. Patole	Sequence Number (N code) Preparatory Function (G Codes) Coordinate Function (X,Y,Z,U,V,W and I,J,K)



Day & Date	Time	Name of Resource Person	Course contents
Friday, 24/02/2023	11.00 am - 05.30 pm	Mr. Pramod G. Patole	Feed Function (F) Spindle Speed Function (S) Tool Function (T) Miscellaneous Function (M codes)
Friday, 03/03/2023	11.00 am - 05.30 pm	Mr. Pramod G. Patole	Manual Part Programming for Turning application
Saturday, 04/03/2023	11.00 am - 05.30 pm	Mr. Pramod G. Patole	Axes Designation convention Types of CNC Lathes(CNC turning Centre) Zero point and Reference Point Programming Types
Friday, 10/03/2023	11.00 am - 05.30 pm	Mr. Pramod G. Patole	General Structure of Turning part program
Friday, 24/03/2023	11.00 am - 05.30 pm	Mr. Pramod G. Patole	Practice of CNC turning Part Programming On CNC Machine software
Saturday, 25/03/2023	11.00 am - 05.30 pm	Mr. Pramod G. Patole	Introduction about Reverse Engineering Introduction about Coordinate Measuring Machine Demonstration of Co-ordinate Measuring Machine for the Inspection point of view Demonstration of 3D Scanning of Co- ordinate Measuring Machine
Friday, 31/03/2023	11.00 am - 05.30 pm	Mr. Pramod G. Patole	Industrial Visit at Gargi Engineering Services, Pande, Bhor

  
Program Coordinator

Prof. M. B. Bankar





Mangesh Bankar <mbbankar89@gmail.com>

---

## Plant visit to your esteemed organization

2 messages

---

**Mangesh Bankar** <mbbankar89@gmail.com>

29 March 2023 at 13:30

To: "gargienggservices@gmail.com" <gargienggservices@gmail.com>

Cc: RD's SCSCOE HOD MECHANICAL <mechhod@rajgad.edu.in>, Mangesh Bankar <mbbankar89@gmail.com>

Dear Madam,

Ours Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Bhor is one of the reputed technical institutes, affiliated to Savitribai Phule Pune University, Pune approved and accredited by AICTE, New Delhi. The Institute is established in 2009 and awarded 'B++' Grade by National Assessment and Accreditation Council (NAAC). Our third and final year Mechanical Engineering Students would like to visit your esteemed organization and study the CNC Programming and Operations.

Kindly permit our students (50 Nos.) and faculty (02 Nos.) for this visit on 31 March 2023.

We shall be obliged

Thanking you,

Thanks & Regards,

Prof. Mangesh B. Bankar

Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune.

Contact - 9730949108

---

**Atul Shinde** <gargienggservices@gmail.com>

29 March 2023 at 13:56

To: Mangesh Bankar <mbbankar89@gmail.com>

R/sir,

Received your request regarding students visit. We have no objections regarding the visit.  
You all are most welcome.

Best regards,

Atul Shinde Patil

[Quoted text hidden]





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


**Academic Year:** 2022-23


**Dept:** Mechanical Engineering

**Date:** - 29/03/2023

## **Notice**

All the students of T. E. and B. E Mechanical class are here by informed that the **Visit** is arranged at **Gargi Engineering Services, Pande** to see the different types of CNC and its working which is scheduled on Friday, **31/03/2023** at 11:30 am. All the students are informed to remain present. Bus from the college is arranged at **11:00 am**.

  
Prof. M. B. Bankar  
Program Coordinator

  
Prof. S. K. Pawar  
**HOD**  
**Head of Department**  
Dept. of Mechanical Engineering  
Shri Chh. Shivajiraje College of Engg.  
Dhangawadi, Pune-412206





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

Academic Year: 2022-23

Dept: Mechanical Engineering

Date: - 29/03/2023

To  
The Estate Manager,  
RDTC, SCSCOE,  
Dhangawadi.

Subject: Regarding permission to arrange the bus facility for Industrial visit.

