



Rajgad Dnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

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

### Criteria3: Research, Innovations and Extension

#### Key Indicator-3.1 – Resource Mobilization for Research

#### 3.1.3 Number of Seminars/conferences/workshops conducted by the institution during the year 2022-2023

Sr. No.	Name of Workshop/Seminar	Name of Department	Date	No of participants
1	Guest Lecture on , "Research Methodology"	Computer Engineering	17/10/2022 To 17/10/2022	60
2	Guest Lecture on , "Machine Learning"	Computer Engineering	06/02/2023 To 06/02/2023	68
3	Workshop on "Research Methodology"	Mechanical Engineering	13/01/2023 To 13/01/2023	25
4	Workshop on "Impact of Patents on Carrier"	E&TC Dept. in Association with Innovation Cell	09/05/2023 To 09/05/2023	380
5	Three Day Workshop on "Arduino Programming and Interfacing"	E&TC Dept. in Association with Innovation Cell	05/12/2022 To 07/12/2022	105
6	Workshop on "Challenges in Start Up Venture"	Civil Dept. in Association with Training and Placement Cell	15/09/2022 To 15/09/2022	75
7	Guest Lecture on "Business Communication Skill"	Civil Dept. in Association with Training and Placement Cell	18/02/2023 To 18/02/2023	75



**Principal**  
Rajgad Dnyanpeeth's  
Shri Chhatrapati 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 (Maharashtra)

**REPORT OF GUEST LECTURE ON Research Methodology**

**TOPIC** : **“GUEST LECTURE ON Research Methodology”**  
**DAY/DATE** : 17/10/2022. Monday  
**DURATION OF EVENT** : 12:00 am to 1:00 pm

**OBJECTIVE**

1. Provide student a conceptual overview of “Research Methodology”
2. Understand and use essential technique of “Research Methodology”

**SUMMARY**

The guest lecture has started with Mr.Anwar M. Mulla briefing the students about “Research Methodology” 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.

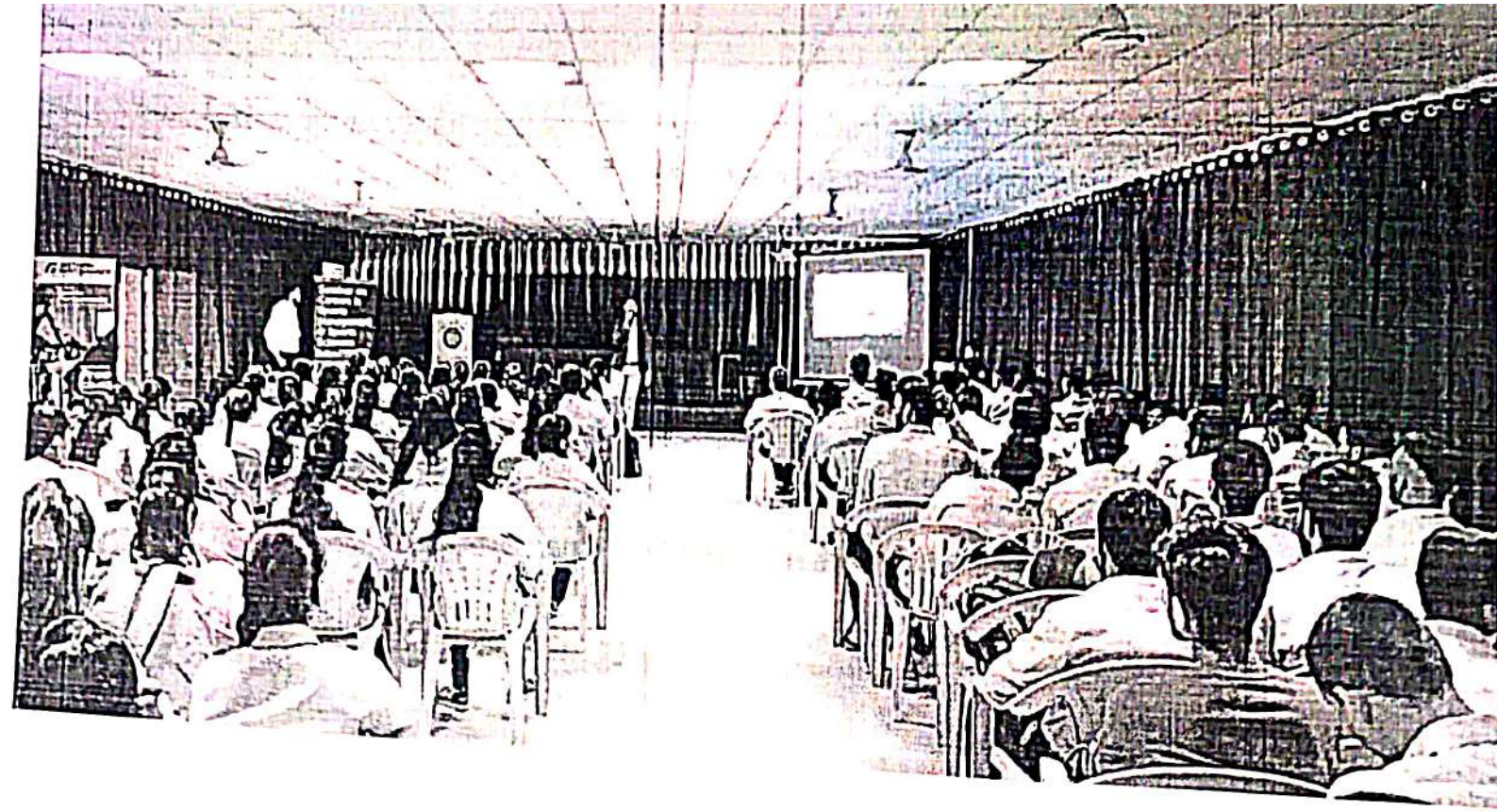
The lecture covered the basic techniques that help students to build and apply prediction function with an emphasis on practical applications.

The course outcome of the guest lecture:

1. Familiarize the functional/operational aspects of “Research Methodology”.
2. Understand emerging abstract models for “Research Methodology”.

The guest shared information on the Research Methodology Language and its scope. He described the Categories of Research Methodologies Like Quantitative Research , Qualitative Research, Descriptive Research, Analytical Research, Applied Research. He also explained the students on how to get started with Research and find perfect solution on researched Topics. The session was extremely interesting for the students and they got an opportunity to hear and learn from an industry stalwart. The session was concluded by thanking the dignitaries and honoring them with a Memento.





*Bhatti*

Prof. B. R. Bhatti  
Co-ordinator



*B D T*

Prof. B. D. Thorat  
HOD



Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engineering  
Dhangwadi, Tal-Bhor, Dist. - Pune - 412206.  
Department of Computer Engineering

PERMISSION LETTER

Date- 10/10/2022

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

**Subject:** Regarding permission of Guest Lecture on Research Methodology & Sanctioning of remuneration.

Respected sir,

Computer Department is going to conduct Guest Lecture on "Research Methodology" for T.E students.

Mr. 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.	Tuesday	17/10/2022	Guest Lecture on Research Methodology	T.E (Computer)

Kindly Sanction the remuneration of total amount Rs. 2000/-

Thanking you.

*Bhatti*  
Prof. B. R. Bhatti  
Coordinator



*B.D.T.*  
Prof. B. D. Thorat  
HOD

*Allowed  
to 2000/-  
10/10/22*



Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engineering  
Dhangwadi, Tal-Bhor, Dist. – Pune – 412206.  
Department of Computer Engineering

Department of Computer Engineering

Date- 11/10/2022

**NOTICE**

All T.E students are hereby informed that Computer Department has organized a Guest Lecture on “Research Methodology” on 17th of OCT 20232 at 12:00 am to 1:00 pm.

Note:

1. Guest Lecture will be offline
2. Attendance is mandatory to all
3. Guest Lecture will start and end as per schedule time.

*Bhatti*

Prof. B. R. Bhatti

Coordinator

*B.D.T.*

Prof. B. D. Thorat

H. O. D





**Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engineering  
Dhangwadi, Tal-Bhor, Dist. – Pune – 412206.  
Department of Computer Engineering**

**INVITATION LETTER**

**Date- 12/10/2022**

To

**Mr. Anwar M. Mulla,**

**Principal**

**Dr. Daulatrao Aher College of Engineering, Karad.**

**Subject: Invitation for conducting Guest Lecture on "Research Methodology"**

Respected sir,

This gives Department of Computer Department of SCSCOE, great pleasure to request you to conduct Guest Lecture on "Research Methodology" for T.E students of SCSCOE in RDTC-SCSCOE, Dhangawadi.

We will be thankful to you if you can schedule on 17th of OCT 2022.

Waiting for your positive reply.



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

CONDUCTION LETTER


Date-17/10/2022

To  
Mr. Anwar M. Mulla  
Principal  
Dr.Daulatrao Aher College of Engineering,Karad.

We express our immense gratitude for having you at our college to conduct a fabulous Guest Lecture on “Research Methodology” .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)



**Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engineering  
Dhangwadi, Tal-Bhor, Dist. – Pune – 412206.  
Department of Computer Engineering**

**Guest Lecture on "Research Methodology"**

**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?	We are looking forward to organize hands on workshop for machine learning			
7. Would you recommend this course to other students?	Yes			
Any Other Comments- It is very helpful to all. I really like this guest lecture.				

*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

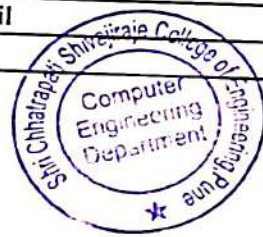
Academic Year: 2022-23

Guest Lecture Attendance Sheet

Class: TE

Date

S. No	Roll No.	Student Name	Signature
1	TCO20F01	Badadhe Damayanti Dnyandev	
2	TCO20F02	Bandal Rutuja Dattatray	
3	TCO20F03	Bhandari Anuradha Mallayya	
4	TCO20F04	Bhome Akash Rajendra	
5	TCO20F05	Bhosale Sanket Pradip	
6	TCO20F06	Bhosale Suraj Dadaso	
7	TCO20F07	Bhujbal Shravan Vijaykumar	
8	TCO20F08	Chourasiya Darshan Rajesh	
9	TCO20F09	Deshmukh Hema Tanaji	
10	TCO20F10	Deshmukh Sanika Parag	
11	TCO20F11	Deshmukh Suyash Dilip	
12	TCO20F12	Deshpande Amey Chintamani	
13	TCO20F13	Dhamal Sejal Sunil	
14	TCO20F14	Gadhawe Rohit Sudhir	
15	TCO20F15	Gaikwad Akshada Ajit	
16	TCO20F16	Gaikwad Sakshi Abasaheb	
17	TCO20F17	Ganeshkar Gayatri Anil	
18	TCO20F18	Gawade Nikita Mahendra	
19	TCO20F19	Ghodekar Suyog Bhagwan	
20	TCO20F20	Jadhav Neha Santosh	
21	TCO20F21	Jadhav Rupa Dattatray	
22	TCO20F22	Jagtap Mayur Sanjay	
23	TCO20F23	Jagtap Sayali Sunil	
24	TCO20F24	Jamadar Asim Zhakirhusen	
25	TCO20F25	Jankar Tejswini Vijay	
26	TCO20F26	Kale Renuka Nivrutti	
27	TCO20F27	Kamble Priyanka Shankar	
28	TCO20F28	Katkar Yash Pramod	
29	TCO20F29	Khopade Bhagyashree Shantaram	
30	TCO20F30	Kondhalkar Mangesh Shashikant	
31	TCO20F31	Kudale Harshada Bharat	
32	TCO20F32	Medhekar Prajakta Ulhas	
33	TCO20F33	Mokashi Shreyash Jaywant	
34	TCO20F34	Pawar Sanket Mohan	
35	TCO20F35	Pujari Mahesh Mandappa	
36	TCO20F36	Rajiwade Karan Anil	
37	TCO20F37	Raut Aniket Sanjay	



