



Matoshri Shaikshani Pratishthan's

RAJIV GANDHI COLLEGE OF ENGINEERING

Recognised by Govt. of Maharashtra, Approved by AICTE & to Savitribai Phule Pune University/MSBTE, Mumbai.

Vitthalnagar, Kokate Vasti, Karjule Harya, (Takali Dhokeshwar) Nagar Kalyan Highway, Tal. Pamer, Dist. Ahmednagar, Pin-414304.

Phone : 8975578687, 8975178687, 7447275353 Visit us at : www.rgcoe.org / email : rajivgandhi.iot@gmail.com

2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences using ICT tools.

Response:

The college enables the efficient execution of the teaching-learning process. Student-centered approaches, such as experiential learning, participatory learning, and collaborative learning methodologies, are employed to enhance learning experiences through the use of ICT technologies. Experimental and interactive learning enhances the comprehensive comprehension of the subject matter and its practical implementation.

Experiential Learning:

- Our college has established industry-powered centres to provide training to students in emerging technologies. This is done through signing Memorandums of Understanding (MOUs) with industries, which enables our students to undertake four to six-week internships where they work in the field. Additionally, final year students complete their projects by conducting experiments in various industries. Industry experts offer their expertise and experience to provide guidance for the successful execution of projects.
- Our college has implemented many e-learning tools and resources such as NPTEL, ATAL, COURSERA, MOOCs, Learning Management System (LMS), Content Management System, e-books, and e-journals, as well as a digital library. These resources aim to enhance students' creative thinking abilities in technical and research domains.

Participative Learning:

- Students are encouraged to actively engage in various activities such as projects, seminars, model competitions, and national and state-level competitions and projects. Each department organises programmes for learners to engage in various activities and acquire knowledge independently. Students are inclined to enroll in Massive Open Online Courses (MOOCs) provided by prestigious institutions, which encompass online lectures, demonstrations, and interaction facilitated by ICT.
- Students are provided with a choice of educational events, such as seminars, webinars, workshops, and study tours, which focus on new issues.



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- We promote major projects that utilise the newest technologies.

Problem-solving Methodologies:

- It involves assigning students with tasks that require higher levels of thinking. These tasks aim to help students break down complex ideas into simpler bits and uncover evidence to support their self-learning abilities.
- Students are urged to seek answers for real-time problems through the use of case studies and by engaging in field or industrial projects and visits.
- Students undertake industry-based projects.

1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. where the students of the institution have enrolled and successfully completed during the last five years)

1.2.2 Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc.

Year 1 (2018-19)							
Name of Certificate/ Value added course offered and online courses of MOOCs, SWAYAM, NPTEL etc. where the students of the institution have enrolled and successfully completed	Course Code (if any)	Year of offering/stud	Period (from date - to date)	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year	
Network Security & cryptography	E&TC Engineering	SE, TE, BE	01/03/2019 To 05/03/2019	30 Hrs	8	8	
Web Development Based on PHP	Computer Department	TE ,BE	04/08/2018 To 26/08/2018	32 Hrs	15	15	
Year 2 (2019-20)							
Name of Certificate/ Value added course offered and online courses of MOOCs, SWAYAM, NPTEL etc. where the students of the institution have enrolled and successfully completed	Course Code (if any)	Year of offering/stud	Period (from date - to date)	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year	
Android App Development	E&TC Department	SE, TE, BE	15/02/2020 To 20/02/2020	30 Hrs	13	11	
Android App Development	Computer Department	SE	15/02/2020 To 20/02/2020	30 Hrs	19	19	
EV electrical battery	Electrical Department	BE	14/01/2019 TO 18/01/2019	30 Hrs	30	30	
Year 3 (2020-21)							
Name of Certificate/ Value added course offered and online courses of MOOCs, SWAYAM, NPTEL etc. where the students of the institution have enrolled and successfully completed	Course Code (if any)	Year of offering/stud	Period (from date - to date)	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year	
Solar & smart energy	Electrical Department	SE	24/11/2020 to 28/11/2020	30 Hrs	30	30	
Application of AI/ML	Mechanical	TE	08/02/2021 To 12/02/2021	30 Hrs	62	62	
Year 4 (2021-22)							
Name of Certificate/ Value added course offered and online courses of MOOCs, SWAYAM, NPTEL etc. where the students of the institution have enrolled and successfully completed	Course Code (if any)	Year of offering/stud	Period (from date - to date)	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year	
Electrical Vehicle	Mechanical Engineering	SE	07/04/2022 to 12/04/2022	32 Hrs	65	65	
Automation Technology-PLC & SCADA	E&TC Engineering	SE, TE, BE	16/10/2021 To 21/10/2021	36 Hrs	63	59	
Industrial Automation PLC & SCADA	Electrical Engineering	BE	21/09/2021 to 25/09/2021	30Hrs	25	25	
Data Analytics	Computer Department	TE,BE	07/08/2021 To 29/08/2021	32 Hrs	40	40	
Year 5 (2022-23)							
Name of Certificate/ Value added course offered and online courses of MOOCs, SWAYAM, NPTEL etc. where the students of the institution have enrolled and successfully completed	Course Code (if any)	Year of offering/stud	Period (from date - to date)	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year	
Non destructive Testing	Mechanical Engineering	TE	22/08/2022 to 24/08/2022	31 Hrs	61	61	



Date- 27/02/2023

Department of Mechanical Engineering
Activity Report

Title	Industrial Automation and Control
Duration	32 Hrs.
Name of speaker	Mr. Chittaranjan Mahajan
Designation	CEO, Dolphin Lab ,Pune
Objectives	The technology of industrial automation and control, which is commonly used in factories of all kinds for both discrete and continuous manufacturing, is introduced in this course. Discrete and continuous variable control systems, industrial communication, embedded computing, CNC machines, hydraulic, pneumatic, and electric actuators, measurement systems, including sensors and signal conditioning, and many other related topics are covered.
Beneficiary	BE Mechanical Engineering
Number of Participants	56
Course Outcome	Student shall be fulfill about knowledge of automation used in industry. Student will understand the control systems, industrial communication, embedded computing, CNC machines, hydraulic, pneumatic, and electric actuators, measurement systems, including sensors and signal conditioning.

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Mechanical Engineering

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Date-09/02/2023

Invitation Letter

To,
Mr. Chittaranjan Mahajan
CEO, Dolphin Lab ,
Pune.

Subject: Invitation to Conduct Workshop on: **Industrial Automation and Control**.

Respected sir,

The Department of Mechanical Engineering is pleased to invite you to conduct workshop on **Industrial Automation and Control** in a month of **February-2023**. The aim of this session is to give knowledge about Industrial Automation and Control and deep learning about automation to fulfill the industry requirements. Your experience will definitely help our students to discover new opportunities in the field of manufacturing.

We look forward to a positive response from you soon.

Thanking You.

With Regards,

Received



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Date- 13/02/2023

Department of Mechanical Engineering

Notice

All the third year Mechanical Engineering Students are hereby informed that the Workshop is organized on **Industrial Automation and Control** having an Expert **Mr. Chittaranjan Mahajan** from **CEO, Dolphin Lab, Pune** will be conducted on 22nd Feb 2023 to 26th Feb 2023 by our college. The session shall be conducted in Class room. Hence all final year students are informed to attend the same.

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No.	Date	Topic Covered	Topic Duration (Hrs)
Module I			
1	22/02/ 2023	Introduction	1
2	22/08/2022	Architecture of Industrial Automation Systems	1
Module II			
3	22/02/ 2023	Measurement Systems Characteristics	1
4	22/02/ 2023	Measurement Systems Characteristics(Cont.)	1
5	22/02/ 2023	Data Acquisition Systems	1
6	22/02/ 2023	Data Acquisition Systems(Cont.)	1
Module III			
7	23/02/ 2023	Introduction to Automatic Control	1
8	23/02/ 2023	P-I-D Control	1
9	23/02/ 2023	PID Control Tuning	1
10	23/02/ 2023	Feedforward Control Ratio Control	1
11	23/02/ 2023	Time Delay Systems and Inverse Response Systems	1
12	23/02/ 2023	Concluding Lesson on Process Control (Self-study)	1
13	23/02/ 2023	Introduction to Sequence Control, PLC , RLL	1
14	24/02/ 2023	Sequence Control. Scan Cycle, Simple RLL Programs	1
15	24/02/ 2023	Sequence Control. Scan Cycle, Simple RLL Programs(Cont.)	1
16	24/02/ 2023	Sequence Control. More RLL Elements, RLL Syntax	1
17	24/02/ 2023	A Structured Design Approach to Sequence Control	1





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Karjule Harya, Tal-Parner, Dist-Ahmednagar: 414304