Respected Sir,

We have arranged Industrial Visit of our T.E. and B.E. Mechanical Engineering students under the program – “CNC Programming and Operations” at Gargi Engineering Services, Pande on Friday 31/03/2023 with 50 students and 2 staff members. The timing of visit will be 11.30 a.m.

So please arrange one bus for successful completion of visit.

Thanking you.

one bus is need to be arranged  
for industrial visit on 31-3-23.  
M.B.

Yours Faithfully,

Prof. M. B. Bankar





RAJGAD DNYANPEETH'S  
SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING  
Gat .No-237, Pune Bangalore Highway, Dhangawadi, Tal-Bhor, Dist-Pune (Maharashtra)

Registration of Training Program on "CNC Programming and Operation"

Sr. No.	Name of Student	Class	Documents Submitted			Signature
			2 Photographs	Adhar Card	LC/10 <sup>th</sup> /12 <sup>th</sup> Marksheet	
1.	Kadam Vaibhav Vilas	BE	✓	✓	LC ✓	<u>Kadam</u>
2.	chavan Dnyanraj Pravin	BE	✓	✓	✓	<u>D.Chava</u>
3.	Nikam Omkar Sunil	BE	✓	✓	✓	<u>O.S.Nikam</u>
4.	Kadam Vaishnavi Pradip	BE	✓	✓	✓	<u>Kadam</u>
5.	Karande omkar santosh	BE	✓	✓	✓	<u>Karande</u>
6.	Kondhalikar Shubham P.	BE	✓	✓	✓	<u>Shubham</u>
7.	Nalawode Prasad Prakash	BE	✓	✓	✓	<u>PU</u>
8.	Waghmare Somnath Sudam	BE	✓	✓	✓	<u>S.S.waghmare</u>
9.	Mute Sudhir Rajesh	BE	✓	✓	✓	<u>Mute</u>
10.	Kamble Shubham Sudhir	BE	✓	✓	✓	<u>Kamble</u>





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

Registration of Training Program on "CNC Programming and Operation"

Sr. No.	Name of Student	Class	Documents Submitted			Signature
			2 Photographs	Adhar Card	LC/10 <sup>th</sup> /12 <sup>th</sup> Marksheet	
11]	Mogur Nar Nath Walbekar	QE	✓	✓	✓	
12]	Sutar Aniket Vikas	BE	✓	✓	✓	<u>ASUTAR</u>
13]	Havhar Kiran Dipak	BE	✓	✓	✓	
14]	Dharme Shrinivas bholaso	BE	✓	✓	✓	<u>Sdome</u>
15]	Kadav Karan Chantpar	BE	✓	✓	✓	<u>Kadav</u>
16]	Dobholkar Akhona Gunprasad	B.E.	✓	✓	✓	<u>Akhona</u>
17]	Shaikh Adil Mustaq	T.E	✓	✓	✓	<u>Adil</u>
18]	Shinde Shaeyash Anil	T.E	✓	✓	✓	
19]	Pisal sanika Morayyan	T.E	✓	✓	✓	<u>Pisal</u>
20]	more Dhirej Devidas	T.E	✓	✓	✓	







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Registration of Training Program on "CNC Programming and Operation"

Sr. No.	Name of Student	Class	Documents Submitted			Signature
			2 Photographs	Adhar Card	LC/10 <sup>th</sup> /12 <sup>th</sup> Marksheet	
21	Kindre Boham Jaywant	T.E.Mechan	✓	✓	✓	<i>Kindre</i>
22	Jadhav Vedant Rajesh	T.E.Mech	✓	✓	✓	<i>Vedant</i>
23	Barge Sumit Dipak	TE Mech	✓	✓	✓	<i>S barge</i>
24	Kumbhar Deep Laxman	TE Mech	✓	✓	✓	<i>Deep</i>
25	TanPare Kunal Chandrakant	TE Mech	✓	✓	✓	<i>Kalure</i>
26	Kazi Azam Raji	B.E.Mech	✓	✓	✓	<i>kazi A.R.</i>
27	Salunke Tanmay Ramesh	T.E.Mech	✓	✓	✓	<i>Tanmay's</i>
28	Papal Ganesh Santosh	TE Mech	✓	✓	✓	<i>Ganesh</i>
29	Gurun Suyog Yagesh	TE Mech	✓	✓	✓	<i>Gurun</i>
30	Paوار Pratik Somnath	TE Mech	✓	✓	✓	<i>Pratik</i>