38	TCO20F38	Salunke Gauri Dattatray	Gauri
39	TCO20F39	Salunkhe Sakshi Sandip	Sakshi
41	TCO20F41	Sankpal Yogesh Ashok	Sankpal
42	TCO20F42	Shahane Mandar Mangesh	Mandar
43	TCO20F43	Shaikh Nilofar Abbas	Shaikh
45	TCO20F45	Shinde Rashmi Ravindra	Rashmi
46	TCO20F46	Shinde Yash Pradip	Shinde
47	TCO20F47	Tanpure Sneha Pradip	SNP
48	TCO20F48	Tarade Shreyash Jagannath	
49	TCO20F49	Ubhe Akash Avinash	Akash Ubhe
50	TCO20F50	Vedpathak Vaishnavi Sharad	Vedpathak
51	TCO20F51	Vishwakarma Rohit Pappu	Rohit
52	TCO20F52	Vitkar Pandurang Datta	Vitkar
53	TCO20F53	Wavhal Pranav Sachin	P. S. Wavhal
54	TCO21D54	Talekar Prerana Vijay	
55	TCO21D55	Ubale Atharva Prashant	ARU
56	TCO21D56	Jagtap Vaishnavi Sanjay	Jagtap
57	TCO21D57	Danavale Vaishnavi Santosh	Danavale
58	TCO21D58	Malusare Shamal Mukund	S. M. Malusare
59	TCO21D59	Dharpale Nikita Ankush	Nikita
60	TCO21D60	Gavhane Sanika Dasharath	Gavhane
61	TCO21D61	Dhamal Nikita Himmat	Dhamal
62	TCO21D62	Pawar Akanksha Ashok	Pawar
63	TCO21D63	Dhumal Sanika Kanhaiyalal	Dhumal
64	TCO21D64	Bhosale Sayali Pravin	Bhosale
65	TCO21D65	Salvi Sankita Sudhakar	Salvi
66	TCO21D66	Vhanmane Revansidh Mahadev	
67	TCO21D67	Deep Shah	Deep Shah
68	TCO21D68	Vatte Apeksha Sanjay	Vatte
69	TCO21D69	Vanjari Vishwajeet Sampat	Vanjari
70	TCO21D70	Kamble Akshay Babu	Kamble
71	TCO21D71	Bhandare Karan Sunil	Bhandare
72	TCO21D72	Chinchakar Giridhar Ramesh	Chinchakar
73	TCO21D73	Malekar Pratiksha Sharad	Malekar
74	TCO21D74	Bhapkar Vaishnavi Dadasaheb	Bhapkar
75	TCO21D75	Jarad Devyani Vishwas	
76	TCO21D76	Yadav Rutuja Deepak	Y. Rutuja
77	TCO21D77	Shreeharsh Suhas Puntambekar	Shreeharsh

Class Teacher  
Prof. S. B. Shirke

Head of Department  
Prof. B. D. Thorat



Rajgad Dnyanpeeth's

**SURECHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**  
 Old No. 237, Pune-Bangalore Highway, Dhungawadi, Tal - Bhur, Dist- Pune (Maharashtra)

**REPORT OF GUEST LECTURE ON PYTHON PROGRAMMING**

**TOPIC** : **"GUEST LECTURE ON Machine Learning"**  
**DAY/DATE** : 06-02-2023, Monday  
**DURATION OF EVENT** : 11:00 am to 1:00 pm

**OBJECTIVE**

1. Provide student a conceptual overview of "Machine Learning"
2. Understand and use essential technique of "Machine Learning"

**SUMMARY**

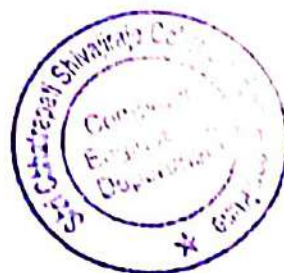
The guest lecture has started with Shallesh Patil briefing the students about "**Machine Learning**" and then provided the students with some free sources and sites from which they can get more information about the topic and probably can make something good out of it. Prof B. D. Thorat(Head of Department) welcome the Guest Mr. Shallesh Patil.

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

The course outcome of the guest lecture:

1. Familiarize the functional/operational aspects of "**Machine Learning**".
2. Understand emerging abstract models for "**Machine Learning**".

The guest shared information on the **Machine Learning** and its scope. He described the difference between **Machine Learning** and other Programming Languages. He also explained the students on how to get started with **Machine Learning**, define functions, library files available etc. The session was extremely interesting for the students and they got an opportunity to hear and learn from an industry stalwart. The session was concluded by thanking the dignitaries and honoring them with a Memento.





*Bhatti*

Prof. B. R. Bhatti  
Co-ordinator

*BT*

Prof. B. D. Thorat  
HOD





Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engineering  
Dhangwadi, Tal-Bhor, Dist. – Pune – 412206.  
Department of Computer Engineering

PERMISSION LETTER

Date- 24/01/2023

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

**Subject: Regarding permission of Guest Lecture on "Machine Learning"**

Respected sir,

Computer Department is going to conduct Guest Lecture on "Machine Learning" for B. E students.

Mr. Shailesh Patil 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.	Monday	06-02-2023	Guest Lecture on Machine Learning	B. E. (Computer)

Kindly Sanction the remuneration of total amount Rs. 2000/-

Thanking you.

*Bhatti*

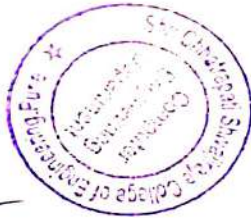
Prof. B. R. Bhatti

Coordinator

*B. D. Thorat*

Prof B. D. Thorat

HOD



*Approved to zero*

*29/01/23*



Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engineering  
Dhangwadi, Tal-Bhor, Dist. – Pune – 412206.  
Department of Computer Engineering

Department of Computer Engineering

Date- 27/01/2023

NOTICE

All B.E students are hereby informed that Computer Department has organized a Guest Lecture on "Machine Learning" on 6<sup>th</sup> February 2023 at 11:00 am to 1:00 pm.

Note:

1. Guest Lecture will be offline
2. Attendance is mandatory to all
3. Guest Lecture will start and end as per schedule time.

*Bhatti*

Prof. B. R. Bhatti

Coordinator

*B.D.T.*

Prof. B. D. Thorat

H. O. D





Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engineering  
Dhangwadi, Tal-Bhor, Dist. – Pune – 412206.  
Department of Computer Engineering

INVITATION LETTER

Date- 31/01/2023

To

Mr. Shailesh Patil,

Infosys,

Pune

Subject: Invitation for conducting Guest Lecture on "Machine Learning"


Respected sir,

This gives Department of Computer Department of SCSCOE, great pleasure to request you to conduct Guest Lecture on "Machine Learning" for B. E students of SCSCOE in RDTC-SCSCOE, Dhangawadi.

We will be thankful to you if you can schedule on 6<sup>th</sup> February 2023.

Waiting for your positive reply.



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



Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engineering  
Dhangwadi, Tal-Bhor, Dist. – Pune – 412206.  
Department of Computer Engineering

CONDUCTION LETTER

Date-06/02/2023

To


Mr. Shailesh Patil,

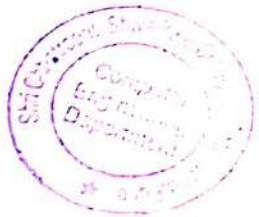
Infosys,

Pune

We express our immense gratitude for having you at our college to conduct a fabulous Guest Lecture on "Machine Learning" .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)







Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engineering  
Dhangwadi, Tal-Bhor, Dist. – Pune – 412206.  
Department of Computer Engineering

Guest Lecture on "Machine Learning"

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?	We are looking forward to organize hands on workshop for machine learning			
7. Would you recommend this course to other students?	Yes			
Any Other Comments- I really like this seminar. lots of information was shared ↳ guest.				



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:

DEPARTMENT OF COMPUTER ENGINEERING

Academic Year: 2022-23

Geuest Lecture Attendance Sheet

Class: BE

Date

S. No	Roll No.	Student Name	Signature
1	BCO19F001	Asfiyan Nazim Attar	
2	BCO20D002	Bait Rukshita Dinesh	
3	BCO19F003	Bhelke Shereya Umesh	
4	BCO20D004	Bhingare Isha Dilip	
5	BCO20D005	Bhosale Shweta Sharad	
6	BCO19F006	Bobade Prachi Santosh	
7	BCO19F007	Borane Shubham Sandip	
8	BCO20D008	Borsare Shubham Tarudutta	
9	BCO18F009	Chavan Ritambara Shankar	
10	BCO19F010	Dabade Suyash Sunil	
11	BCO20D011	Dere Sunanda Muktaram	
12	BCO20D012	Devgirikar Vidya Sambhaji	
13	BCO19F013	Dhadave Ajinkya Rohidas	
14	BCO19F014	Dhadve Pragati Uddesh	
15	BCO20D015	Dighe Supriya Dattatray	
16	BCO20D016	Gaikwad Puja Balkrushna	
17	BCO19F017	Gaikwad Shubhangi Suryakant	
18	BCO18F018	Gaikwad Sushil Pandurang	
19	BCO19F019	Garud Akshada Anil	
20	BCO19F020	Gawali Kartik Rakesh	
21	BCO18F021	Gorad Akshada Rajendra	
22	BCO20D022	Gujar Sayali Satish	
23	BCO20D023	Ingale Yash Sudhir	
24	BCO19F024	Ithape Shreya Santosh	
25	BCO19F025	Jadhav Dhiraj Anna	
26	BCO20D026	Jadhav Harshad Arjun	
27	BCO20D027	Jadhav Shweta Yashwant	
28	BCO19F028	Jagdale Harshada Shivaji	
29	BCO20D029	Jagtap Gauravi Sopan	
30	BCO20D030	Kachi Aditi Jagdish	
31	BCO19F031	Kaluse Sahil Sanjay	
32	BCO18F032	Kamble Prashant Mohan	
33	BCO19F033	Kanade Datta Chetan	
34	BCO20D034	Kanade Omkar Rajesh	
36	BCO19F036	Khandale Kiran Prakash	
37	BCO19F037	Khopade Ajit Dattatraya	
38	BCO17F038	Kinhale Kajal Mohan	

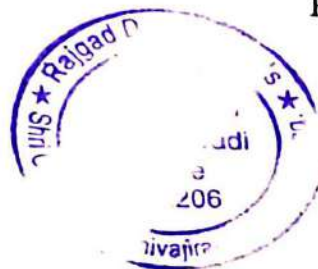


39	BCO19F039	Kirve Makrand Shashikant	
40	BCO19F040	Koli Gaurav Rajendra	KOLIG
41	BCO19F041	Korade Tujay Kamlakar	
42	BCO20D042	Kshirsagar Akash Mahesh	
43	BCO19F043	Kshirsagar Prathamesh Dilip	
44	BCO20D044	Kshirsagar Vaibhav Mohan	Prs. wadkar
45	BCO19F045	Kumbhar Rutuja Dattatraya	
46	BCO19F046	Lawande Swapnil Bhalchandra	
47	BCO19F047	Mahandave Kunal Dilip	Kunal
48	BCO20D048	Mandhare Rupali Laxman	
49	BCO20D049	More Preeti Arvind	
50	BCO19F050	Munde Abhijeet Bhagwat	A. B. munde
51	BCO19F051	Padale Tejas Chandrakant	
52	BCO19F052	Pandit Akash Fakirchand	
53	BCO18F053	Patankar Samarjeet Satish	
54	BCO20D054	Patil Vaishnavi Devendra	Patil
55	BCO20D055	Pawar Mayur Ravindra	
56	BCO20D056	Pawar Snehal Sunil	§
57	BCO20D057	Pophale Kishori Vijay	
58	BCO19F058	Raut Pooja Sharad	R. P. sharma
60	BCO19F060	Saste Shubham Jalindar	
61	BCO19F061	Shedge Pooja Sambhaji	
62	BCO19F062	Shilimkar Ashwini Vijay	A. V. Shilimkar
63	BCO20D063	Shilimkar Namrata Rajendra	MRS
64	BCO19F064	Shinde Dipak Naresh	
65	BCO19F065	Shinde Sandhya Prabhat	
66	BCO19F066	Shivtare Harshada Sanjay	
67	BCO18F067	Sonawane Shivam Laxman	
68	BCO20D068	Sonwane Sonal Eknath	SSI
69	BCO19F069	Suryawanshi Aniket Sunil	A. S. Suryawanshi
70	BCO19F070	Suryawanshi Komal Bhanudas	
71	BCO20D071	Theurkar Priyadarshan Dnyanoba	
72	BCO20D072	Thombare Chandan Shekhar	
73	BCO19F073	Todkar Omkumar Murlidhar	
74	BCO19F074	Umbarkar Kunal Sunil	
75	BCO20D075	Wadkar Mohini Sanjay	
76	BCO20D076	Walekar Abhinav Navnath	m. s. wadkar
77	BCO19F077	Yele Pratiksha Jagdish	
78	BCO19F078	Yewale Yash Dattatray	
79	BCO18D079	Jadhav Avinash Hanumant	