Department of Mechanical Engineering

Workshop on Industrial Automation and Control

Syllabus

Module I

1. Introduction
2. Architecture of Industrial Automation Systems

Module II

3. Measurement Systems Characteristics
4. Data Acquisition Systems

Module III

5. Introduction to Automatic Control
6. P-I-D Control
7. PID Control Tuning
8. Feedforward Control Ratio Control
9. Time Delay Systems and Inverse Response Systems
10. Introduction to Sequence Control, PLC , RLL
11. Sequence Control. Scan Cycle, Simple RLL Programs
12. Sequence Control. More RLL Elements, RLL Syntax
13. A Structured Design Approach to Sequence Control
14. PLC Hardware Environment

Module IV

15. Flow Control Valves
16. Hydraulic Control Systems – I
17. Hydraulic Control Systems – II
18. Industrial Hydraulic Circuit
19. Pneumatic Control Systems – I
20. Pneumatic Systems – II
21. Energy Savings with Variable Speed Drives
22. Introduction To CNC Machines

Module V

23. The Fieldbus Network – I
24. Higher Level Automation Systems


Course Coordinator




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Karjule Harya, Tal-Parner, Dist-Ahmednagar: 414304

Department of Mechanical Engineering

18	24/02/ 2023	PLC Hardware Environment	1
19	24/02/ 2023	PLC Hardware Environment(Cont.)	1
Module IV			
20	25/02/ 2023	Flow Control Valves	1
21	25/02/ 2023	Flow Control Valves(Cont.)	1
22	25/02/ 2023	Hydraulic Control Systems – I	1
23	25/02/ 2023	Hydraulic Control Systems – II	1
24	25/02/ 2023	Industrial Hydraulic Circuit	1
25	25/02/ 2023	Pneumatic Control Systems – I	1
26	25/02/ 2023	Pneumatic Systems – II	1
27	26/02/ 2023	Energy Savings with Variable Speed Drives	1
28	26/02/ 2023	Introduction To CNC Machines	1
29	26/02/ 2023	Introduction To CNC Machines(Cont.)	1
Module V			
30	26/02/ 2023	The Fieldbus Network – I	1
31	26/02/ 2023	Higher Level Automation Systems	1
32	26/02/2023	Course Review and Conclusion (Self-study)	1
Total Hrs. Used			32


Course Coordinator


Signature of HOD

HOD
Mechanical Engineering Department
R.G.C.O.E., Karjule Harya





Expert Session Feedback

Name of Student: *Bhojane Swapnil Shivaji* Class: **BE Mechanical Engg.**

Name of Speaker: **Mr. Chittaranjan Mahajan**

Topic: **Industrial Automation And Control**

1) Understanding of the session delivered

Excellent Very good Good Average

2) Interaction with the student

Excellent Very good Good Average

3) Whether workshop was useful to you

Excellent Very good Good Average

4) Overall impression

Excellent Very good Good Average

Any Suggestions

Suggestion for importance of waste management.

Shivaji
Sign of Student





Expert Session Feedback

Name of Student: *Dharmal Ajinkya Paraji*

Class: **BE Mechanical Engg.**

Name of Speaker: **Mr. Chittaranjan Mahajan**

Topic: **Industrial Automation And Control**

1) Understanding of the session delivered

Excellent Very good Good Average

2) Interaction with the student

Excellent Very good Good Average

3) Whether workshop was useful to you

Excellent Very good Good Average

4) Overall impression

Excellent Very good Good Average

Any Suggestions

Expose the latest advancements technology.

Dharmal
Sign of Student





Expert Session Feedback

Name of Student: Gode Mahesh Nandy

Class: BE Mechanical Engg.

Name of Speaker: Mr. Chittaranjan Mahajan

Topic: Industrial Automation And Control

1) Understanding of the session delivered

Excellent Very good Good Average

2) Interaction with the student

Excellent Very good Good Average

3) Whether workshop was useful to you

Excellent Very good Good Average

4) Overall impression

Excellent Very good Good Average

Any Suggestions

Introduce principles of sustainable design.

Mahesh. Gode
Sign of Student





Expert Session Feedback

Name of Student: *More Vishal Haqibhai*

Class: **BE Mechanical Engg.**

Name of Speaker: **Mr. Chittaranjan Mahajan**

Topic: **Industrial Automation And Control**

1) Understanding of the session delivered

Excellent Very good Good Average

2) Interaction with the student

Excellent Very good Good Average

3) Whether workshop was useful to you

Excellent Very good Good Average

4) Overall impression

Excellent Very good Good Average

Any Suggestions

Develop innovative solutions

More
Sign of Student



Students Feedback Analysis

Workshop on "Industrial Automation and Control"

Total No. of Student Present: 56

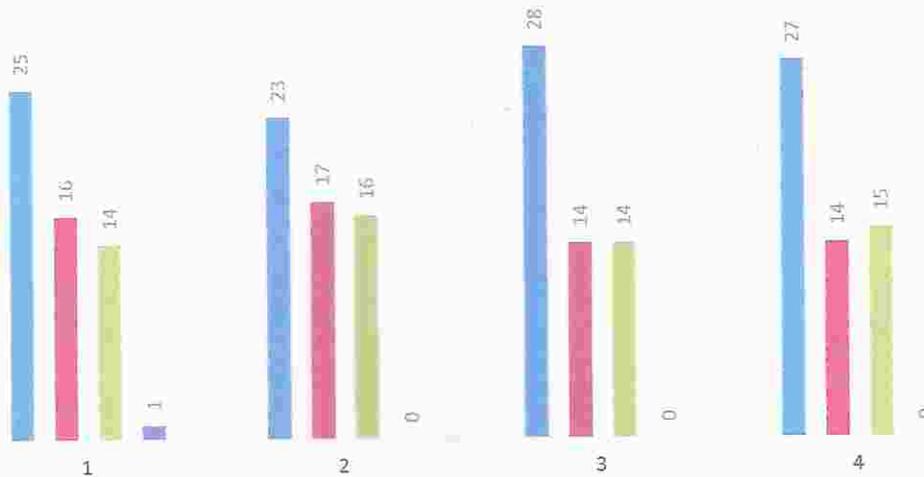
No. of Student filled Feedback: 56

- 1) Understanding of the session delivered
- 2) Interaction with the student
- 3) Whether workshop was useful to you
- 4) Overall impression

	Excellent	Very Good	Good	Average
1	25	16	14	1
2	23	17	16	Nil
3	28	14	14	Nil
4	27	14	15	Nil

CHART TITLE

■ Excellent ■ Very Good ■ Good ■ Average





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Chart Title



Comment:

OK

Observation:

Nil -

Action Taken

Nil -

Course Coordinator

Signature of HOD

HOD

Mechanical Engineering Department
R.G.C.O.E., Karjule Harya





Date-26/02/2020

Expert Feedback Form

Respected sir/madam, please give your valuable feedback

Name:- Mr. Chittaranjan Mahajan

Organization:- Dolphin Lab, Pune

Designation:-CEO

Contact No.:-

Topic of Workshop:- Industrial Automation and Control

Sr. No	Description	Excellent	Very Good	Good	Adequate
1	Audio/video system arrangement		✓		
2	Cooperation from faculty/dept./institute	✓			
3	Content understanding level of students		✓		
4	Interaction of students		✓		
5	Level of questions asked by the students			✓	
6	Overall rating		✓		

Is there any additional feedback that you would like to offer?

Improve seating arrangement as well as for students & audio quality of sound system.



Name & Sign of Authority
Mr. C. Mahajan



Date- 26/02/2021

Letter of Thanks

To,

Mr. Chittaranjan Mahajan

CEO, Dolphin Lab ,

Pune.

Dear Sir,

On behalf of Department of Mechanical Engineering, Rajiv Gandhi College of Engineering, Karjule Harya we would like to extend our heartiest thanks for accepting our invitation for workshop. Your workshop on “**Industrial Automation and Control**” will be helpful to our students.

Thank you for your motivation and benefitted valuable guidance. We are expecting similar kind of cooperation in future.