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SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING  
Gal. No-237, Pune Bangalore Highway, Dhanganwadi, Tal-Bhor, Dist-Pune (Maharashtra)

Registration of Training Program on "CNC Programming and Operation"

Sr. No.	Name of Student	Class	Documents Submitted			Signature
			2 Photographs	Adhar Card	LC/10 <sup>th</sup> /12 <sup>th</sup> Marksheets	
31]	Pednekar Omkar Chandrakant	BE	✓	✓	✓	<i>Pednekar</i>
32]	Rhaire Saurabh Ramesh	TE	✓	✓	✓	<i>S. Rhaire</i>
33]	Ajay Suryawanshi	T.E.	✓	✓	✓	<i>Ajay Suryawanshi</i>
34]	Raut Shubham Rahidas	T.E	✓	✓	✓	<i>S. Raut</i>
35]	Tampure Tejas Sandip	T.E	✓	✓	✓	<i>T. Tampure</i>



*[Signature]*

Program Coordinator

*[Signature]*



RAJGAD DNYANPEETH'S  
**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**  
Gat .No-237, Pune Banglore Highway, Dhangawadi, Tal-Bhor, Dist-Pune (Maharashtra)

**REPORT OF A TRAINING PROGRAM ON  
"CNC PROGRAMMING AND OPERATION"**

**In Association with**

**MITCON and ACG Cares Foundation**

**DEPARTMENT:** Mechanical Engineering

**NAME OF GUEST/EXPERT:** **Mr. Pramod Ganpat Patole**  
CNC Operations & Programming, TOT

**TITLE OF SESSION:** "CNC Programming and Operation"

**DAY & DATE:** Tuesday, 17<sup>th</sup> January 2023 to Friday, 31<sup>st</sup> March 2023

**STUDENTS & FACULTY PRESENT:** 35

**CORDINATOR:** Prof. M. B. Bankar

**DISCRPTION:**

Department of Mechanical Engineering, Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering organized a 90 hours program on "**CNC Programming and Operation**" held from 17<sup>th</sup> January 2023 to 31<sup>st</sup> March 2023. The resource persons were Mr. Pramod Ganpat Patole, CNC Operations & Programming, TOT from MITCON. The program started with the Welcome address by Prof. S. K. Pawar, Head Department of Mechanical Engineering in which the guests were introduced. Now in a day's use of CNC Machine in all industries is increase day by day so this program introduces the concepts and capabilities of computer numerical control machine tools. With completion of this program students are able to operate CNC machine as well as able to program any industrial component.

After Completion of this introductory session start with all terminology related CNC machine is explained to students so they will understand all the parameters of CNC part programming easily. The CNC part programming is based on coding so all coding system explain by resource person to student and so that they can understand brief of programming.