*Marne*

Class Teacher  
Prof. P. M. Marne

Head of Department  
Prof. B. D. Thorat





Rajgad Dnyanpeeth's

**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**

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

3

## One day Workshop Report on “Research Methodology”

1. Program type: Workshop
2. Event Name: “Research Methodology”
3. Attendees: Faculties in the institute.
4. Name and Designation of Resource Person : Dr.G. D. Bhutkar  
Coordinator, Centre of Excellence in Human-Computer Interaction (HCI), Assistant Head (Research) & Associate Professor, Department of Computer Engineering at Vishwakarma Institute of Technology (VIT).
5. Company / Institute of Resource Person: Vishwakarma Institute of Technology (VIT), Pune.
6. Event coordinator: Prof. Swanand Pasalkar and Prof. R.S. Nipanikar
7. Day & Date of Execution: Friday, 13<sup>th</sup> Jan 2023,
8. Time: 2 pm to 4 pm
9. Duration of Event: 2 hrs
10. Venue of event / Link: online link:  
<https://meet.google.com/cim-xvwi-xyg>
11. Number of Participants: 40
12. Fee details: Free
13. Objectives: Shed light on Research Methodology.
14. Outcomes: All participants understood the importance of review of literature and writing it correctly and what needs to be kept in mind while formulating the hypothesis.





Rajgad Dnyanpeeth's

# SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

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

## Description (program conduction details) / speaker topic explanation:

The startup and innovation cell, organized a webinar on "Research Methodology" on 13<sup>th</sup> January 2023 from 2.00 PM to 4.00 PM. Resource person for the guest lecture was Dr. G. D. Bhutkar. He is a Usability Researcher and Academician. He is a Coordinator, Centre of Excellence in Human-Computer Interaction (HCI) and also, Assistant Head (Research) & Associate Professor, Department of Computer Engineering at Vishwakarma Institute of Technology (VIT), Pune, India. His research work is mainly focused on HCI, Artificial Intelligence, Medical Usability and Assistive Technology. He has a Ph.D. in HCI from Indian Institute of Technology (IIT), Bombay. As per the feedback received from the faculties, it was a very good learning experience.

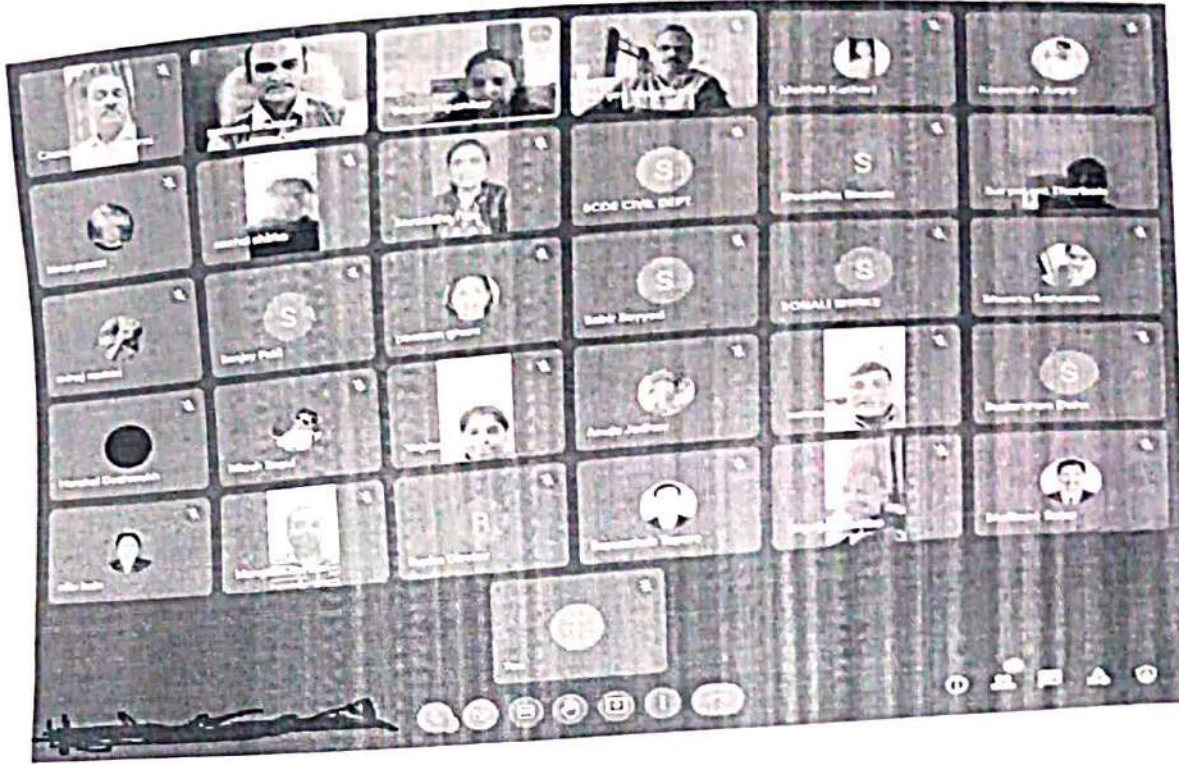
The word research has two parts re (again) and search (find) which denote that we are taking up an activity to look into an aspect once again or we want to look for some new information about something. He told about Research is conducted with a purpose to:

- Identify potential and new customers
- Understand existing customers
- Set pragmatic goals
- Develop productive market strategies
- Address business challenges
- Put together a business expansion plan
- Identify new business opportunities

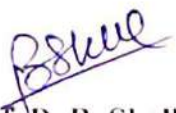
He also mentioned that Exploratory, Descriptive and Explanatory are the three main purposes of Research. Apart from this. He explained that the Research can be classified into Fundamental and decisional Research on the basis of Application, Descriptive and co-relational on the basis of Objectives, Structural and unstructured on the basis of inquiry mode, and Analytical, Fundamental, Qualitative, Quantitative, Empirical Research are other Researches.


**Conclusion:** The Workshop covered all aspects of research like, from identifying a research problem, to formulating a research problem, developing a research design, developing a research hypothesis, preparing questionnaire and interview schedule, collecting data, doing data analysis, doing qualitative research, case study, phenomenology and finally report writing.






**Question and answers session**

  
 Prof. D. B. Shelke  
 Co-ordinator

  
 Prof. S. K. Pawar  
 HOD(Mech)  
**Head of Department**  
 Dept. of Mechanical 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





RajgadDnyanpeeth's

**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**  
S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhore, Dist: Pune -412205  
(MS),

Ref. No. SCSCOE/ 2022 -23/

Date: 4<sup>th</sup> Jan 2023

**PERMISSION LETTER**

To,  
The Principal,  
RajgadDnyanpeeth's  
Shri Chhatrapati College of Engineering  
Dhangawadi, Pune

**Subject:** Permission for conducting one day workshop on "Research Methodology"

Respected Sir,

We would like to conduct a one day workshop on "Research Methodology" for faculties of our Institute through Mechanical Engineering department.

The main objective of the program is to Shed light on Research Methodology

The resource person will be Dr. G. D. Bhutkar Coordinator, Centre of Excellence in Human-Computer Interaction (HCI), Assistant Head (Research) & Associate Professor, Department of Computer Engineering at Vishwakarma Institute of Technology (VIT).


It gives us great pleasure to invite him as a resource person for above said workshop. Kindly, allow us for the workshop and sanction the remuneration amount of Rs.5000.

Thanking You.

Yours truly,

  
Prof. D. B. Shelke  
Co-ordinator



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



RajgadDnyanpeeth's

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

Ref.: RD/SCSCOE/DA/2020-2021/02

Date: 23/12/2020

## INVITATION LETTER

To,

Dr.G. D. Bhutkar

Coordinator, Centre of Excellence in Human-Computer Interaction (HCI),  
Assistant Head (Research) & Associate Professor, Department of Computer  
Engineering at Vishwakarma Institute of Technology (VIT).

**Subject:** Invitation for conducting one day workshop on "Research Methodology" on 13<sup>th</sup> Jan  
2023.

Dear Sir,

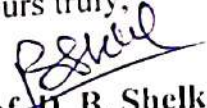
Our department of Mechanical Engineering is going to organise a one day Workshop on  
"Research Methodology" on 13<sup>th</sup> Jan 2023 for faculties of the Institute.


Considering your expertise and experience in the same field, it gives us immense pleasure to  
invite you as a guest speaker for above said workshop.

Kindly, accept the invitation and acknowledge the same.


Thanking You.

Yours truly,

  
Prof. D. B. Shelke  
Co-ordinator

  
Prof. S. K. Pawar

**HOD(Mech)**  
**Head of Department**  
Dept. of Mechanical 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, Dhangawadi, Tal: Bhor, Dist: Pune

Date:-11/01/2023

**Notice**

All staff members are hereby informed that, our college is going to organize one day workshop on **Research Methodology**.

Speaker for the session is **Dr. G.D. Bhutkar**, Assistant Head Research and Associate Professor VIT, Pune.

Link :- <https://meet.google.com/cim-xvwi-xyg>

Day & Date :- Friday, 13/01/2023.

Time :- 11.00 am.

Attendance is mandatory to all staff.

  
Prof. D. B. Shelke

Co-ordinator

  
Prof. S. K. Pawar

HOD(Mech)

**Head of Department**  
Dept. of Mechanical 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





RajgadDnyanpeeth's

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

Ref.: RD/SCSCOE/DA/2022-2023/ 02

Date: 13/01/2023

## APPRECIATION LETTER

To,

Dr.G. D. Bhutkar


Coordinator, Centre of Excellence in Human-Computer Interaction (HCI),  
Assistant Head (Research) & Associate Professor, Department of Computer  
Engineering at Vishwakarma Institute of Technology (VIT).

On behalf of the RajgadDnyanpeeth's Shri Chhatrapati College of  
Engineering Dhangwadi, Pune, we wanted to express our deep gratitude to you for  
conduction of Workshop on the topic "Research Methodology" on 13<sup>th</sup> Jan 2023. 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 webinar successful, and we expecting your  
continues support in future also.

Your's Trully,

  
Prof. D. B. Shelke  
Co-ordinator

  
Prof. S. K. Pawar  
HOD(Mech)

**Head of Department**  
Dept. of Mechanical 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, Dhangawadi, Tal: Bhore, Dist: Pune

**Workshop On**  
**“Impact of Patents on Carrier”**

**(09<sup>th</sup> May 2023)**

**Organized By**

Department of Electronics and Telecom. Engineering

**In association with**  
**(Institute's Innovation Cell)**

**SavitribaiPhule Pune  
University Pune, India**





**Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engineering, Dhangwadi  
Department of Electronics and Telecommunication Engineering  
Institute Innovation Cell**

**Report on One-Day Online Workshop: Impact of Patents on Career**

Date: 12/05/2023

**Introduction:**

The Department of Electronics & Telecommunication Engineering, in collaboration with the Institutions Innovation Cell, Government of India, and the Indian Patent Office under the NIPAM Scheme, successfully organized a one-day online workshop on the "Impact of Patents on Career." The workshop aimed to provide valuable insights into the significance of patents in the field of engineering and their profound impact on professional growth and innovation.