Sincerely,

HOD

Mechanical Engineering

HOD

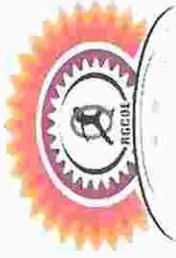
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R.G.C.O.E., Karjule Harya**



Attendance Sheet

Class-BE(MECH)-2022-23

SR.NO	Name of student	Day-1	Day-2	Day-3	Day-4	Day-5
1	MORE VISHAL HARIBHAU	More	More	More	More	More
2	AGARKAR ASHUTOSH SUDHIR	A.S.A	A.S.A	A.S.A	A.S.A	A.S.A
3	AHER TUSHAR ANIL	31 Nov				
4	AJABE SAGAR KAILAS	Sagar	Sagar	Sagar	Sagar	Sagar
5	AKHANDE AKASH PRAKASH	A.Kash	A.Kash	A.Kash	A.Kash	A.Kash
6	ASWAR PAYAL GOVIND	A.P.	A.P.	A.P.	A.P.	A.P.
7	AUTI GAURAV ANIL	Auti	Auti	Auti	Auti	Auti
8	BADGUJAR UMESH SURESH	Umesh	Umesh	Umesh	Umesh	Umesh
9	BATULE BHARAT POPAT	B.P.B	B.P.B	B.P.B	B.P.B	B.P.B
10	BHASKAR AMAR SHRIKANT	Amar	Amar	Amar	Amar	Amar
11	BHOGADE OMKAR MAHADEO	Omkar	Omkar	Omkar	Omkar	Omkar
12	BHOJANE SWAPNIL SHIVAJI	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil
13	BORASE AMOL BAHGWANTRAO	A. Amol	A. Amol	B. Amol	B. Amol	B. Amol
14	DHAS PAVANKUMAR SUBHASH	Pavankumar	Pavankumar	Pavankumar	Pavankumar	Pavankumar
15	DHUMAL AJINKYA PARAJI	Dhumal	Dhumal	Dhumal	Dhumal	Dhumal
16	DHUMAL SHUBHAM RAJENDRA	D. Shubham				
17	GAIKWAD LOKESH RAJAN	L.R.	L.R.	L.R.	L.R.	L.R.
18	GAWADE GAYATRI GOPICHAND	Gawade	Gawade	Gawade	Gawade	Gawade
19	GODE MAHESH NANDU	Mahesh	Mahesh	Mahesh	Mahesh	Mahesh



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Email id: rajivgandhi.iot@gmail.com

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Certificate

This is to certify that **Mr. / Ms MORE VISHAL HARIBHAU** has participated in **Industrial Automation and Control** which is organized by **Department of Mechanical Engineering Dated 22 Feb. 2023 To 26 Feb.2023.**

IQAC In-charge

Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner
Dist. Ahmednagar-414304



PRINCIPAL

Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. A. Nagar



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Tal.-Parner, Dist.-Ahmednagar, Pin:414304

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Certificate

This is to certify that **Mr. / Ms AGARKAR ASHUTOSH SUDHIR** has participated in **Industrial Automation and Control** which is organized by **Department of Mechanical Engineering Dated 22 Feb. 2023 To 26 Feb.2023.**

IQAC In-charge

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Dist. Ahmednagar 414304



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Karjule Harya, Tal. Parner, Dist. A. Nagar



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Email id: rajivgandhi.iot@gmail.com

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This is to certify that **Mr. / Ms AHER TUSHAR ANIL** has participated in
Industrial Automation and Control which is organized by Department of
Mechanical Engineering Dated 22 Feb. 2023 To 26 Feb.2023.

IQAC In-charge

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Certificate

This is to certify that **Mr. / Ms AJABE SAGAR KAILAS** has participated
in **Industrial Automation and Control** which is organized by Department of
Mechanical Engineering Dated 22 Feb. 2023 To 26 Feb.2023.

IQAC In-charge

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Dist. Ahmednagar-414304



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Certificate

This is to certify that **Mr. / Ms AKHANDE AKASH PRAKASH** has participated in **Industrial Automation and Control** which is organized by **Department of Mechanical Engineering** Dated **22 Feb. 2023 To 26 Feb.2023.**

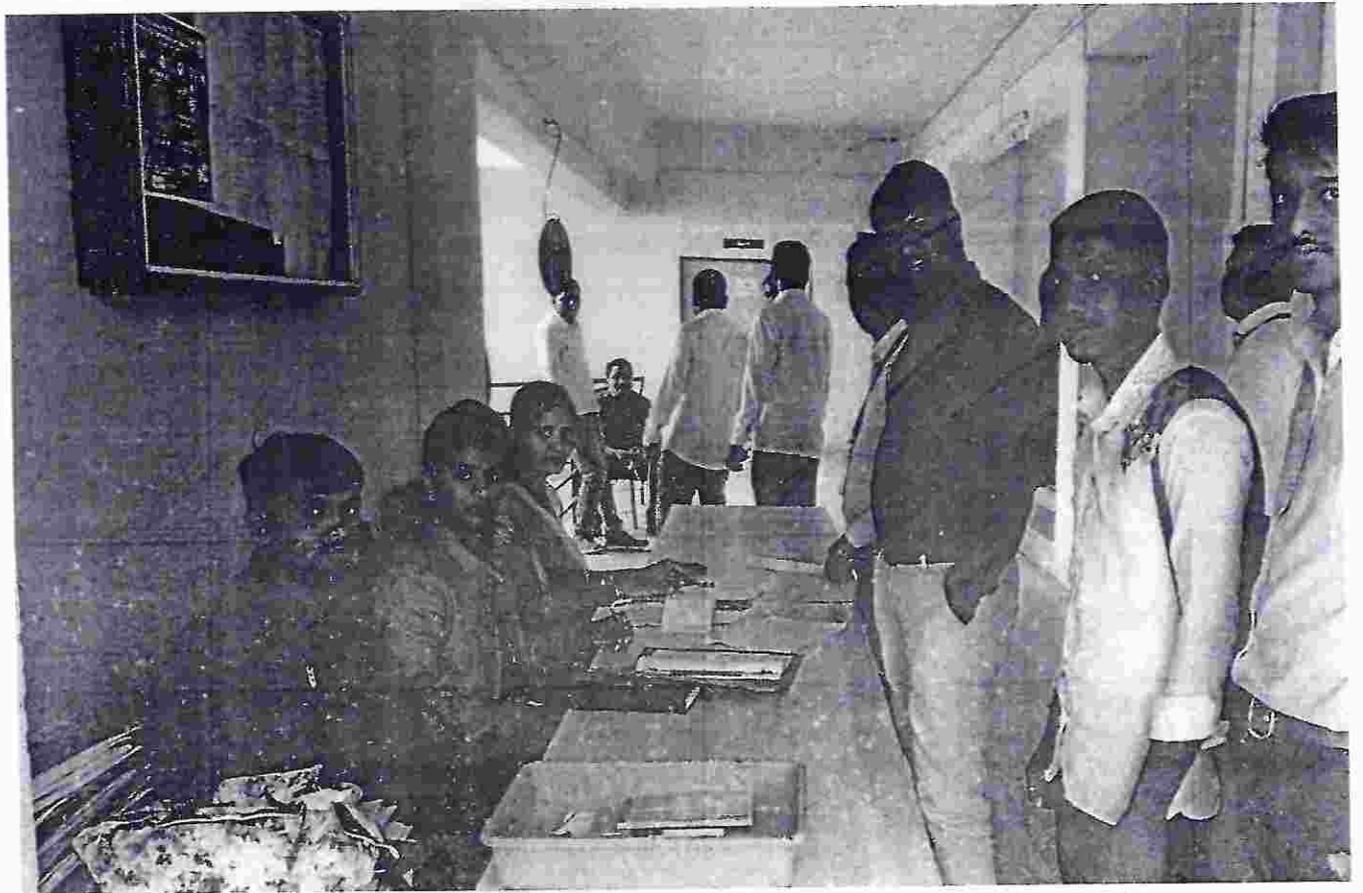
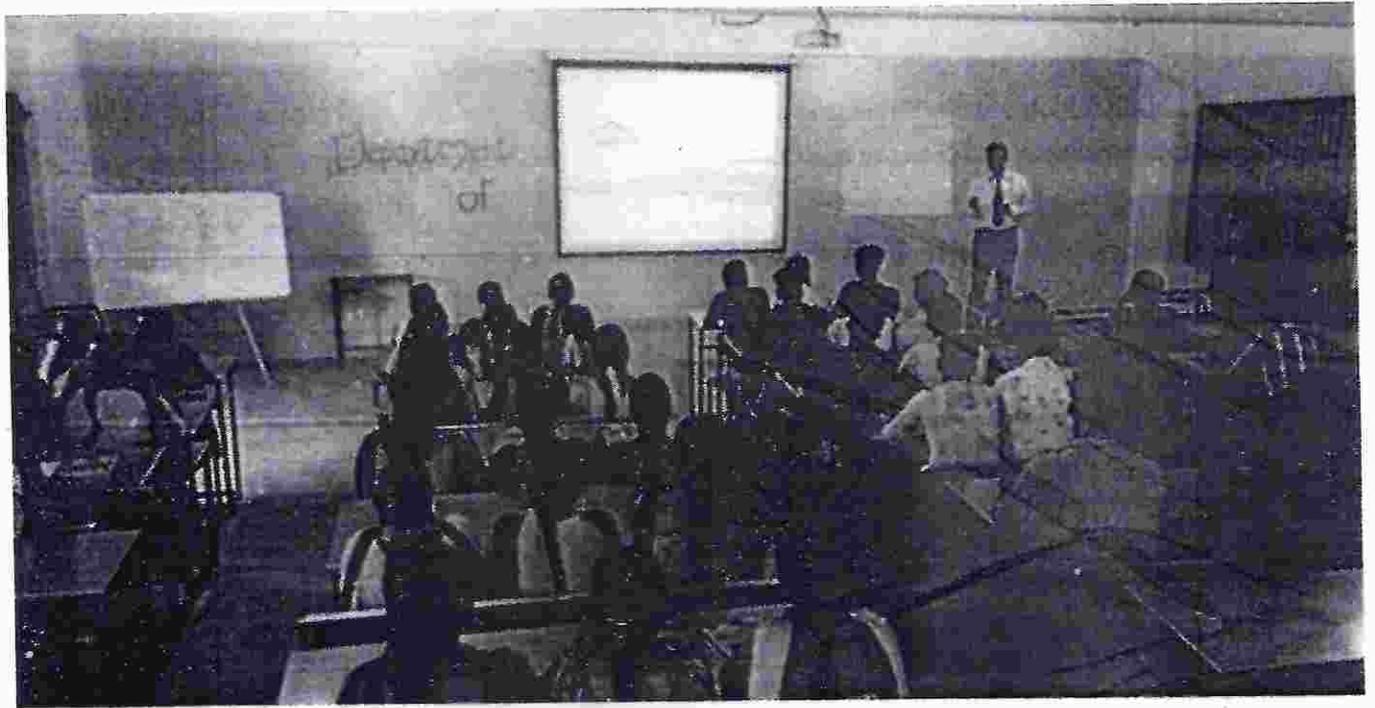
IQAC In-charge