**Welcome & Introductory speech of Guest**

**Content Delivered During CNC Programming Workshop:**

<p>Introduction about CNC Technologies</p>	<p>Classification of CNC Machine</p> <p>Advantage of CNC Machine tool</p> <p>Limitation of CNC Machine tool</p> <p>Application of CNC Machine tool</p> <p>General Construction of CNC Machine tool</p> <ul style="list-style-type: none"> <li>• Structure</li> <li>• Spindle and Feed Drives</li> <li>• Actuator Support bearings</li> <li>• Feed Back Systems</li> <li>• Automatic Tool Changers</li> <li>• Tooling</li> <li>• Material Handling System</li> <li>• Pallet Changer System</li> <li>• Lubrication System</li> </ul>
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	<ul style="list-style-type: none"> <li>• Coolant System</li> </ul>
Introduction about Part Programming	<p>Comparison between conventional &amp; CNC machine</p> <p>Step In Part Programming</p> <p>Terminology used in CNC part Programming</p>
Selection of Cutting tools	<p>Introduction about various cutting tools and their cutting angles, tool holders and inserts used in CNC machines</p>
Introduction about geometric dimensioning and tolerances and selection of cutting parameters	<p>Introduction about various features of GD &amp; T</p> <ul style="list-style-type: none"> <li>• Flatness</li> <li>• Parallelism</li> <li>• Circularity</li> <li>• Eccentricity with use of engineering drawing</li> </ul> <p>How to select cutting parameters like spindle speed, feed, axial and radial depth of cut for different machining condition.</p>
	<p>Sequence Number (N code)</p> <p>Preparatory Function (G Codes)</p> <p>Coordinate Function (X,Y,Z,U,V,W and I,J,K)</p> <p>Feed Function (F)</p> <p>Spindle Speed Function (S)</p> <p>Tool Function (T)</p> <p>Miscellaneous Function (M codes)</p>
Manual Part Programming for Turning application	<p>Axes Designation convention</p> <p>Types of CNC Lathes(CNC turning Centre)</p> <p>Zero point and Reference Point</p> <p>Programming Types</p> <p>General Structure of Turning part program</p> <p>Practice of CNC turning Part Programming On CNC Machine</p>
Reverse Engineering	<p>Introduction about Reverse Engineering</p> <p>Introduction about Coordinate Measuring Machine</p> <p>Demonstration of Co-ordinate Measuring Machine for the Inspection point of view</p> <p>Demonstration of 3D Scanning of Co-ordinate Measuring</p>



Industrial Visit	Machine
Industrial Visit at Gargi Engineering Services, Pande, Bhor as a Part of Study Tour for CNC Programming and Operations on 31 <sup>st</sup> March 2023	