**Key Organizers:**

- Department of Electronics & Telecommunication Engineering
- Institutions Innovation Cell
- Government of India
- Indian Patent Office under the NIPAM Scheme

**Date and Mode of Conduction:**

The workshop took place on 9/5/2023, utilizing an online mode for seamless participation. This allowed students and faculty members to join from the comfort of their locations.



#### Speaker:

Mr. Akhil Singhal, a Gazetted 'A' Officer from the Indian Patent Office and an inventor of 70+ patents, served as the distinguished speaker. His expertise added substantial value to the workshop, providing participants with a comprehensive understanding of patents and their impact on careers.

#### Participants:

The workshop welcomed participants from various engineering branches, including both diploma and degree students, along with compulsory attendance for faculty members. This diverse participation ensured a broad spectrum of perspectives and engagement throughout the event.

#### Workshop Content:

The workshop covered essential topics, including the basics of patents, the role of patents in engineering careers, and insightful case studies showcasing successful integration of patents in industry. The Q&A session with **Mr. Akhil Singhal** provided a unique opportunity for participants to interact directly with an expert in the field.

#### Certification:

After the successful completion of the program and submission of feedback, participants were eligible to receive a certificate issued by the Government of India, adding significant value to their academic and professional profiles.

#### Registration:

The online registration process was streamlined through a dedicated form, ensuring efficient communication and coordination. The link for registration was widely circulated among the student and faculty community.

#### Conclusion:


The one-day online workshop on the impact of patents on careers was a resounding success, offering participants valuable insights, knowledge, and interaction with a seasoned professional in the field. The collaborative effort of the Department of Electronics & Telecommunication Engineering, Institutions





Innovation Cell, Government of India, and the Indian Patent Office created a platform for meaningful learning and engagement.

**Acknowledgments:**

We extend our gratitude to Mr. Akhil Singhal for sharing his expertise and to all participants for their active involvement. Special thanks to Prof. S.D. Pasalkar, Prof. S.R. Nalage, Prof. T.M. Dudhane, and Prof. Dr. S.B. Patil for their instrumental roles in organizing and coordinating this enlightening workshop.

  
Prof S.D.Pasalkar.  
Member- IIC

  
Prof. S.R. Nalage.  
Vice President IIC.

  
Prof. T.M.Dudhane  
HoD, E&TC Department.

  
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

Approved by AICTE-New Delhi & DTE-Mumbai, Recognized by Govt. of Maharashtra,  
Affiliated to Savitribai Phule Pune University, Pune  
Email : sscscoe@gmail.com, principal@rajgad.edu.in Website : www.rajgad.edu.in



## Department of Electronics & Tele- Communication Engineering



INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of HRD Initiative)

In the collaboration with  
Institutions Innovation Cell



INTELLECTUAL  
PROPERTY INDIA  
PATENTS | DESIGNS | TRADE MARKS  
GEOGRAPHICAL INDICATIONS

Organising  
One day Workshop On

## Impact of Patents on Career



**Mr. Akhil Singhal**

Indian Patent Office Gazetted 'A' Officers  
and (Inventor of 70+ Patents)

Date- \_\_\_\_\_  
Time- \_\_\_\_\_



Government of India  
Ministry of Commerce and Industry  
Department for Promotion of Industry and Internal Trade  
Office of the Controller General of Patents, Designs and Trade Marks



**Registration Link:** <https://forms.gle/KCLkt1sJBU6n3yr67>

**Mode of Conduction- Online Mode**

**Who can Attend the Workshop: All Branch Students and Faculty Members**

**Note:-After Successful completion of the program & submission of feedback, Students & faculty will get Government of India issued Certificate to all.**



Gat.No-237, Pune Bangalore Highway, Dhangawadi, Tal-Bhor, Dist-Pune 412206 (Maharashtra)





**Rajgad Dnyanpeeth's**  
**Shri Chhatrapati Shivajiraje College of Engineering, Dhangwau**  
**Department of Electronics and Telecommunication Engineering**  
**Institute's Innovation Cell**

**NOTICE**

03/05/2023

Department of Electronics & Tele-Communication Engineering In the collaboration with Institutions Innovation Cell & in collaboration with the Government of India and the Indian Patent Office under the NIPAM (National Intellectual property Awareness Mission) Scheme.

Organizing

One day Workshop On- Impact of Patents on Career.

on 9/5/2023

Mode of Conduction-Online Mode

By- Mr. Akhil Singhal

Indian Patent Office Gazetted 'A' Officers and (Inventor of 70+ Patents)

Who can Attend the Workshop: All Branch Students(Diploma/ Degree) and Faculty Members  
(Compulsory to all)

Note:- After Successful completion of the program & submission of feedback, Students & faculty will get certificate issued by Government of India.

Link For Registration:

<https://forms.gle/AKFFo569mYnRZkqZ6>

Regards,

  
Prof S.D.Pasalkar.


Member- IIC

  
Prof. S.R. Nalage.

Vice President IIC.

  
Prof. T.M.Dudhane

HoD, E&TC Department.

  
Prof. Dr. S.B.Patil  
Principal

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



Time	Email Address	1. Name of the Participants (first-middle-last)
5/3/2023 13:10:44	tpo@rajgad.edu.in	Prof Swanand D Pasalkar
5/3/2023 13:15:31	sandeeptnalage@gmail.com	Prof. Sandeep Nalage
5/4/2023 13:14:20	Sagarnigade7171@gmail.com	Sagar dnyandeo nigade
5/4/2023 13:21:41	vinayaklohakarc01@gmail.com	Vinayak Vasant Lohakarc
5/4/2023 13:27:27	ayushbharmal6468@gmail.com	Ayush Ananda Bharmal
5/4/2023 13:42:32	umexpatil19@gmail.com	Prof. Umesh Prabhakar Patil
5/4/2023 13:43:09	salunkheabhijit455@gmail.com	Abhijit Ashok Salunkhe
5/4/2023 13:43:19	zungarehrushikesh@gmail.com	Hrshikesh Vijay Zungare
5/4/2023 13:43:38	sanskrutisonawane2525@gmail.com	Sonawane Sanakruti Dnyaneshwar
5/4/2023 13:43:52	shraddhanangarc202@gmail.com	Shraddha Chandrakant Nangarc
5/4/2023 13:46:36	amolcondhalkar9999@gmail.com	Amol Kisan Kondhalkar
5/4/2023 13:47:31	madhavvc2@gmail.com	Madhav Chandrashckhar Vedpathak
5/4/2023 13:47:52	bagul.nilesh10@gmail.com	Nilesh Dadaji Bagul
5/4/2023 13:50:37	moreshreya2303@gmail.com	Shreya Chandrakant More
5/4/2023 13:54:56	sanikaalgude24@gmail.com	SANIKA SANJAY ALGUDE
5/4/2023 13:56:01	khimakar92@gmail.com	Mr. Himakar Kondagurla
5/4/2023 13:56:25	deepkumbhar019@gmail.com	Deep Laxman Kumbhar
5/4/2023 13:56:37	kaustubhjuare1@gmail.com	KAUSTUBH RAVINDRA JUARE
5/4/2023 13:57:25	shindekalyaniks2002@gmail.com	Shinde Kalyani Ashok
5/4/2023 13:57:34	bandalsakshi2003@gmail.com	Sakshi Santosh Bandal
5/4/2023 13:58:18	sps.civilscscoe@gmail.com	Shital Prakash Salunkhe
5/4/2023 13:58:39	bodaremonali@gmail.com	Monali Nanaso Bodare
5/4/2023 14:02:55	nilukale709@gmail.com	Jija Bapusaheb Chemate
5/4/2023 14:09:32	Jainketan851@gmail.com	Ketan Narendrakumar Jain
5/4/2023 14:45:07	landgesakshi65@gmail.com	Sakshi Sarjerao Landge
5/4/2023 14:55:32	aniketbiradar5232@gmail.com	Aniket Govind Biradar
5/4/2023 14:57:18	shubhadaved26jan@gmail.com	Shubhada Prashant Vedpathak
5/4/2023 15:08:56	abhi223bendre@gmail.com	Abhishek Gajanan Bendre
5/4/2023 15:19:27	krsapkal0501@gmail.com	Kiran Ramesh Sapkal
5/4/2023 15:33:08	jadhavvt0@gmail.com	Vishwajit Tanaji Jadhav



Government of India  
 Ministry of Commerce and Industry  
 Department for Promotion of Industry and Internal Trade  
 Office of the Controller General of Patents, Designs and Trade Marks

**CERTIFICATE**

This is to certify that **MR. BANDEEP R. HALAGE, FACULTY, RAJGAD DISTANCEEDUCATION'S SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING** has successfully participated in the Awareness/Training program under **NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION**

on May 09, 2023

Organized by  
**Intellectual Property Office, India**

Date: May 18, 2023



*(Signature)*  
 Director General of Patents, Designs and Trade Marks  
 Intellectual Property Office, India  
 Plot No. 10, Sector 10, Connaught Place, New Delhi - 110028



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

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

**A Three day hands on  
Workshop On  
“Arduino Programming &  
Interfacing”**

**(05<sup>th</sup>, 06<sup>th</sup> & 07<sup>th</sup> December 2022)**

**Organized By**

Department of Electronics and Telecom. Engineering

**In association with  
(Institute's Innovation Cell)**



**\*\*Event Report: A Three-Day Hands-On Workshop on Arduino Programming & Interfacing\*\***

**\*\*Date:\*\*** December 5-7, 2022

**\*\*Venue:\*\*** RD's SCSCOE, Dhangwadi

**\*\*Organized by:\*\*** Department of Electronics & Telecommunication Engineering and Institution's Innovation Cell

**\*\*Resource Person:\*\*** Prof. Sandeep R. Nalage

**\*\*Coordinators:\*\*** Dr. S. I. Nipanikar and Prof. S. D. Pasalkar

**\*\*Introduction:\*\***

A three-day hands-on workshop on Arduino programming and interfacing was held at RD's SCSCOE, Dhangwadi, from October 6th to October 8th, 2022. The workshop was organized jointly by the Department of Electronics & Telecommunication Engineering and the Institution's Innovation Cell. With Prof. Sandeep R. Nalage as the resource person, this event aimed to enhance the practical skills and knowledge of second-year engineering students in the E&TC and Mechanical Engineering departments.

**\*\*Participants:\*\***

The workshop witnessed enthusiastic participation from a total of 100 students from both the E&TC and Mechanical Engineering departments of RD's SCSCOE, Dhangwadi.



## **\*\*Workshop Highlights:\*\***

The workshop spanned three days and was designed to be highly practical-oriented, providing students with hands-on experience in Arduino programming and interfacing. Prof. Sandeep R. Nalage, an expert in the field, led the sessions with great expertise and enthusiasm. Participants were exposed to various aspects of Arduino, from basic programming to advanced interfacing techniques.

## **\*\*Feedback:\*\***

Feedback from the participants was overwhelmingly positive. Students appreciated the practical approach of the workshop, stating that it greatly enhanced their understanding of Arduino programming and interfacing. Prof. Sandeep R. Nalage's practical skills and teaching methodology were highly admired by the participants.

## **\*\*Photographs:\*\***





**\*\*Acknowledgments:\*\***

The success of this workshop would not have been possible without the dedication and hard work of our coordinators, Dr. S. I. Nipanikar and Prof. S. D. Pasalkar, who ensured that all logistical aspects were well-organized.

On the third day of the workshop, Dr. T. M. Dudhane, Head of the Department of Electronics & Telecommunication Engineering, expressed his gratitude to all participants, resource persons, and coordinators. He also emphasized the importance of such practical workshops in enhancing the skillset of engineering students.