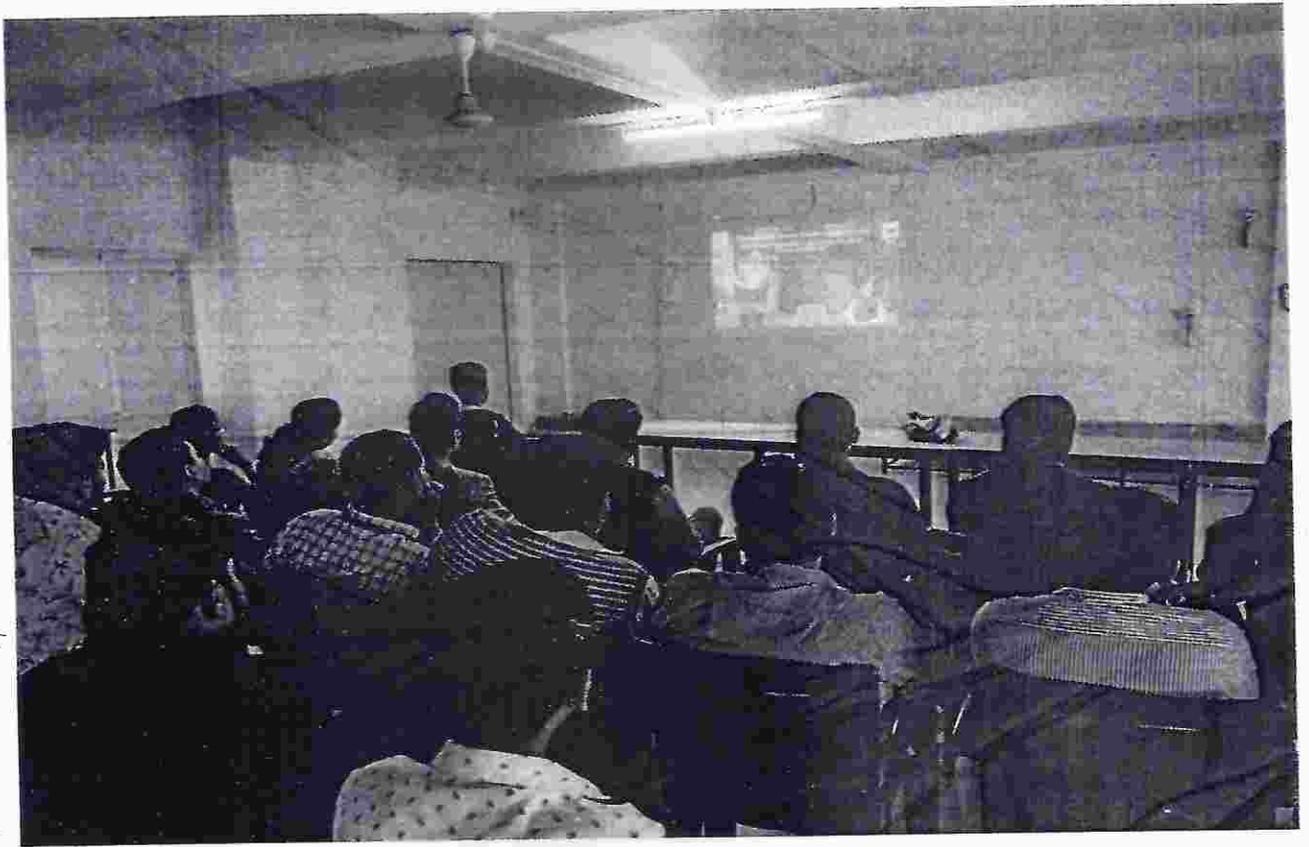
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Date- 25/8/2022

Department of Mechanical Engineering Activity Report

Title	Non Destructive testing
Duration	31 Hrs.
Name of speaker	Dr. Amol Lokhande
Designation	Professor, Sandip University, Nashik.
Objectives	To inspect a component in a safe, reliable, and cost-effective manner without causing damage to the equipment or shutting down plant operations. This is in contrast to destructive testing where the part being tested is damaged or destroyed during the Inspection process.
Beneficiary	TE Mechanical Engineering
Number of Participants	61
Course Outcome	Student shall be able to find the internal flaws in the material by NDT and take measures to eliminate them. The student shall be able to solve various problems encountered like leakage, cracks, blowholes etc with the manufacturing process by analyzing the



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Date- 10/08/2022

Invitation Letter

To,
Dr. Amol Lokhande
Professor,
Sandip University,
Nashik

Subject: Invitation to Conduct Workshop on: Non Destructive Testing.

Respected sir,

The Department of Mechanical Engineering is pleased to invite you to conduct workshop on Non-Destructive Testing in a month of **August-2022**. The aim of this session is to give knowledge about Non-Conventional machining process and deep learning about advancement in Inspection to fulfill the industry requirements. Your experience will definitely help our students to discover new opportunities in the field of manufacturing.

We look forward to a positive response from you soon.

Thanking You.

With Regards,

accepted
Pamer



[Signature]
HOD

Mechanical Engineering

HOD

Mechanical Engineering Department
R.G.C.E., Karjule Harya



Matoshri Shaikshanik Pratishthan's

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Date- 12/08/2022

Department of Mechanical Engineering

Notice

All the third year Mechanical Engineering Students are hereby informed that the Workshop is organized on **Non Destructive Testing** having an Expert **Dr. Amol Lokhande** from **Sandip University Nashik** will be conducted on 20/08/2022 to 24/08/2022 by our college. The session shall be conducted in Class room. Hence all third year students are informed to attend the same.



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Department of Mechanical Engineering

Workshop on Non Destructive Testing

Syllabus

1. Visual inspection and eddy current testing
2. Liquid Penetrate testing
3. Magnetic Particle testing
4. Radiographic Testing
5. Ultrasonic testing

Course Coordinator



Signature of HOD

HOD

Mechanical Engineering Department
R.G.C.E., Karjule Harya



Matoshri Shaikshanik Pratishthan's Ane

Rajiv Gandhi College of Engineering

Karjule Harya, Tal-Parner, Dist-Ahmednagar: 414304

Department of Mechanical Engineering

Workshop on Non Destructive Testing

No.	Date	Topic Covered	Topic Duration
1	20/08/2022	Visual inspection and eddy current testing	6
2	21/08/2022	Liquid Penetrant testing	6
3	22/08/2022	Magnetic Particle testing	6
4	23/08/2022	Radiographic Testing	6
5	24/08/2022	Ultrasonic testing	7


Course Coordinator




Signature of HOD

HOD
Mechanical Engineering Department
R.G.C.E., Karjule Harya



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 Phone : 8975578687, 8975178687, 7447275353 Visit us at : www.rgcoe.org / email : rajivgandhi.iot@gmail.com

Expert Session Feedback

Name of Student: BARVE MAHESH-V

Class: TE Mech

Name of Speaker: Dr. Amol Lokhande

Topic: Non Destructive Testing

1) Understanding of the session delivered

Excellent Very good Good Average

2) Interaction with the student

Excellent Very good Good Average

3) Whether workshop was useful to you

Excellent Very good Good Average

4) Overall impression

Excellent Very good Good Average

Any Suggestions

nil

MBV
Sign of Student





Expert Session Feedback

Name of Student: *Satpute Apurva*

Class: *TE mech*

Name of Speaker: Dr. Amol Lokhande

Topic: Non Destructive Testing

1) Understanding of the session delivered

Excellent Very good Good Average

2) Interaction with the student

Excellent Very good Good Average

3) Whether workshop was useful to you

Excellent Very good Good Average

4) Overall impression

Excellent Very good Good Average

Any Suggestions

OK

Alms
Sign of Student





Expert Session Feedback

Name of Student: Pote Aadesh.