Session on CNC Technologies

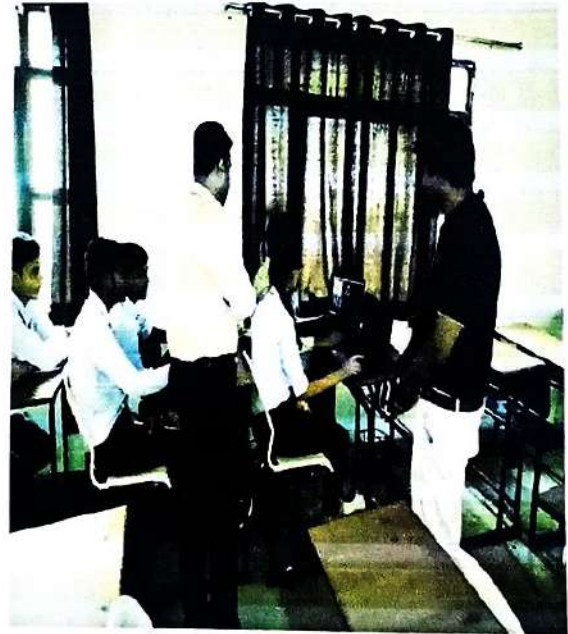


GD&T Session



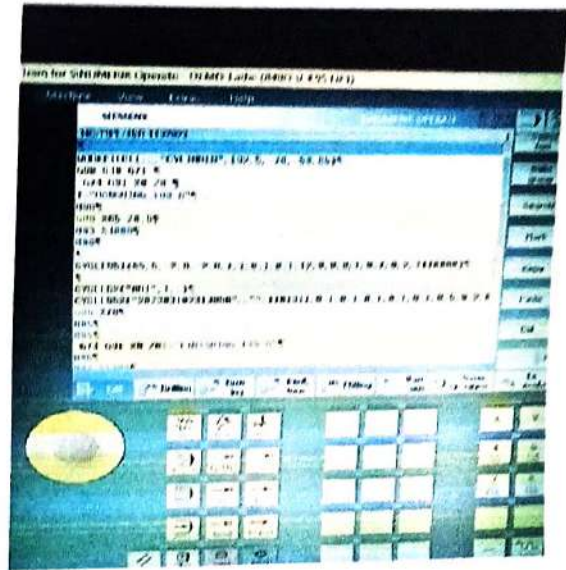
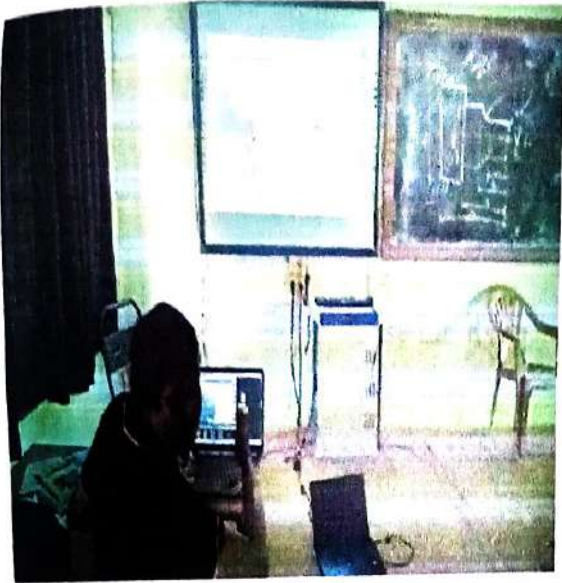


**Part Programming session**



**Program Simulation Session**





Practice Sessions







**Industrial Visit at Gargi Engineering Services, Pande, Bhor**




**Photographs during visit**

The program was well organized and ended with the vote of thanks by Prof. M. B. Bankar, Assistant Professor of Mechanical Department.

  
 Prof. M. B. Bankar  
 Coordinator

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

  
 Prof. Dr. S. B. Patil  
 Principal



**Principal**  
 Rajgad Dnyanpeeth's  
 Shri Chhatrapati Shivaji College of Engg.,  
 Dhanganedi, Pune-412 205



**Rajgad Dnyanpeeth's**  
**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**  
 S. No. 237, Satara-Pune, NH-4, Dhargawadi, Tal: Bhor, Dist: Pune  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
 Academic Year : 2022-23

**CNC Programming and Operation- Attendance**

Sr. No.	Name of the Student	Session. No																		
		Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Kadam Vaibhav Vias	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	Chavan Dnyanraj Pravin	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	Nikam Omkar Sunil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	Kadam Vaishnavi Pradip	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	Karande Omkar Santosh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	Khandalkar Shubham P.	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	Nalawade Prasad Prakash	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	Waghmare Somanath Sudam	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	Mule Sudhir Rajesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	Kamble Shubham Sudhir	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
11	Walhekar Mayur Navrath	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	Sutar Aniket Vikas	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	Harihar Kiran Dipak	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	Dhame Shrinivas Balaso	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	Yadav Karan Shankar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	Dabhoikar Atharva Gunprasad	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	Shaikh Adil Mustaq	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	Shinde Shreyash Anil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	Pisal Sanika Narayan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	Mane Dhiraj Devidas	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	Kindre Soham Jaywant	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	Jadhav Vedant Rajesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Signature of Trainer		[Signatures]																		
Signature of Co-Ordinator		[Signatures]																		
Signature of Head of Department		[Signatures]																		

Each Session Time- 2 hour





**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**  
 Academic Year : 2022-23

**CNC Programming and Operation- Attendance**

Sr. No.	Name of the Student	Session. No																		
		Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
23	Barge Sumit Dipak	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	Kumbhar Deep Laxman	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	Tanpure Kunal Chandrakant	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	Kazi Azam Raj	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	Salunkhe Tanmay Ramesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	Papal Ganesh Santosh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	Gurav Suyog Yogesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	Pawar Pratik Somnath	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	Pednekar Omkar Chandrakant	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	Khaire Saurabh Ramdas	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	Suryawanshi Ajay	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34	Raut Shubham Rhidas	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
35	Tanpure Tejas Sandip	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Signature of Trainer			<i>Papal</i>	<i>Papal</i>	<i>Papal</i>	<i>Papal</i>	<i>Papal</i>	<i>Papal</i>	<i>Papal</i>	<i>Papal</i>	<i>Papal</i>	<i>Papal</i>	<i>Papal</i>	<i>Papal</i>	<i>Papal</i>	<i>Papal</i>	<i>Papal</i>	<i>Papal</i>	<i>Papal</i>	<i>Papal</i>
Signature of Co-Ordinator			<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>
Signature of Head of Department			<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>	<i>Raut</i>