We would like to extend our heartfelt thanks to Dr. S. B. Patil, the Principal of RD's SCSCOE, for his continuous encouragement and support in organizing such events.

**\*\*Conclusion:\*\***

The three-day hands-on workshop on Arduino programming and interfacing was a resounding success, providing valuable practical knowledge to the participating students. It served as a testament to the commitment of RD's SCSCOE to provide quality education and practical exposure to its students. The event concluded with a sense of achievement and a commitment to organizing more such workshops in the future.

Prof S.D.Pasalkar.

Member- IIC

Prof. S.R. Nalage.

Vice President IIC.

Prof. T.M.Dudhane

HoD, E&TC Department.

Prof. Dr. S.B.Patil  
Principal

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





**Rajgad Dnyanpeeth's**  
**Shri Chhatrapati Shivajiraje College of Engineering, Dhangwadi**  
**Department of Electronics and Telecommunication Engineering**  
**Institute Innovation Cell**

**NOTICE**

12/09/2022


This is to inform all students of second year E & TC and Mechanical engineering that the Institute's Innovation Cell & Department of E & TC Engineering jointly organizing a three day workshop on Arduino Programming & Interfacing. This workshop is useful to improve your technical skill.

For registration & detail information contact Prof.Sandeep R. Nalage E&TC Department.

Date: 05-07 December 2022

Venue: Department of E &TC Engineering

Time: 11.00am to 3.00pm

  
Prof.S.R.Nalage  
IIC,Vice President



  
Prof.T.M.Dudhane  
HoD E & TC Engg



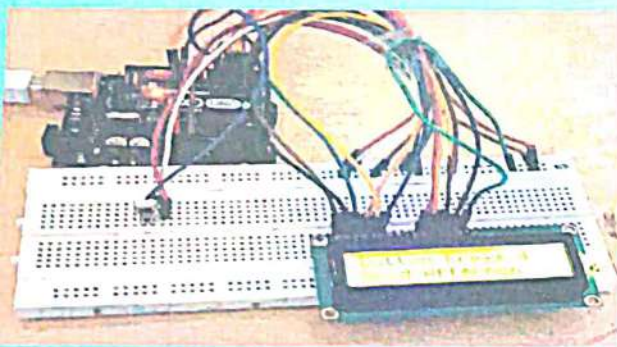


Rajgad Dyanpeeth's | SINCE 1972  
Shri Chhatrapati Shivajiraje  
College of Engineering, Pune



Institution's Innovation Cell  
&

Department of Electronics & Telecommunication Engineering Jointly organizing  
**A Three day Hands on Workshop on Arduino Programming & Interfacing**



**Date: 5, 6 & 7<sup>th</sup> Dec.2022  
from 11.30AM to 03.00PM**

**Venue:**

**(Computer Lab E&TC  
Department)**

**For S.E.(MECH & ENTC)**

**Prof.S.D.Pasalkar  
Co-Coordinator**

**Dr.S.I.Nipanikar  
Coordinator**

**Prof.S.R.Nalage  
Resource Person**

**Prof.T.M.Dudhane.  
Head of E & TC Dept.**

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



Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi Tal- Bhor, Dist-  
Pune

Department of Electronics & Telecommunication Engineering

Organizing

"A Three Day Hands on Workshop on Arduino Programming & Interfacing"

## Course Objectives

- The structure of an Arduino Uno board and how to use it
- The basic terms and components of electrical engineering as background knowledge
- What is the Arduino IDE, what is it used for and how is it structured?
- Programming basics: block-based programming
- Programming basics: text-based programming
- How to create a system with an Arduino and how to write the required program code
- Hands-on learning based on exciting DIY projects
- temperature-based LED control, light-dependent control of a motor, gas detection alarm, password-protected system, remote-controlled system

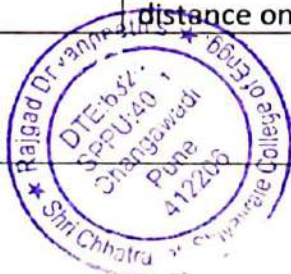
## Course Outcomes

- Students will be able to write program on their own
- Students will be able to select components while designing an embedded system
- Students will able to design a professional embedded system
- Students will be able to install and update required library in Arduino IDE
- Students Will be able to design a prototype



## Program Schedule & Syllabus

Date	Contents	Practical	Time
05/12/2022	Inauguration Function		11.30-12.00
	Introduction to Arduino UNO <ul style="list-style-type: none"> <li>• Pin diagram</li> <li>• Processor</li> <li>• Peripheral devices</li> <li>• Importance</li> <li>• Applications</li> <li>• Why to use</li> </ul>		12.00- 12.30
	Installing Arduino IDE on computer		12.30-1.00
	Basic Structure of Arduino Programming		2.00 -3.00
	Difference between analog and digital signals	<ul style="list-style-type: none"> <li>• Turning LED on/off</li> <li>• Connecting Potentiometer to analog pin</li> <li>• Controlling Brightness of LED according to value received on analog pin</li> <li>• Reading status of switch and taking action as per requirement</li> </ul>	
	How to read status of pin		
	How to send signal to pin		
	How to read analog value		
How to send analog value			
06/12/2022	Interfacing Temperature sensor with Arduino	Interfacing LM35 Sensor with arduino and Display its value on serial monitor	11.30-12.00
	Interfacing DHT11 With Arduino UNO (Downloading DHT11 Library)	Interfacing DHT11With Arduino UNO and display Temp. & Humidity on serial monitor	12.00-12.30
	Using Map function		
	Interfacing Ultrasonic sensor with Arduino	Interfacing Ultrasonic sensor with arduino and display distance on serial monitor	12.30-1.00



	Interfacing MQ-6 Sensor	Interfacing MQ-6 Sensor	2.00-4.00
	Interfacing PIR Sensor	Interfacing PIR Sensor	
	Interfacing IR Sensor	Interfacing IR Sensor	
	Interfacing Rain Drop Sensor	Interfacing Rain Drop Sensor	
07/12/2022	Interfacing 16X2 LCD with arduino and its commands	<ul style="list-style-type: none"> <li>• Display " Hello " on LCD</li> <li>• Display Temp on LCD using DHT11</li> <li>• Display Distance on LCD using HC SR 05</li> </ul>	11.30-1.00
	Interfacing Relay with arduino	<ul style="list-style-type: none"> <li>• Water Level indicator and controller</li> <li>• Automatic Water Dispenser</li> <li>• Smoke Detector and Alarm</li> <li>• Reverse Parking Horn/Indicator</li> <li>• Automatic porch Light</li> <li>• Automatic Wiper using rain drop sensor</li> </ul>	2.00-4.00
	Interfacing Motor with arduino  Interfacing Buzzer with Arduino		



**Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering**  
**Institution's Innovation Cell & Department of E & TC Engineering jointly organizing**  
**A Three Day Hands on Workshop on Arduino Programming & Interfacing on 05,06, & 07th Dec.2022**

Attendandce of Participants

SN	Name	05-12-2022		06-12-2022		07-12-2022	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
1	KHALADKAR DEEPAK SAMPAT	<u>Shalke</u>	<u>Shalke</u>	<u>Shalke</u>	<u>Shalke</u>	<u>Shalke</u>	<u>Shalke</u>
2	Gole pradnya laxman						
3	Abhishek Sambhaji Mangutkar	<u>Amr</u>	<u>Amr</u>	<u>Amr</u>	<u>Amr</u>	<u>Amr</u>	<u>Amr</u>
4	Gaikwad Sakshi Bhimaji	<u>Gaikwad</u>	<u>Gaikwad</u>	<u>Gaikwad</u>	<u>Gaikwad</u>	<u>Gaikwad</u>	<u>Gaikwad</u>
5	Andhalikar Akshada Yashwant	<u>Ayt</u>	<u>Ayt</u>	<u>Ayt</u>	<u>Ayt</u>	<u>Ayt</u>	<u>Ayt</u>
6	Phadatare Arpita Sunil	<u>A.P</u>	<u>A.P</u>	<u>A.P</u>	<u>A.P</u>	<u>A.P</u>	<u>A.P</u>
7	Patil Preeti Mahaveer	<u>P.M.Patil</u>	<u>P.M.Patil</u>	<u>P.M.Patil</u>	<u>P.M.Patil</u>	<u>P.M.Patil</u>	<u>P.M.Patil</u>
8	Pol Rutuja Rajaram	<u>Pol</u>	<u>Pol</u>	<u>Pol</u>	<u>Pol</u>	<u>Pol</u>	<u>Pol</u>
9	Sawant Omkar Prasad	<u>Om</u>	<u>Om</u>	<u>Om</u>	<u>Om</u>	<u>Om</u>	<u>Om</u>
10	Prachi balasaheb salunkhe	<u>Balukhe</u>	<u>Balukhe</u>	<u>Balukhe</u>	<u>Balukhe</u>	<u>Balukhe</u>	<u>Balukhe</u>
11	Maheshwari kharat	<u>Mahesh</u>	<u>Mahesh</u>	<u>Mahesh</u>	<u>Mahesh</u>	<u>Mahesh</u>	<u>Mahesh</u>
12	Jedhe Deep Satish	<u>Jedhe</u>	<u>Jedhe</u>	<u>Jedhe</u>	<u>Jedhe</u>	<u>Jedhe</u>	<u>Jedhe</u>
13	Dudhane Devang Dattatray	<u>Dudhane</u>	<u>Dudhane</u>	<u>Dudhane</u>	<u>Dudhane</u>	<u>Dudhane</u>	<u>Dudhane</u>
14	Margaje Rutuja Rajendra	<u>Margaje</u>	<u>Margaje</u>	<u>Margaje</u>	<u>Margaje</u>	<u>Margaje</u>	<u>Margaje</u>
15	Zende Atharva Sunil	<u>Zende</u>	<u>Zende</u>	<u>Zende</u>	<u>Zende</u>	<u>Zende</u>	<u>Zende</u>
16	Tanpure Shivam Ramchandra	<u>S.R.Tanpure</u>	<u>S.R.Tanpure</u>	<u>S.R.Tanpure</u>	<u>S.R.Tanpure</u>	<u>S.R.Tanpure</u>	<u>S.R.Tanpure</u>
17	Prajakta Vilas pawar	<u>Pawar</u>	<u>Pawar</u>	<u>Pawar</u>	<u>Pawar</u>	<u>Pawar</u>	<u>Pawar</u>
18	Bhosale Ankita Ramchandra	<u>Bhosale</u>	<u>Bhosale</u>	<u>Bhosale</u>	<u>Bhosale</u>	<u>Bhosale</u>	<u>Bhosale</u>
19	Gade raj vijay						
20	Shivam Pralhad Rathod						
21	JAMBHALE SIDDHI RAMCHANDRA	<u>Jambhale</u>	<u>Jambhale</u>	<u>Jambhale</u>	<u>Jambhale</u>	<u>Jambhale</u>	<u>Jambhale</u>
22	Abrar mirde						
23	Ajay Prajapati						
24	Devkar Pooja Dhanaji						
25	BHANDALKAR ANIKET PRAMOD						
26	Dokhe Kshitij dattatray						
27	Sanjay Nipanikar						
28	Rahul Mohite						
29	Yadav Pratik Kishor						
30	Shinde Omkar Hanumant						
31	Thorat Sandip Lahu						
32	Rohan devidas satav	<u>Rsat</u>	<u>Rsat</u>	<u>Rsat</u>	<u>Rsat</u>	<u>Rsat</u>	<u>Rsat</u>
33	Jadhav Rutuja Ashok	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>	<u>Jadhav</u>
34	Rithe Sanket Prashant	<u>Rithe</u>	<u>Rithe</u>	<u>Rithe</u>	<u>Rithe</u>	<u>Rithe</u>	<u>Rithe</u>
35	HOLKa Prajwal Deepak						