Class: TE (medv)

Name of Speaker: Dr. Amol Lokhande

Topic: Non Destructive Testing

1) Understanding of the session delivered

Excellent Very good Good Average

2) Interaction with the student

Excellent Very good Good Average

3) Whether workshop was useful to you

Excellent Very good Good Average

4) Overall impression

Excellent Very good Good Average

Any Suggestions


Sign of Student





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Expert Session Feedback

Name of Student: ASHTEKAR SANGHARSH S

Class: TE

Name of Speaker: Dr. Amol Lokhande

Topic: Non Destructive Testing

1) Understanding of the session delivered

Excellent Very good Good Average

2) Interaction with the student

Excellent Very good Good Average

3) Whether workshop was useful to you

Excellent Very good Good Average

4) Overall impression

Excellent Very good Good Average

Any Suggestions

Nil

AS
 Sign of Student



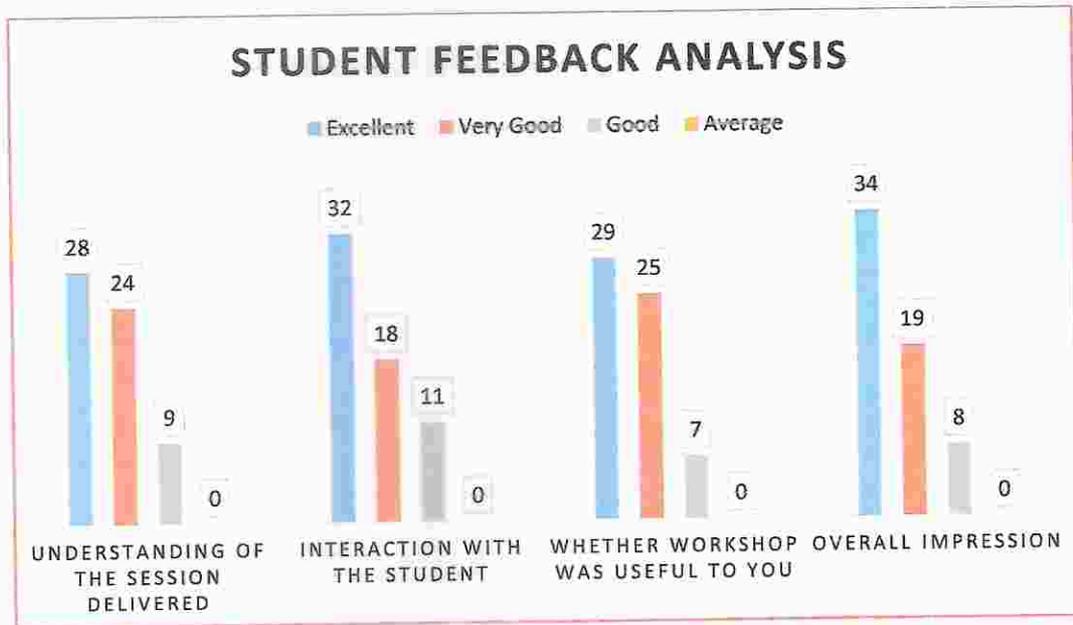


Students Feedback Analysis

Total No. of Student Present: 61

No. of Student filled Feedback: 61

Questions	Excellent	Very Good	Good	Average
Understanding of the session delivered	28	24	9	Nil
Interaction with the student	32	18	11	Nil
Whether workshop was useful to you	29	25	7	Nil
Overall impression	34	19	8	Nil



[Signature]
HOD
Mechanical Engineering Department
R.G.C.O.E., Karjule Harya



STUDENT FEEDBACK ANALYSIS



Comments: -

Very Informative Program.

Observation: -

Program was very Good & successfully completed.

Action Taken: -

Nil

[Signature]
Co-ordinator



[Signature]
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Mechanical Engineering Department
R.G.C.O.E., Karjule Harya



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Date- 24/9/2022

Expert Feedback Form

Respected sir/madam, please give your valuable feedback

Name: -Dr. Amol Lokhande

Organization: -Sandip University, Nashik

Designation: - Professor

Contact No.: - 9421077972

Topic of Workshop: -Non-Destructive Testing

Sr. No	Description	Excellent	Very Good	Good	Adequate
1	Audio/video system arrangement		✓		
2	Cooperation from faculty/dept./institute	✓			
3	Content understanding level of students		✓		
4	Interaction of students		✓		
5	Level of questions asked by the students	✓			
6	Overall rating	✓			

Is there any additional feedback that you would like to offer?

Very good arrangement done by Mechanical Department

Name & Sign of Authority
Dr. Amol Lokhande



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Date- 24/08/2022

Letter of Thanks

To,

Dr. Amol Lokhande

Professor,

Sandip University,

Nashik

Dear Sir,

On behalf of Department of Mechanical Engineering, Rajiv Gandhi College of Engineering, Karjule Harya we would like to extend our heartiest thanks for accepting our invitation for workshop. Your workshop on 'Non Destructive Testing' will be helpful to our students.

Thank you for your motivation and benefitted valuable guidance. We are expecting similar kind of cooperation in future.

Sincerely,

Received
Amol Lokhande



Amol Lokhande
HOD

Mechanical Engineering

HOD
Mechanical Engineering Department
R G C O E, Karjule Harya

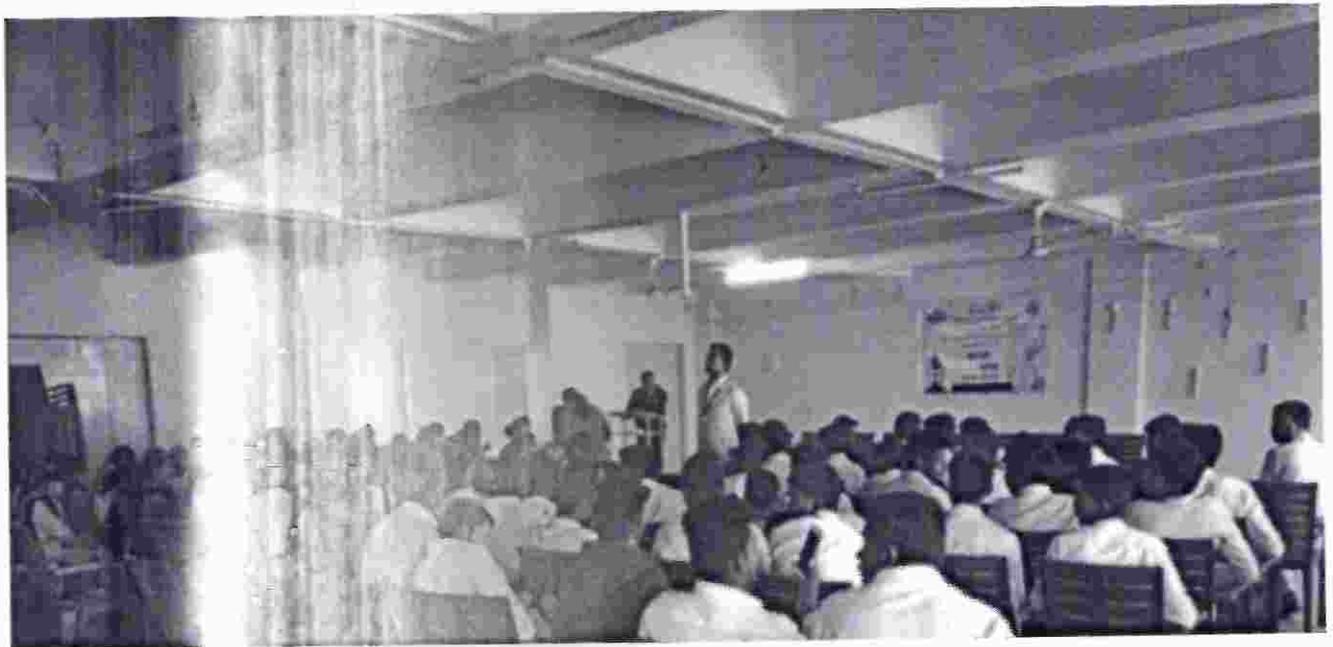
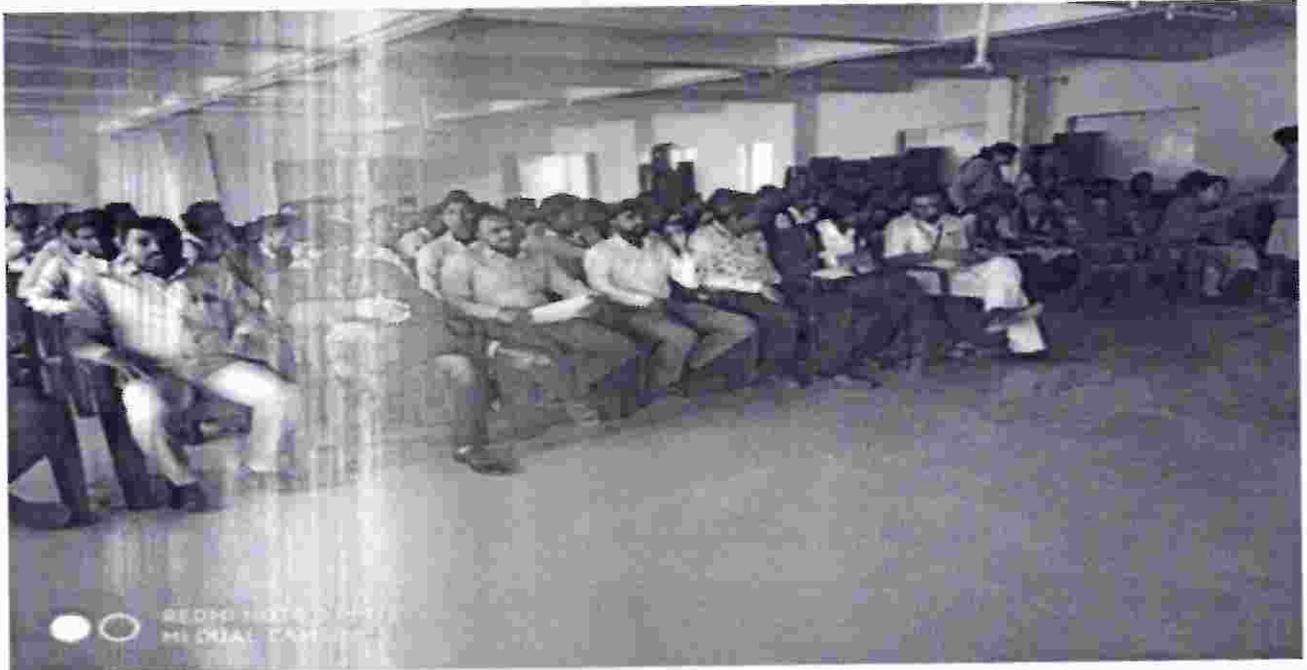