Each Session Time- 2 hour





**Rajgad Dnyanpeeth's**  
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**DEPARTMENT OF MECHANICAL ENGINEERING**

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Sr. No.	Name of the Student	Session. No																																				
		Date	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36																		
1	Kadam Vaibhav Vias	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
2	Chavan Dnyanraj Pravin	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	Nikam Omkar Sunil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	Kadam Vaishnavi Pradip	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	Karande Omkar Santosh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	Khandalkar Shubham P.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	Nalawade Prasad Prakash	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	Waghmare Somanath Sudam	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	Mule Sudhir Rajesh	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	Kamble Shubham Sudhir	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	Walhekar Mayur Navnath	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	Sutar Aniket Vikas	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	Harihar Kiran Dipak	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	Dhame Shrinivas Balaso	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	Yadav Karan Shankar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	Dabholkar Atharva Guruprasad	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	Shaikh Adil Mustaq	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	Shinde Shreyash Anil	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	Pisal Sanika Narayan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	Mane Dhiraj Devidas	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	Kindre Soham Jaywant	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	Jadhav Vedant Rajesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Signature of Trainer  
 Signature of Co-Ordinator  
 Signature of Head of Department



Each Session Three- 2 hour



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Sr. No.	Name of the Student	Session. No		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
		Date	Date																		
23	Barge Sumit Dipak	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	Kumbhar Deep Laxman	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	Tampure Kunal Chandrakant	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	Kazi Azam Raj	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	Salunke Tanmay Ramesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	Papal Ganesh Santosh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	Gurav Suyog Yogesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	Pawar Pratik Somnath	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	Pednekar Omkar Chandrakant	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	Khaire Saurabh Ramdas	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	Suryawanshi Ajay	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34	Raut Shubham Rhidas	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
35	Tampure Tejas Sandip	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Signature of Trainer		Pawar S																			
Signature of Co-Ordinator		Bhambhani																			
Signature of Head of Department		Bhambhani																			

Each Session Time- 2 hour

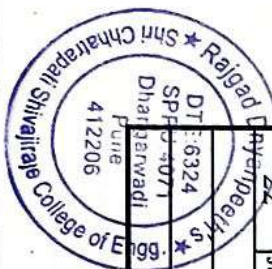




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**CNC Programming and Operation- Attendance**

Sr. No.	Name of the Student	Session. No																		
		Date	37	38	39	40	41	42	43	44	45									
1	Kadam Vaibhav Vilas	24/10	P	P	P	P	P	P	P	P	P	P								
2	Chavan Dnyanraj Pravin	24/10	A	P	P	P	P	P	P	P	P	P	P							
3	Nikam Omkar Sunil	24/10	P	P	P	P	P	P	P	P	P	P	P							
4	Kadam Vaishnavi Pradip	24/10	P	P	P	P	P	P	P	P	P	P	P							
5	Karande Omkar Santosh	24/10	A	P	P	P	P	P	P	P	P	P	P							
6	Khandalkar Shubham P.	24/10	P	P	P	P	P	P	P	P	P	P	P							
7	Nalawade Prasad Prakash	24/10	P	P	P	P	P	P	P	P	P	P	P							
8	Waghmare Somanath Sudam	24/10	P	P	P	P	P	P	P	P	P	P	P							
9	Mule Sudhir Rajesh	24/10	P	P	P	P	P	P	P	P	P	P	P							
10	Kamble Shubham Sudhir	24/10	P	P	P	P	P	P	P	P	P	P	P							
11	Walhekar Mayur Navnath	24/10	P	P	P	P	P	P	P	P	P	P	P							
12	Sutar Aniket Vikas	24/10	P	P	P	A	P	P	P	P	P	P	P							
13	Harihar Kiran Dipak	24/10	P	P	P	P	P	P	P	P	P	P	P							
14	Dhame Shrinivas Balaso	24/10	P	P	P	P	P	P	P	P	P	P	P							
15	Yadav Karan Shankar	24/10	P	P	P	P	P	P	P	P	P	P	P							
16	Dabholkar Atharva Guruprasad	24/10	P	P	P	P	P	P	P	P	P	P	P							
17	Shaikh Adil Mustaq	24/10	P	P	P	P	P	P	P	P	P	P	P							
18	Shinde Shreyash Anil	24/10	P	P	P	P	P	P	P	P	P	P	P							
19	Pisal Sanika Narayan	24/10	P	P	P	P	P	P	P	P	P	P	P							
20	Mane Dhiraj Devidas	24/10	P	P	P	P	P	P	P	P	P	P	P							
21	Kindre Soham Jaywant	24/10	P	P	P	P	P	P	P	P	P	P	P							
22	Jadhav Vedant Rajesh	24/10	P	P	P	P	P	P	P	P	P	P	P							
Signature of Trainer			P	P	P	P	P	P	P	P	P	P	P							
Signature of Co-Ordinator			P	P	P	P	P	P	P	P	P	P	P							
Signature of Head of Department			P	P	P	P	P	P	P	P	P	P	P							