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

SN	Name	05-12-2022		06-12-2022		07-12-2022	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
36	Dhamal Aditya Rohidas	A.R.Dhamal	A.R.Dhamal	A.R.Dhamal	A.R.Dhamal	A.R.Dhamal	A.R.Dhamal
37	Shete Aditya Ganesh	Shete	Shete	Shete	Shete	Shete	Shete
38	Vishwakarma vinod Bharat	Vishwakarma	Vishwakarma	Vishwakarma	Vishwakarma	Vishwakarma	Vishwakarma
39	Bhosale Digvijay Ramesh						
40	Pranav Shahaji Sawant	Pranav	Pranav	Pranav	Pranav	Pranav	Pranav
41	Jangam Mayur Vinayak	Mayur	Mayur	Mayur	Mayur	Mayur	Mayur
42	SHENDAGE KISHOR DASHARATH	Kishor	Kishor	Kishor	Kishor	Kishor	Kishor
43	VEER SAHIL NILESH	Veer	Veer	Veer	Veer	Veer	Veer
44	VEER SAYEE RAVINDRA	Veer	Veer	Veer	Veer	Veer	Veer
45	TEKAWADE PRANAV RAMESH	Pranav	Pranav	Pranav	Pranav	Pranav	Pranav
46	Dhumal Shivanjali Santosh	Shivanjali	Shivanjali	Shivanjali	Shivanjali	Shivanjali	Shivanjali
47	Mankar Priyanka Bharat	Mankar	Mankar	Mankar	Mankar	Mankar	Mankar
48	Shedje Suraj Ashok	Suraj	Suraj	Suraj	Suraj	Suraj	Suraj

- 49) Mohole Priyal Lalit Priyal Priyal Priyal Priyal Priyal Priyal Priyal
- 50) Shikhaee swati Ravindra Shikhaee Shikhaee Shikhaee Shikhaee Shikhaee Shikhaee Shikhaee
- 51) Shere Shraddha Dhananjay Shere Shere Shere Shere Shere Shere Shere
- Co Coordinator Rajendra Rajendra Rajendra Rajendra Rajendra Rajendra Rajendra
- 52) Sutar Amruta Amruta Amruta Amruta Amruta Amruta Amruta Amruta
- 53) Gole Shruti Sunil Shruti Shruti Shruti Shruti Shruti Shruti Shruti
- 54) Pawar Kajal Rajendra Kajal Kajal Kajal Kajal Kajal Kajal Kajal
- 55) Khopade Rutuja Sandip Rutuja Rutuja Rutuja Rutuja Rutuja Rutuja Rutuja
- 56) Pangul Reshma Tanaji Reshma Reshma Reshma Reshma Reshma Reshma Reshma
- 57) Veer Samiksha Ganesh Samiksha Samiksha Samiksha Samiksha Samiksha Samiksha Samiksha
- 58) Bhosule Ankit Ramchandra Ankit Ankit Ankit Ankit Ankit Ankit Ankit
- 59) Konde Rutik Lahu Rutik Rutik Rutik Rutik Rutik Rutik Rutik
- 60) Dhairgude Aditya Ganpat Aditya Aditya Aditya Aditya Aditya Aditya Aditya
- 61) Deshmukh Adesh Hemant Adesh Adesh Adesh Adesh Adesh Adesh Adesh
- 62) Hoval Vijay Vikas Vijay Vijay Vijay Vijay Vijay Vijay Vijay
- 63) Shinde Omkar Suresh Omkar Omkar Omkar Omkar Omkar Omkar Omkar
- 64) Shelke Aniket Shivaji Aniket Aniket Aniket Aniket Aniket Aniket Aniket
- 65) Sawar Pramod Jagtap Pramod Pramod Pramod Pramod Pramod Pramod Pramod



66) Aniket Dagadu shingade.  
 67) Ashinde Prasad. Dattatray  
 68) Magar Pranoti Mahadev  
 69) Sawant sanket sanjay  
 70) SMujumale Shravani Chintamani  
 Ambike Atul Vilas  
 Hoval Vijay Vilas  
 Shelke Aniket Shivaji  
 Shinde Omkar Suresh  
 Konde Rutik Lahu  
 Dhalgude Aditya Ganpat  
 Jagtap Aditya Sanjay

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 Sanjay Sanjay Sanjay Sanjay Sanjay  
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 Aniket Aniket Aniket Aniket Aniket Aniket  
 Omkar Omkar Omkar Omkar Omkar Omkar  
 Rutik Rutik Rutik Rutik Rutik Rutik  
 Aditya Aditya Aditya Aditya Aditya Aditya  
 Sanjay Sanjay Sanjay Sanjay Sanjay Sanjay



### Interfacing 16X2 LCD with Arduino

Function: void initLCD(LCD)

LiquidCrystal object name, row, col, LCD, RS, RW, E, D0, D1, D2, D3, D4, D5, D6, D7

This function defines an object named object name of the class LiquidCrystal. row, col and LCD are the pin numbers of the Arduino board that are connected to row, col and LCD.

RS, RW, E, D0, D1, D2, D3, D4, D5, D6 and D7 are the pin numbers of the Arduino board that are connected to data pins D0, D1, D2, D3, D4, D5, D6 and D7 of LCD.

Example: LiquidCrystal lcd(12, 11, 10, 9, 8, 7, 6, 5, 4, 3); This makes use of LCD in 8-bit mode.

Example: LiquidCrystal lcd(12, 11, 6, 5, 4, 3); This makes use of LCD in 4-bit mode.

### Interfacing 16X2 LCD with Arduino

void initLCD(LCD)

This function is used to define the number of rows and columns the LCD has and to initialize the LCD.

Needs to be called before calling other functions, since the object is defined using the function in print 1.

Example: for 16X2 LCD we write initLCD(16, 2). 16 is the number of the object of the class LiquidCrystal. 16 is the number of columns and 2 is the number of rows.

void writeLCD(row, col)

This function positions the cursor of the LCD to a location specified by the row and column parameters.

row is the column number at which the cursor should be at 0 for column 1, 4 for column 5 and so on.

col is the row number at which the cursor should be at 0 for row 1, 1 for row 2.

Example: for setting the cursor at the 5th column in the 2nd row: writeLCD(4, 1) 4 is the name of the object of the class LiquidCrystal.

### Interfacing 16X2 LCD with Arduino

void initLCD(LCD)

void writeLCD(row, col)

void writeLCD(row, col)

void writeLCD(row, col)

void writeLCD(row, col)

void writeLCD(row, col)

### Interfacing Ultrasonic Sensor with Arduino



Time = Distance / Speed of sound  
 Speed of sound = 340 meter/second  
 = 0.04 cm/second  
 Distance = time \* speed of sound

<https://www.arduino.cc/en/tutorial/ultrasonic>  
<https://www.arduino.cc/en/tutorial/ultrasonic>  
<https://www.arduino.cc/en/tutorial/ultrasonic>  
<https://www.arduino.cc/en/tutorial/ultrasonic>







### Program 1: Led Blinking

```

#include <Arduino.h>
#define LED 11
void setup() {
  pinMode(LED, OUTPUT);
}
void loop() {
  digitalWrite(LED, HIGH);
  delay(1000);
  digitalWrite(LED, LOW);
  delay(1000);
}
  
```

### Program 2: Analog read

```

#include <Arduino.h>
int Pin = 0;
void setup() {
  pinMode(Pin, INPUT);
  Serial.begin(9600);
}
void loop() {
  int analogRead(Pin);
  Serial.println(analogRead);
}
  
```

### Program 3: Controlling Brightness of LED

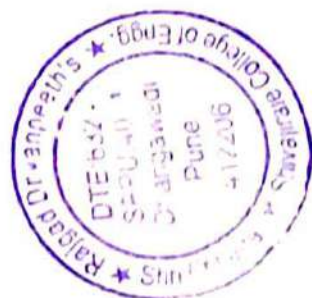
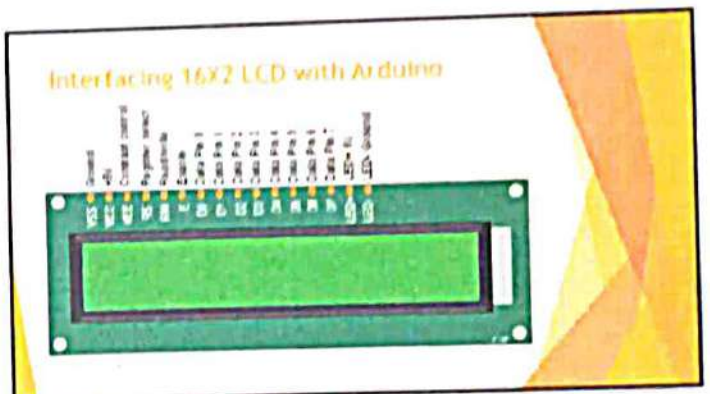
```

#include <Arduino.h>
#define LED 11
int Pin = 0;
void setup() {
  pinMode(Pin, OUTPUT);
  Serial.begin(9600);
}
void loop() {
  float analogRead(Pin);
  Serial.println(analogRead);
  digitalWrite(LED, Pin);
}
  
```

### Program 4: Use of 'if' statement

```

#include <Arduino.h>
#define LED 11
int Pin = 0;
void setup() {
  Serial.begin(9600);
  pinMode(Pin, INPUT);
  pinMode(LED, OUTPUT);
}
void loop() {
  int analogRead(Pin);
  Serial.println(analogRead);
  if (Pin < 500) {
    digitalWrite(LED, HIGH);
  }
  if (Pin > 500) {
    digitalWrite(LED, LOW);
  }
}
  
```



**Rajad Dr. Vanpeeth's**  
**Shri Chhatrapati Shivaji Raja**  
**College of Engineering, Pune**

Department of Electronics & Telecommunication Engineering jointly organizing  
**A Three Day Hands on Workshop on Arduino Programming & Interfacing**

**Workshop**  
 (Computer Lab SATC Department)  
**Fee: ₹ 5000 (MECH & ENTC)**

**Prof. E. S. Patil**  
 Head of E & TC Dept.

**Prof. S. S. Patil**  
 Head of E & TC Dept.

### "A Three Day Hands on Workshop on Arduino Programming & Interfacing"

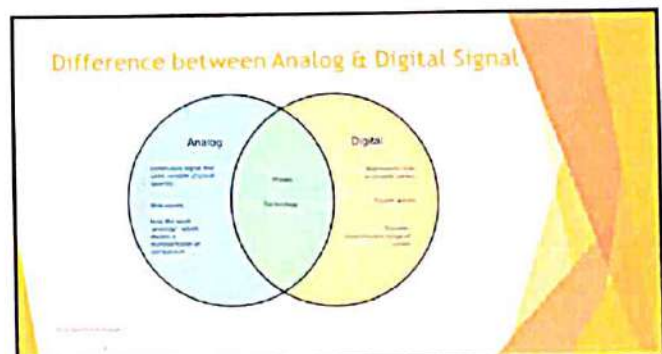
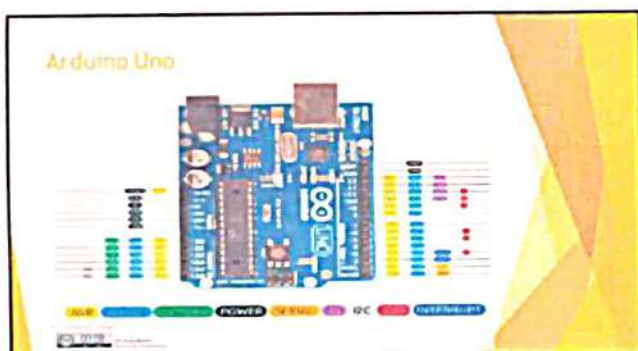
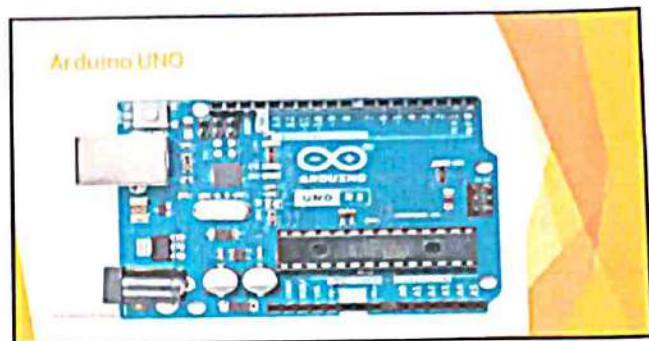
**Course Objectives**

- The structure of an Arduino Uno board, and how to use it
- The basic terms and components of electrical engineering as background knowledge
- What is the Arduino IDE, what is it used for and how is it structured?
- Programming basics: C++ based programming
- Programming basics: Python based programming
- How to create a system with an Arduino and how to write the required program code.
- Hands-on learning based on existing EIT projects

### "A Three Day Hands on Workshop on Arduino Programming & Interfacing"

**Course Outcomes**

- Students will be able to write program on their own.
- Students will be able to select components while designing an embedded system.
- Students will be able to design a professional embedded system.
- Students will be able to install and update required library in Arduino IDE.
- Students will be able to design a prototype.