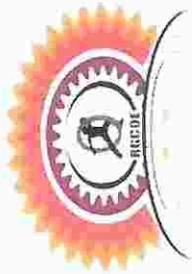
Matoshri Shaikshanik Pratishthan's

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Photo of NDT Course





Rajiv Gandhi College of Engineering, Karjule Haryana,

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Email id: rajivgandhi.iot@gmail.com

www.rgcoe.org

Certificate

This is to certify that **Mr. / Ms. BARVE MAHESH VISHNU** has participated in **Non Destructive Testing Course** which is organized by **Department of Mechanical Engineering Dated 20 Aug. 2022 To 24 Aug.2022.**

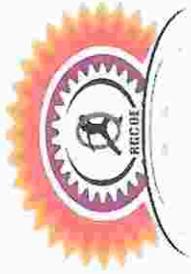
IQAC In-charge

Rajiv Gandhi College of Engineering
Karjule Haryana, Tal. Parner
Dist. Ahmednagar-414304



PRINCIPAL

Rajiv Gandhi College of Engineering
Karjule Haryana, Tal. Parner, Dist. Ahmednagar



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Email id: rajivgandhi.iot@gmail.com

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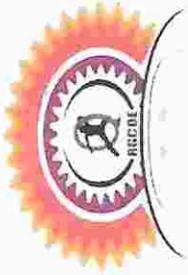
Certificate

This is to certify that **Mr. / Ms. BHADANE ANIKET NARHAR** has participated in **Non Destructive Testing Course** which is organized by **Department of Mechanical Engineering Dated 20 Aug. 2022 To 24 Aug.2022.**


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Karjule Harya, Tal. Parner
Dist. Ahmednagar-414304




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Karjule Harya, Tal. Parner Dist. A. Nagar



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Email id: rajivgandhi.iot@gmail.com

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Certificate

This is to certify that **Mr. / Ms. BHAKARE ATUL SANTOSH** has participated in **Non Destructive Testing Course** which is organized by **Department of Mechanical Engineering Dated 20 Aug. 2022 To 24 Aug.2022.**

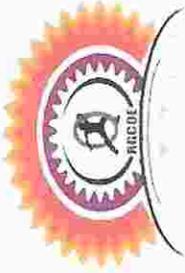


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Email id: rajivgandhi.iot@gmail.com

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Certificate

This is to certify that **Mr. / Ms. BHALEKAR PRANAY DNYANESHWAR** has participated in **Non Destructive Testing Course** which is organized by **Department of Mechanical Engineering Dated 20 Aug. 2022 To 24 Aug.2022.**

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Email id: rajivgandhi.iot@gmail.com

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Certificate

This is to certify that **Mr. / Ms. BIDKAR SWATI RAMESH** has participated in **Non Destructive Testing Course** which is organized by **Department of Mechanical Engineering Dated 20 Aug. 2022 To 24 Aug.2022.**

Ramesh

IQAC In-charge

Rajiv Gandhi College of Engineering
Karjule Haryana, Tal. Parner
Dist. Ahmednagar-414304



Principals

PRINCIPAL

Rajiv Gandhi College of Engineering
Karjule Haryana, Tal. Parner Dist. Ahmednagar



MATOSHRI SHAIKSHANIK PRATISTHAN'S ANE
RAJIV GANDHI COLLEGE OF ENGINEERING, KARJULE HARYA
Department of Mechanical Engineering 2022-23
ATTENDANCE OF NDT COURSE

Roll No.	Student Name	Day-1	Day-2	Day-3	Day-4	Day-5
1	ASHTEKAR SANGHARSH SACHIN	AShtekar	AShtekar	AShtekar	AShtekar	AShtekar
2	BARVE MAHESH VISHNU	MBurve	MBurve	MBurve	MBurve	MBurve
3	BHADANE ANIKET NARHAR	BhAdane	BhAdane	BhAdane	BhAdane	BhAdane
4	BHAKARE ATUL SANTOSH	ABhakar	ABhakar	ABhakar	ABhakar	ABhakar
5	BHALEKAR PRANAY DNYANESHWAR	PrAnay	PrAnay	PrAnay	PrAnay	PrAnay
6	BIDKAR SWATI RAMESH	SwAti	SwAti	SwAti	SwAti	SwAti
7	BOMBALE MAHESH SUDHAKAR	MBombale	MBombale	MBombale	MBombale	MBombale
8	BUGADE SHRIYASH PRAKASH	Shriyash	Shriyash	Shriyash	Shriyash	Shriyash
9	DANGADE PRATIK SATISH	Pratik	Pratik	Pratik	Pratik	Pratik
10	DHANWATE MAYUR BAPUSAHEB	MDhanwate	MDhanwate	MDhanwate	MDhanwate	MDhanwate
11	DHONGADE PRASAD BAPUSAHEB	PDhonge	PDhonge	PDhonge	PDhonge	PDhonge
12	DHOTRE AJINKYA ASHOK	AJinkya	AJinkya	AJinkya	AJinkya	AJinkya
13	DHUMAL MANGESH MAHADEV	MDhumal	MDhumal	MDhumal	MDhumal	MDhumal
14	DIVATE SHREERAM MADAN	SDivate	SDivate	SDivate	SDivate	SDivate
15	DOKE SHUBHAM BALU	SDoke	SDoke	SDoke	SDoke	SDoke
16	GAIKWAD AMARDIP GOVIND	AGaikwad	AGaikwad	AGaikwad	AGaikwad	AGaikwad
17	GAIKWAD PRAKASH NANASO	PGaikwad	PGaikwad	PGaikwad	PGaikwad	PGaikwad
18	GHUSALE VISHAL NAVNATH	V.Ghosal	V.Ghosal	V.Ghosal	V.Ghosal	V.Ghosal
19	GITE ABHIJIT MURALIDHAR	AGite	AGite	AGite	AGite	AGite
20	HARALE YUVRAJ SUNIL	Yuvraj	Yuvraj	Yuvraj	Yuvraj	Yuvraj
21	HARVANE MAYUR SURESH	M.Harvane	M.Harvane	M.Harvane	M.Harvane	M.Harvane
22	INAMDAR ADIL AFAJAL	ADil	ADil	ADil	ADil	ADil
23	JADHAV PUSHPAK MAHADEV	JPC	JPC	JPC	JPC	JPC
24	KAKADE RUSHIKESH SAVKAR	Rushikesh	Rushikesh	Rushikesh	Rushikesh	Rushikesh
25	KAMBALE VIKAS SAHEBRAO	Vikas	Vikas	Vikas	Vikas	Vikas
26	KARALE DINESH ROHIDAS	Dinesh	Dinesh	Dinesh	Dinesh	Dinesh
27	KHAIRNAR RAHUL RAJENDRA	Rahul	Rahul	Rahul	Rahul	Rahul
28	KOHAK OMKAR JALINDAR	OK	OK	OK	OK	OK
29	KOLHE VIJAY RAMDAS	Vijay	Vijay	Vijay	Vijay	Vijay
30	KOLHE VIKRAM ARUN	Vikram	Vikram	Vikram	Vikram	Vikram
31	KOTE AKSHAY RAMESH	AK	AK	AK	AK	AK
32	KUMATKAR KIRAN DNYANESHWAR	KK	KK	KK	KK	KK