Each Session Time- 2 hour



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**DEPARTMENT OF MECHANICAL ENGINEERING**

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**CNC Programming and Operation - Attendance**

Sr. No.	Name of the Student	Session. No																		
		Date	37	38	39	40	41	42	43	44	45									
23	Barge Sumit Dipak	24/12	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	Kumbhar Deep Laxman		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	Tanpure Kunal Chandrakant		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	Kazi Azam Raj		P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	Salunke Tanmay Ramesh		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	Papal Ganesh Santosh		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	Curav Suyog Yogesh		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	Pawar Pratik Somnath		P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	Pednekar Omkar Chandrakant		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	Khairre Saurabh Ramdas		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	Suryawanshi Ajay		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34	Raut Shubham Rhidas		P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
35	Tanpure Tejas Sandip		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
		Signature of Trainer																		
		Signature of Co-Ordinator																		
		Signature of Head of Department																		

Each Session Time- 2 hour





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**FEEDBACK FORM**

**Training Program on "CNC Programming and Operation"**

Sr No.		Excellent	V. Good	Good	Average	Poor
1	Depth of Knowledge	✓				
2	Delivered Quality		✓			
3	Software and Simulation	✓				
4	Level of understanding	✓				
5	Satisfied with Workshop		✓			

**Suggestions:** We would like to attained this type of program further.

**Name and Student Signature:**

Pisal sanika. Narayan







Rajgad Dnyanpeeth's  
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**DEPARTMENT OF MECHANICAL ENGINEERING**

**FEEDBACK FORM**

Training Program on "CNC Programming and Operation"

Sr No.		Excellent	V. Good	Good	Average	Poor
1	Depth of Knowledge	✓				
2	Delivered Quality	✓				
3	Software and Simulation		✓			
4	Level of understanding	✓				
5	Satisfied with Workshop		✓			

Suggestions: all sessions are informatives & practical oriented.  
 Practical sessions & industrial visit were well organized.

Name and Student Signature: Khaire Saurabh Ramdas.

*Khaire*



एसीजी कौशल्य विकास केंद्र

# कौशल्य विकास प्रशिक्षण कार्यक्रम

## प्रमाणपत्र

CSR/04230439



प्रमाणित करण्यात येते, की सानिका नारायण पिस्ताळ यांनी एसीजी कौशल्य विकास केंद्र द्वारा भित्कॉर्न पोस्टम फॉर सोशल इन्व्हलपमेंट टर्क दि. १७/०९/२०२३ ते ३१/०३/२०२३ या कालावधीमध्ये शिरवळ येथे सीएनसी आणि व्हीएनसी ऑपरेटर कौशल्य विकास प्रशिक्षण कार्यक्रम यशस्वीरित्या पूर्ण केला आहे.