Rajgad Dnyanpeeth's  
Shri Chhatrapati Shivajiraje College of Engineering, Dhangwadi  
S.No. 237 Satara-Pune, NH-4, Dhangwadi, Tal- Bhor, Dist- Pune, 412206 (MS), India



# Certificate of Participation

This is to certify that **KHALADKAR DEEPAK SAMPAT** has successfully attended, *Three Days Hands on Workshop on "Arduino Programming & Interfacing"* on 05<sup>th</sup>, 06<sup>th</sup>, & 07<sup>th</sup> December 2022 Organized by Department of Electronics & Telecommunication Engineering, Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune.

Prof.S.D.Pasalfiar  
Asst.Coordinator

Prof.Dr.S.I.Nipanj  
Coordinator

Prof.S.R.Nalage  
Resource Person

Prof.T.M.Dudhane  
HoD E&TC Dept.

Prof.Dr.S.B.Patil  
Principal



Made for free with Certify'em

**Date: 15/09/2022****Workshop Report on “Challenges in Start Up Venture”**

1. **Program type:** Workshop
2. **Event Name:** “Challenges in Start Up Venture”
3. **Attendees:** Students in the institute.
4. **Name and Designation of Resource Person :** Mr. Abhijeet Lalasaheb Gaikwad
5. **Company / Institute of Resource Person:** Vastu Tech Consultancy, Bhor, Pune.
6. **Event coordinator:** Prof. S.D.Pasakar & Prof.R.C.Divekar
7. **Day &Date of Execution:** Thursday 15<sup>th</sup> September 2022
8. **Time:** 11 am to 05.00 pm
9. **Duration of Event:** One day
10. **Venue of event :** Digital Classroom
11. **Number of Participants:** 75
12. **Fee details:** 100/-
13. **Objectives:** The main objective of the program was to guide students about those activities which are to be carried out by a person to establish and to run the business enterprises in accordance with the changing social, political and economic environments
14. **Outcomes:** Entrepreneurship activities relating to the anticipation of the consumers likes and dislikes, feelings and behaviors, tastes and fashions and the introduction of business ventures to meet out all these expectations of the consumers.
15. **Description:** Rajgad Dnyanpeeth's Shri Chhatrapati College of Engineering Civil Department Dhangwadi, Pune has conducted a Workshop on “Challenges in Start Up Venture” on 15<sup>th</sup> September 2022 for BE students of institute to give information about “Enterpreneurship”.The ultimate objective of the study is guide students about those activities which are to be carried out by a person to establish and to run the business enterprises in accordance with the changing social, political and economic environments. Entrepreneurship activities relating to the anticipation of the consumers likes and dislikes, feelings and behaviors, tastes and fashions and the introduction of business ventures to



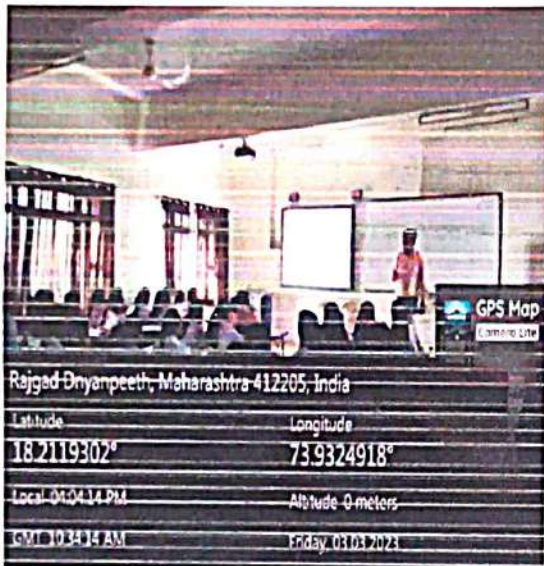


RajgadDnyanpeeth's  
**SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING**  
 Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal – Bhore, Dist- Pune (MH)

meet out all these expectations of the consumers. Entrepreneurship is considered as a new product that would enable businessmen to develop new form of business organization and new business activities catering to the changing needs of the society.

**16.Conclusion:** The Workshop on “Challenges in Start Up Venture” explained what is Entrepreneurship, Roles of Entrepreneur, Entrepreneurial mindset, and organizational development and Challenges in 21<sup>st</sup> century.

**Photos with caption**



**Day 1 Mr. A. L. Gaikwad Sir guiding students**

*S.D. Pasalkar*  
*R.C. Divekar*  
**Prof. S.D.Pasalkar & Prof. R.C.Divekar**

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

**Event Coordinator**

**Principal**



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



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.



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**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/2022-2023/80

Date: 01/09/2022

**Invitation letter**

**Mr. Abhijeet Lalasaheb Gaikwad**  
M.Tech. Construction Management  
Vastutech Design.  
Bhor, Pune, Maharashtra

Respected Sir,

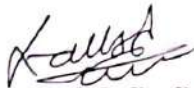
This is in reference to share & discuss with you information regarding Entrepreneurship Development for our students. It will be our ardent privilege if you visit RD's- Shri Chhatrapati Shivajiraje college of Engineering, Bhor, Pune [Maharashtra].

We are pleased to introduce ourselves as a growing Institution in the field of Technical Education. RD's-SCSCOE Campus Established in the year 2009 at Dhangawadi, Bhor, Pune Area is an AICTE Approved, Affiliated to Savitribai Phule Pune University run under the guidance of Hon'ble Anantrao Thopte (Ex-Education Minister) in strong support of Hon'ble Sangramdada Thopte (MLA: Bhor-Velha-Mulshi) which have a track record of outstanding performances of its passed outs in academic as well as in professional domains.


In the era of advanced technology, it is indeed a challenging task to cater the industrial needs in terms of proficient and efficient manpower. We at RDTC are working towards honing this talent and making them industry ready at large. We earnestly hope that our student will be able to meet the challenges assigned to them at your esteemed organisation as our ex- students have always made our institute proud.

We will be extremely obliged if you could be a part of our endeavour of making the untapped talent shine. We would like to invite you for a Entrepreneurship Development program **Workshop on "Challenges in Start Up Venture" on 15<sup>th</sup> September 2022** for final / Pre-final year students. We would be glad to provide you with any further information and assistance in this regard.

With warm regards,

  
**Prof. S. D. Pasalkar**  
Training & Placement cell (T&P)  
Email: tpo@rajgad.edu.in



  
**Prof. Dr. S. B. Patil**  
Principal – RD's, SCSCOE  
Email: principal@rajgad.edu.in

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

## ABOUT THE COLLEGE

Rajgad Dnyanpeeth Technical Campus is established in 2009 with the objective of creating state of the art learning facilities in selected fields of engineering & technology. The Institute has lavish green historical location surrounded by prime industries of Maharashtra. The Institute caters to four disciplines at UG and Diploma viz. Civil, Computer, E&TC and Mechanical Engineering approved by AICTE, New Delhi, recognized by Maharashtra Government and is affiliated to Savitribai Phule Pune University, Pune.



The aim of the institute is providing an enjoyable learning experience to the students throughout their entire tenure in the college. In addition to their academics, students can participate in wide variety of extracurricular activities in the field of arts, sports, & will receive institutional support to excel in those, at both learning as well as competitive levels.

## WORKSHOP OUTLINE

- Introduction to Entrepreneurship
- The Entrepreneurial Mindset and Personality
- Stages and Steps in the Start up Venture.

### CHIEF PATRONS

**Hon'ble Anantrao Thopte**

President, Ex- Education Minister (M.S.)

**Hon'ble Sangramdada Thopte**

Executive President, MLA

Bhor-Velha-Mulshi

**Hon'ble Sau. Swarupa S. Thopte**

Secretary, Rajgad Dnyanpeeth, Bhor

### PATRON

**Prof. Dr. S. B. Patil,**

Principal RDTC's SCSCOE

### CONVENER

**Prof. S.D. Pasalkar**

Training and Placement Cell

### CO-ORDINATOR

**Prof. R.C. Divekar**

Assistant Prof Civil Department

### GUEST

**Mr. Abhijeet Galkwad**

Vastu Tech Consultancy, Bhor

Workshop on

**“Challenges in Start Up Venture”**



**Date: 15<sup>th</sup> September 2022**

### Organized by

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

### Address for Correspondence

Gat No 237, NH-4, Pune Bangalore Highway,  
Dhangawadi, Tal-Bhor,

Pune-412206

Phone: 9860171442

Email: tpo@rajgad.edu.in





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

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

---

**Notice on Social Media**

**Date: 15<sup>th</sup> September 2022.**

Greetings to all.....!!

Join us in the Workshop on **Workshop on "Challenges in Start Up Venture"**  
By **Mr. A.L. Gaikwad Vastutech Design Bhor, Pune, Maharashtra** for Students on the occasion  
of Engineer's Day.

Organized by Training and Placement cell of Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje  
College of Engineering, Dhangwadi, Pune, Maharashtra.

On 15/09/2022 at 11.00 am to 5.00 pm.

Event Coordinator:

Prof. R. C. Divekar (9022527161)

Training and Placement Cell

Prof. S.D.Pasalkar (9860171442)

Principal:

Prof. Dr. Sanjay B. Patil

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







Date: 13/09/2022

## Workshop on “Challenges in Start Up Venture”

### Schedule of Course/ Program

Day & Date	Time	Name of Resource Person	Course contents
Thursday 15/09/2022	11.00 am to 11:15 am	Felicitation & Introduction of Guest	
	11.15 am to 01:00 pm	Mr. A.L. Gaikwad	Introduction to Entrepreneurship
	01:00 pm to 1.30 pm	Lunch Break	
	1.30 pm to 3.30pm	Mr. A.L. Gaikwad	The Entrepreneurial Mindset and Personality
	3.30 pm to 3.45 pm	Short Break	
	3.45 pm to 4.45 pm	Mr. A.L. Gaikwad	Stages and Steps in the Start up Venture
	4.45 pm to 5.00 pm		Vote of Thanks

Requirements: Internet connection etc.