[Signature]
HOD

Mechanical Engineering Department
RCCOE, Karjule Haryana



Date- 06/11/2022

Department of Mechanical Engineering

Activity Report

Title	Electrical Vehicle
Duration	32 Hrs.
Name of speaker	Mr. Chitaranjan Mahajan, CEO ,Dolphin Labs Pune
Designation	CEO ,Dolphin Labs Pune
Objectives	Analyze various electric drives suitable for hybrid electric vehicles. Technologies used for hybrid electric vehicles and their control.
Beneficiary	SE Mechanical Engineering
Number of Participants	65
Course Outcome	<ol style="list-style-type: none"> 1. Overview of electric and hybrid electric vehicles, including their architecture, fundamental technologies, and principles. 2. Examination of various power electronics devices and electrical machines utilized within hybrid electric vehicles. 3. Exploration of diverse energy storage devices employed in hybrid electric vehicles.

HOD

Mechanical Engineering

HOD

Mechanical Engineering Department

Rajiv Gandhi College of Engineering





Date- 30/3/2022

Invitation Letter

To,
Mr. Chitaranjan Mahajan,
CEO , Dolphin Labs
Pune

Subject: Invitation to Conduct Workshop on: "Electric Vehicle"

Respected sir,

The Department of Mechanical Engineering is pleased to invite you to conduct workshop on "Electric Vehicle" in a month of April-2022. The aim of this session is to give knowledge about Overview of Electric and Hybrid Electric Vehicles and deep learning about advancement in EV to make easier Human life. Your experience will definitely help our students to discover new opportunities in the field of manufacturing.

We look forward to a positive response from you soon.

Thanking You.

With Regards,

accepted

[Handwritten Signature]



[Handwritten Signature]
HOD
Mechanical Engineering

HOD
Mechanical Engineering Department
R.G.C.E., Karjule Harya



Date- 01/4/2022

Department of Mechanical Engineering

Notice

All the third year Mechanical Engineering Students are hereby informed that the Workshop is organized on **Electric Vehicle** having an Expert **Mr. Chitaranjan Mahajan**, from **Dolphin Labs Pune** will be conducted on 07/04/2022 to 12/04/2022 by our college. The session shall be conducted in Class room. Hence all third year students are informed to attend the same.

HOD

Mechanical Engineering

HOD

Mechanical Engineering Department
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parnar, Dist. Ahmednagar





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Phone : 8975578687, 8975178687, 7447275353 Visit us at : www.rgcoe.org / email : rajivgandhi.10t@gmail.com

Workshop Syllabus:

1. Overview of Electric and Hybrid Electric Vehicles
2. Energy Storage Solutions for Electric and Hybrid Electric Vehicles
3. Electric Propulsion Systems
4. Design Considerations for Electric and Hybrid Electric Vehicles
5. Capacity Design of Electric Motor Drive and Transmission
6. Power Electronic Converters for Battery Charging in Electric and Hybrid Electric Vehicles


Course Co-ordinator


HOD
Mechanical Engineering


HOD
Mechanical Engineering
R.G.C.E., Karjule Harya





Electrical Vehicle Workshop Schedule

No.	Date	Topic Covered	Topic Duration
1	07/04/2022	<ul style="list-style-type: none"> • Configuration of Electric Vehicles • Performance of Electric Vehicles • Tractive effort and Transmission requirement 	6
2	08/04/2022	<ul style="list-style-type: none"> • Energy consumption • Architecture of Hybrid Electric Drive Trains • Types of Fuel Cells 	5
3	09/04/2022	<ul style="list-style-type: none"> • Modeling of PEMFC • Super capacitors • DC motor drives and speed control 	6
4	10/04/2022	<ul style="list-style-type: none"> • Motor Drives for Electric Vehicles • Series Hybrid Electric Drive Train Design • Sizing of major components 	6
5	11/04/2022	<ul style="list-style-type: none"> • design of electric motor drive capacity, transmission design, • energy storage design 	6
6	12/04/2022	<ul style="list-style-type: none"> • Charging methods for battery • Design of Z- converter for battery charging 	3





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Expert Session Feedback

Name of Student: Rohak Omkar Jalindar

Class: SE Mechanical Engineering

Name of Speaker: Mr. Chitaranjan Mahajan

Topic: Electrical Vehicle

1) Understanding of the session delivered

Excellent

Very good

Good

Average

2) Interaction with the student

Excellent

Very good

Good

Average

3) Whether workshop was useful to you

Excellent

Very good

Good

Average

4) Overall impression

Excellent

Very good

Good

Average

Any Suggestions

Very good


Sign of Student





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Expert Session Feedback

Name of Student: Barve Mahesh Vishu Class: SE Mechanical Engineering

Name of Speaker: Mr. Chitaranjan Mahajan

Topic: Electrical Vehicle

1) Understanding of the session delivered

Excellent Very good Good Average

2) Interaction with the student

Excellent Very good Good Average

3) Whether workshop was useful to you

Excellent Very good Good Average

4) Overall impression

Excellent Very good Good Average

Any Suggestions

Good.


Sign of Student





Expert Session Feedback

Name of Student: *Dunjad Pratik Satish*

Class: SE Mechanical Engineering

Name of Speaker: Mr. Chitaranjan Mahajan

Topic: Electrical Vehicle

1) Understanding of the session delivered

Excellent

Very good

Good

Average

2) Interaction with the student

Excellent

Very good

Good

Average

3) Whether workshop was useful to you

Excellent

Very good

Good

Average

4) Overall impression

Excellent

Very good

Good

Average

Any Suggestions

— NO suggestion

Pratik
Sign of Student





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Expert Session Feedback

Name of Student: *Chaitkward Pratik nanasa*

Class: SE Mechanical Engineering

Name of Speaker: Mr. Chitaranjan Mahajan

Topic: Electrical Vehicle

1) Understanding of the session delivered

Excellent

Very good

Good

Average

2) Interaction with the student

Excellent

Very good

Good

Average

3) Whether workshop was useful to you

Excellent

Very good

Good

Average

4) Overall impression

Excellent

Very good

Good

Average

Any Suggestions

— all overall is excellent.

Chaitkward
Sign of Student





Expert Session Feedback

Name of Student: *Sambale mahesh S*

Class: SE Mechanical Engineering

Name of Speaker: Mr. Chitaranjan Mahajan

Topic: Electrical Vehicle

1) Understanding of the session delivered

Excellent

Very good

Good

Average

2) Interaction with the student

Excellent

Very good

Good

Average

3) Whether workshop was useful to you

Excellent

Very good

Good

Average

4) Overall impression

Excellent

Very good

Good

Average

Any Suggestions

very nice

Mahesh
Sign of Student





Matoshri Shaikshanik Pratishthan's

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Students Feedback Analysis

Total No. of Student Present: 65

No. of Student filled Feedback: 65

Workshop on Electric Vehicle

Questions	Excellent	Very Good	Good	Average
Understanding of the session delivered	30	26	9	Nil
Interaction with the student	32	20	13	Nil
Whether workshop was useful to you	32	26	7	Nil
Overall impression	34	23	8	Nil

STUDENT FEEDBACK ANALYSIS





Matoshri Shaikshanik Pratishthan's

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STUDENT FEEDBACK ANALYSIS



Comments: -

fruitful knowlege & awairness of EV & modern trends.

Observation: -

Advance points are discussse

Action Taken: -

[Signature]
Co-ordinator

[Signature]
HOD



HOD
Mechanical Engineering Department
R.G.C.E., Karjule Harya



Date- 12/11/2022

Expert Feedback Form

Respected sir/madam, please give your valuable feedback

Name:- Mr. Chitaranjan Mahajan,

Organization:- Dolphin Labs Pune

Designation:- CEO ,

Contact No.:- 9763714860

Mail ID :- dolphinlabs17@gmail.com

Topic of Workshop:- Electric Vehicle

Sr. No	Description	Excellent	Very Good	Good	Adequate
1	Audio/video system arrangement	✓			
2	Cooperation from faculty/dept./institute		✓		
3	Content understanding level of students			✓	
4	Interaction of students				
5	Level of questions asked by the students				✓
6	Overall rating		✓		

Is there any additional feedback that you would like to offer?