*Dr. J. J. J. J.*

सुनिल कुमार

विभाग प्रमुख - सी एस आर

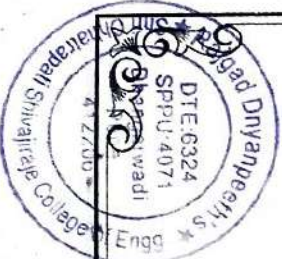
एसीजी केंअर्स फाउंडेशन, मुंबई

*Dr. J. J. J. J.*

चंद्रशेखर भोवले

वरिष्ठ उपाध्यक्ष

भित्कॉर्न, पुणे



एसीजी कौशल्य विकास केंद्र

कौशल्य विकास प्रशिक्षण कार्यक्रम



CSR/04230443

प्रमाणपत्र

प्रमाणित करण्यात येते, की सुमीत दिपक बर्गे यांनी एसीजी कौशल्य विकास केंद्र द्वारा मिटकॉन  
कोर्सम फॉर सोशल डेव्हलपमेंट तर्फे दि. १७/०९/२०२३ ते ३१/०३/२०२३ या कालावधीमध्ये  
शिरवळ येथे सीएनसी आणि व्हीएमसी ऑपरेटर कौशल्य विकास प्रशिक्षण कार्यक्रम  
यशस्वीरित्या पूर्ण केला आहे.

*Signature*

सुनिल कुमार

विभाग प्रमुख - सी एस आर  
एसीजी केंद्र फाउंडेशन, मुंबई

*Signature*

चंद्रशेखर भोसले  
वरिष्ठ उपाध्यक्ष  
मितकॉन, पुणे



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

Ref. No.- RD/SCSCOE/198 /2022-23

Date- 31/03/2023

To

Prof. Pramod Ganpat Patole,  
CNC Operations & Programming, TOT

Subject- Letter of gratitude...


Dear Sir,

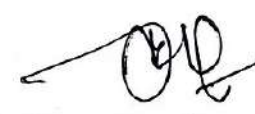
This is an appreciation for your valuable time and interest in conduction of 90 Training Program on "CNC Programming and Operation" organized by Department of Mechanical Engineering, Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi from Tuesday, 17<sup>th</sup> January 2023 to Friday, 31<sup>st</sup> March 2023 in association with MITCON for our students.

Around 35 students from Department of Mechanical Engineering were present for the valuable sessions. As per student feedback all the sessions was beneficial to enhance their knowledge and skills in this particular area.

We are thankful for sharing your valuable time for our students and hope you will extend the same cooperation in future also.

Thanking you.

  
**Head of Department**  
Dept. of Mechanical Engineering  
Shri Chh. Shivajiraje College of Engg.  
Dhangawadi, Pune-412206

  
**Principal**  
Principal  
Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engg.,  
Dhangawadi, Pune-412206



Received





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,

॥ वाचनेने विद्यायाः प्रसादात् ॥



Since-1972

Anantrao Thopte  
Founder President, Ex. Edu. Minister

Sangram Thopte  
MLA, Executive President

Sau. Swarupa S. Thopte  
Hon. Secretary

Dr. S. B. Patil  
Principal

Ref. No. - RD/SCSCOE/199 /2022-23

Date- 31/03/2023

To

Mr. Atul Shinde, Director


Gargi Engineering Services, Pande, Bhor


Subject- Letter of gratitude...

Dear Sir,

With reference to the today's Industrial Visit at your esteemed organization at Gargi Engineering Services, Pande, Bhor as a Part of Study Tour for CNC Programming and Operations on 31<sup>st</sup> March 2023 for our students. This visit will enhance their knowledge and skills in Computer Integrated Manufacturing area. Once again we are thanking you and your staff for your kind cooperation. We hope this will continue in future.

Thanking you.

  
**Head of Department**  
Dept. of Mechanical Engineering  
Shri Chh. Shivajiraje College of Engg.  
Dhangawadi, Pune-412206

  
**Principal**

**Principal**  
Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engg.,  
Dhangawadi, Pune-412206

*Subba Received  
Thankyou.*