Prof. S.D. Pasalkar & Prof. R.C. Divekar

Event Coordinator

Prof. Dr. S. B. Patil

Principal



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



Training & Placement Cell

Day: Thursday

Date: 15/09/2022

Title of Program: challenges in start up venture

Attendance Sheet

Sr. No.	Full Name	Class	Sign
1	ADSUL SHREERAJ VIJAY	BE	P
2	AGJAL EKNATH PARAJI	BE	P
3	ANBHORE TUSHAR ASHISH	BE	P
4	BANDAL NIKHIL BHARAT	BE	P
5	BANDAL SHUBHAM BABURAO	BE	P
6	BHAGWAT YOGESH SHRIRANG	BE	P
7	BHANDALKAR PUJA MANSING	BE	P
8	BHILARE SAURABH MARUTI	BE	P
9	BUDHE GANESH DNYANDEV	BE	P
10	CHAUDHARI VIVEK RAJENDRA	BE	P
11	CHAVAN ANIKET KESHAV	BE	P
12	CHAVAN KIRAN YUVRAJ	BE	P
13	CHAVAN ROSHAN NAMDEV	BE	P
14	CHAVAN VIKAS KASHINATH	BE	P
15	CHIKANE JAY DATTATRAY	—	P
16	CHOUGULE OMKAR BALASAHEB	—	P
17	DEVKATE SAGAR SIDHU	—	P
18	DHADVE NIKHIL DILIP	—	P
19	DHAYGUDE JAYESH SAMBHAJI	—	P
20	GADE ROHAN RAJENDRA	BE	P
21	GUJAR AMOL RAJENDRA	BE	P
22	JADHAV AJIT SANJAY	BE	P
23	JADHAV SHITAL SUBHASH	BE	P
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26	KADAM PRATIK SATISH	BE	P
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28	KARALE PRAVIN SUDHIR	BE	P



29	KATTA NACHIN NANJU	BE	P
30	KAZI MUJIB ARSHAD	BE	P
31	KOLEKAR AKSHAY DATTATRAY	BE	P
32	KOLI MAYURENI SANJAY	BE	P
33	KSHIRSAGAR SAURABH SUNIL	BE	P
34	KUKADE MANOJ ARVIND	BE	P
35	LORIANDE VABHAY DILIP	BE	P
36	MADGUDI NANEET RAJARAM	BE	P
37	MAHANGARI PRATIK SUDAM	BE	P
38	MANI AMIT JAGDISH	BE	P
39	MANI NAVANATH SOMANNA	BE	P
40	MOHITE OMKAR SAMBHAJI	BE	P
41	MOHITE SHITAL SHAMARAO	BE	P
42	MORE GOURI PRAVIN	BE	P
43	NIGADE ATHARVA VIJAY	BE	P
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54	SHINDE ADITYA NANDKUMAR	BE	P
55	SHINDE SHIVANI ASHOK	BE	P
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63	NIGADE SANDESH SURESH	BE	P
64	BARGE ABHIJEET SUNIL	BE	P



65	NAVGHANI SOURABH SOPAN	BE	P
66	GIRGONAVI IVOH BALU	BE	P
67	KAVACHAI DATTATRAYA ABHIMAN	BE	P
68	RANGOLI PRANIT DNYANI SHWAR	BE	P
69	KSHIRASAGAR GAHNDRA SAMBHAI	BE	P
70	BHAVI PANDURANG KISHANRAO	BE	P
71	BHAREKAR MANAVI MANOHAR	BE	P
72	MORE APURVA SHRIKANT	BE	P
73	SABALE VIJAYA ROHIDAS	BE	P
74	RANJANE SANDHYA SANJAY	BE	P
75	KENDRE SAINATH TATERAO	BE	P

Program Coordinator

*P. Dinkar*





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

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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/2022-2023/88

Date: 15/09/2022

## APPRECIATION LETTER

To,

Mr. Abhijeet Lalasaheb Gaikwad

VastuTech Consultancy,

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 Workshop on the topic "Workshop on "Challenges in Start Up Venture". 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 Workshop successful, and we expecting your continuous support in future also.

Your's truly,

Prof. S.D. Pasalkar & Prof. R.C. Divekar

Event Coordinator

Prof. Dr. S. B. Patil

Principal



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



Date: 18/02/2023

### Seminar Report on "Business Communication Skills"

1. Program type: Seminar
2. Event Name: Business Communication Skills
3. Attendees: Students in the institute.
4. Name and Designation of Resource Person : Mr. Santosh Kudalkar
5. Company / Institute of Resource Person: Certified English Language Trainer & Communication Coach, Shirwal
6. Event coordinator: Prof. S.D.Pasakar & Prof.R.C.Divekar
7. Day & Date of Execution: Saturday 18<sup>th</sup> February 2023
8. Time: 03.00 pm to 05.00 pm
9. Duration of Event: One day
10. Venue of event : Digital Classroom
11. Number of Participants: 75
12. Fee details: 100/-
13. Objectives: The main objective of the program was to guide students about key Business communication skills and their importance.
14. Outcomes: Business communication skills play a critical role in a company's growth and success. It helps professionals understand customers and organizational behavior and enable them to make an impact in the workplace. Learning such skills can help you succeed in your role.
15. Description: Rajgad Dnyanpeeth's Shri Chhatrapati College of Engineering Civil Department Dhangwadi, Pune has conducted a Seminar on "Business Communication Skills" on 18<sup>th</sup> February 2023 for BE students of institute to give information about "Business Communication Skills". The ultimate objective of the study is to guide students about key Business communication skills and their importance. Business communication skills play a critical role in a company's growth and success. It helps professionals understand customers and organizational behavior and enable them to make an impact in





the workplace. Learning such skills can help you succeed in your role. In this seminar, the importance of communication in business Effective communication skills can benefit a business and its employees in various ways, including establishing better teams, preventing misconceptions and disputes , enhancing customer service, achieving targets, advancing individual career prospects.

**16. Conclusion:** The Seminar on “Business Communication Skills” explained how to improve skills like listening actively, using collaboration tools, improving writing skills, taking a course, asking for feedback.

### Photos with caption



**Mr. Santosh Kudalkar Sir guiding students**

**Prof. S.D.Pasalkar & Prof. R.C.Divekar**

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

**Event Coordinator**

**Principal**



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



# 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.



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MLA, Executive President

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

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

Ref.: RD/SCSCOE/DA/2022-2023/80

Date: 01/09/2022

## Invitation letter

**Mr. Santosh Kudalkar**

Certified English Language Trainer

& Communication Coach,

Shirwal, Satara Maharashtra 412802

Respected Sir,

This is in reference to share & discuss with you information regarding Business Communication Skills for our students. It will be our ardent privilege if you visit RD's- Shri Chhatrapati Shivajiraje college of Engineering, Bhore, Pune [Maharashtra].

We are pleased to introduce ourselves as a growing Institution in the field of Technical Education. RD's-SCSCOE Campus Established in the year 2009 at Dhangawadi, Bhore, Pune Area is an AICTE Approved, Affiliated to Savitribai Phule Pune University run under the guidance of Hon'ble Anantrao Thopte (Ex-Education Minister) in strong support of Hon'ble Sangramdada Thopte (MLA: Bhore-Velha-Mulshi) which have a track record of outstanding performances of its passed outs in academic as well as in professional domains.

In the era of advanced technology, it is indeed a challenging task to cater the industrial needs in terms of proficient and efficient manpower. We at RDTC are working towards honing this talent and making them industry ready at large. We earnestly hope that our student will be able to meet the challenges assigned to them at your esteemed organisation as our ex- students have always made our institute proud.

We will be extremely obliged if you could be a part of our endeavour of making the untapped talent shine. We would like to invite you for a Entrepreneurship Development program Seminar on "Business Communication Skills" on 18<sup>th</sup> February 2023 for final / Pre-final year students. We would be glad to provide you with any further information and assistance in this regard.

With warm regards,

**Prof. S. D. Pasalkar**  
Training & Placement cell (T&P)  
Email:-tpo@rajgad.edu.in



**Prof. Dr. S. B. Patil**  
Principal - RD's, SCSCOE  
Email-principal@rajgad.edu.in

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





Date: 16/02/2023


## Seminar on “Business Communication Skills”

### Schedule of Course/ Program

Day & Date	Time	Name of Resource Person	Course contents
Saturday 18/02/2023	3.00 pm to 3.15 pm	Felicitation & Introduction of Guest	
	3.15 pm to 4.45 pm	Mr. Santosh Kudalkar	<ul style="list-style-type: none"><li>• Importance of communication in business</li><li>• How to highlight business communication abilities</li><li>• How to improve skills for business communication</li></ul>
	4.45 pm to 5.00 pm	Vote of Thanks	

Requirements: Internet connection etc.

  
  
Prof. S.D. Pasalkar & Prof. R.C. Divekar  
Event Coordinator

  
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, Dhangawadi, Tal: Bhor, Dist: Pune

**Date: 18<sup>th</sup> February 2023**

**Notice on Social Media**

Greetings to all.....!!

Join us in the Workshop on Workshop on **"Business Communication Skills"**  
By **Mr. Santosh Kudalkar** Certified English Language Trainer & Communication Coach,  
Shirwal., Pune, Maharashtra for Students.

Organized by Training and Placement cell of Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje  
College of Engineering, Dhangawadi, Pune, Maharashtra.

On 18/02/2023 at 3.00 am to 5.00 pm.

Event Coordinator:

Prof. R. C. Divekar (9022527161)

Training and Placement Cell

Prof. S.D.Pasalkar (9860171442)

Principal:

Prof. Dr. Sanjay B. Patil

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

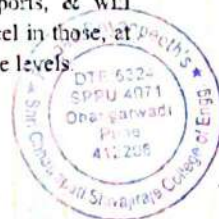


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### WORKSHOP OUTLINE

- Importance of communication in business
- How to highlight business communication abilities
- How to improve skills for business communication

#### CHIEF PATRONS

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President, Ex-Education Minister (M.S.)  
**Hon'ble Sargandad Thopte**  
Executive President, MLA  
Bhor-Velha-Mulshi  
**Hon'ble San. Swarup S. Thopte**  
Secretary, Rajgad Dnyanpeeth, Bhor

#### PATRON

**Prof. Dr. S. B. Patil,**  
Principal RDTC's SCSCOE

#### CONVENER

**Prof. S.D.Pasalkar**  
Training and Placement Cell

#### CO-ORDINATOR

**Prof.R.C.Divekar**  
Assistant Prof Civil Department

#### GUFST

**Mr. Santosh Kudalkar**  
Certified English Language Trainer &  
Communication Coach Shirwal

Seminar on  
**"Business Communication Skills"**



Date: 18<sup>th</sup> February 2023

#### Organized by

RD's SHRI CHHATRAPATI  
SHIVAJIRAJE COLLEGE OF  
ENGINEERING

#### Address for Correspondence

Gat No 237, NH-4, Pune Bangalore Highway,  
Dhangawadi, Tal-Bhor,

Pune-412206

Phone: 9860171442

Email: tpo@rajgad.edu.in



Training & Placement Cell

Day Saturday

Date: 15/02/2023

Title of Program Business Communication skills

Attendance Sheet

Sr. No.	Full Name	Class	Sign
1	ADSUL SHREERAJ VIJAY	BE	P
2	AGJAL EKNATH PARAJI	BE	P
3	ANBHORE TUSHAR ASHISH	BE	P
4	BANDAL NIKHIL BHARAT	BE	P
5	BANDAL SHUBHAM BABURAO	BE	P
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9	BUDHE GANESH DNYANDEV	BE	P
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32	KOLI MAYURESH SANJAY	BE	P
33	KSHIRSAGAR SAURABH SUNIL	BE	P
34	KUKADE MANOJ ARVIND	BE	P
35	LOKHANDE VAIBHAV DILIP	BE	P
36	MADGUDE SANKET RAJARAM	BE	P
37	MAHANGARE PRATIK SUDAM	BE	P
38	MANE AMIT JAGDISH	BE	P
39	MANE NAVANATH SOMANNA	BE	P
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54	SHINDE ADITYA NANDKUMAR	BE	P
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Program Coordinator

*P. Dinkar*





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MLA, Executive President

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

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

Ref.: RD/SCSCOE/DA/2022-2023/ 183

Date: 18/02/2023

## APPRECIATION LETTER

To,

**Mr. Santosh Kudalkar**

Certified English Language Trainer

& Communication Coach,

Shirwal, Satara Maharashtra 412802

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 Workshop on the topic "Workshop on "Business Communication Skills". It was really informative and useful. Definitely all the participants have benefited from your talk.

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Once again, thank you for making the Workshop successful, and we expecting your continuous support in future also.

Your's truly,

**Prof. S.D. Pasalkar & Prof. R.C. Divekar**

**Event Coordinator**

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

**Principal**



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