Student should be more interactive in Q&A session.

Name & Sign of Authority

(Handwritten Signature)

Mr. C. Mahajan





Letter of Thanks

12/11/2022

To,

Mr. Chitaranjan Mahajan,
Dolphin Labs Pune

Dear Sir,

On behalf of Department of Mechanical Engineering, Rajiv Gandhi College of Engineering, Karjule Harya we would like to extend our heartiest thanks for accepting our invitation for workshop. Your workshop on "Electric Vehicle" will be helpful to our students.

Thank you for your motivation and benefitted valuable guidance. We are expecting similar kind of cooperation in future.

Sincerely,

HOD

Mechanical Engineering

Received

HOD
Mechanical Engineering Department
R.G.C.E., Karjule Harya



RAJIV GANDHI COLLEGE OF ENGINEERING

Department of Mechanical Engineering

SE MECH

Workshop On Electric Vehicle Academic Year:- 2021-22

07/04/2022 to 12/04/2022

Sr. No.	Name of Student	Email ID	Sr. No.	Name of Student	Email ID
1	AODUT ADHIJEEET DHANAJI	anodutabhijeet@gmail.com	33	KOTE AKSHAY RAMESH	koteakshay5@gmail.com
2	ASHTEKAR SANGHARSH SACHIN	ashtekarsangharsh@gmail.com	34	KUMATKAR KIRAN DNYANESHWAR	kirankumatkar14@gmail.com
3	BARVE MAHESH VISHNU	barvemahesh11@gmail.com	35	KUNDKAR VIJAY BHASKAR	vijaykundkar9604@gmail.com
4	BHADANE ANIKET NARHAR	aniketbhadane78@gmail.com	36	LABADE SANKET SUKHADEV	sanketlabade9606@gmail.com
5	BHAKARE ATUL SANTOSH	atulbhakare5954@gmail.com	37	MALVE SANTOSH MALHARI	smalve43@gmail.com
6	BIDKAR SWATI RAMESH	swatibidkar1849@gmail.com	38	MANDAGE ADITYA KAILAS	adityamandage96@gmail.com
7	BOMBALE MAHESH SUDHAKAR	Maheshbomble2000@gmail.com	39	MARE PRAJWAL BALAJI	prajwalmare1998@gmail.com
8	BUGADE SHRIYASH PRAKASH	shriyashbugade@gmail.com	40	MATE TEJAS RAJENDRA	tejasmate9015@gmail.com
9	DANGADE PRATIK SATISH	Pratikdangade30@gmail.com	41	MATHAR PRASAD SAINATH	prasadmathar5955@gmail.com
10	DHANWATE MAYUR BAPUSAHEB	mayurbdhanwate2017@gmail.com	42	MEHER PRATIK ASHOK	meherpratik77@gmail.com
11	DHONGADE PRASAD BAPUSAHEB	prasadhdhongade10@gmail.com	43	MHASKE SAURAV BALASAHEB	sauravmhaske32@gmail.com
12	DHOTRE AJINKYA ASHOK	ajinkyadhotre570@gmail.com	44	MHATRE VIVEK HARIBHAU	vivekmhatre@gmail.com
13	DHUMAL MANGESH MAHADEV	mangeshdhumal005@gmail.com	45	MORE ABHISHEK SHIVAJI	abhimore3535@gmail.com
14	DIVATE SHREERAM MADAN	shreeramdivate1805@gmail.com	46	NAVJUPE SHUBHAM SANJAY	navjupesubham52@gmail.com
15	DOKE SHUBHAM BALU	shubhamdoke007@gmail.com	47	PANDIT ADITYA KAILAS	ap7703650@gmail.com
16	GAIKWAD AMARDIP GOVIND	amargaikwad607@gmail.com	48	PATHAN ZAHID ABUBAKAR	zahid_pathan4m@yahoo.com
17	GAIKWAD PRAKASH NANASO	prakashgaikwad2411@gmail.com	49	PATIL HARSHAL RAVINDRA	Hp417307@gmail.com
18	GHODAKE PRANAV SATISH	pranavghodake2000@gmail.com	50	PATIL VIGHNESH VISHNU	Vighneshpatil55@gmail.com
19	GHUSALE VISHAL NAVNATH	vishalghusale125@gmail.com	51	PAWAR ROHIT ANKUSH	rohitankushpawar2020@gmail.com
20	GITE ABHIJIT MURALIDHAR	giteabhi1122@gmail.com	52	PAWAR SACHIN RAMA	pawarsp0571@gmail.com
21	HARALE YUVAJ SUNIL	yuvrajharale007@gmail.com	53	POTE AADESH OMKAR	adeshpote2021@gmail.com
22	HARVANE MAYUR SURESH	harvanemayur@gmail.com	54	SALUNKE ROHIT LAXMAN	rohitsalunke2157@gmail.com
23	INAMDAR ADIL AFAJAL	adilnamdar333@gmail.com	55	SALVI JITESH GANESH	jiteshsalvi2014@gmail.com
24	JADHAV PUSHPAK MAHADEV	jadhavpushpak5@gmail.com	56	SATPUTE APURV RAVI	apurvsatpute7@gmail.com
25	KADAM SHUBHAM LAHU	shubz1222000@gmail.com	57	SHILAWAT VAIBHAV BHAGWAN	vaibhavshilawat2002@gmail.com
26	KAKADE RUSHIKESH SAVKAR	rushikakade24@gmail.com	58	SHIMPI YOGESH BAPURAO	yb.shimpi8@gmail.com
27	KAMBALE VIKAS SAHEBRAO	kambalevikas354@gmail.com	59	SHINDE VISHAL RAJENDRA	shindevishal1238@123
28	KARALE DINESH ROHIDAS	karaledinesh55@gmail.com	60	SOLAT SOMNATH DATTATRAY	somnathsolat50@gmail.com
29	KHAIRNAR RAHUL RAJENDRA	rkhairnar724@gmail.com	61	SONAWANE SATISH SHARAD	Satishsonawane501@gmail.com
30	KOHAK OMKAR JALINDAR	omkarkohak1996@gmail.com	62	TELORE NIKHIL LAXMAN	nikhiltelore2001@gmail.com
31	KOLHE VIJAY RAMDAS	vijaykolhe38861@gmail.com	63	THOMBARE ABHIJIT KAILAS	abhijithom790@gmail.com
32	KOLHE VIKRAM ARUN	vikramkolhe.1997@gmail.com	64	TIRKHUNDE SAGAR SANJAY	Sagar1.9730331361@gmail.com
			65	TRIBHUVAN RAHUL PRAKASH	tribhuvan444@gmail.com



[Handwritten Signature]

Mechanical Engineering Department
R.G.C.O.E., Karpale Patta



MATOSHRI SHAIKSHANIK PRATISHTHAN'S, ANE
RAJIV GANDHI COLLEGE OF ENGINEERING
 Department of Mechanical Engineering

SE MECH

Workshop On Electric Vehicle Academic Year:- 2021-22
 07/04/2022 to 12/04/2022

Sr. No.	Name of Student	Email ID	07-04-22	08-04-22	09-04-22	10-04-22	11-04-22	12-04-22
1	AODUT ABHIJEET DHANAJI	aodutabhijeet@gmail.com	Done	Done	Done	Done	Done	Done
2	ASHTEKAR SANGHARSH SACHIN	ashtekar.sangharsh@gmail.com	Done	Done	Done	Done	Done	Done
3	BARVE MAHESH VISHNU	barvemahesh11@gmail.com	Done	Done	Done	Done	Done	Done
4	BHADANE ANIKET NARHAR	anikelbhadane70@gmail.com	Done	Done	Done	Done	Done	Done
5	BHAKARE ATUL SANTOSH	atulbhakare5054@gmail.com	Done	Done	Done	Done	Done	Done
6	BIDKAR SWATI RAMESH	swatibidkar1849@gmail.com	Done	Done	Done	Done	Done	Done
7	BOMBALE MAHESH SUDHAKAR	Maheshbomble2000@gmail.com	Done	Done	Done	Done	Done	Done
8	BUGADE SHRIYASH PRAKASH	shriyashbugade@gmail.com	Done	Done	Done	Done	Done	Done
9	DANGADE PRATIK SATISH	Pratikdangade30@gmail.com	Done	Done	Done	Done	Done	Done
10	DHANWATE MAYUR BAPUSAHEB	mayurbdhanwate2017@gmail.com	Done	Done	Done	Done	Done	Done
11	DHONGADE PRASAD BAPUSAHEB	prasadhsongade10@gmail.com	Done	Done	Done	Done	Done	Done
12	DHOTRE AJINKYA ASHOK	ajinkyadhotre570@gmail.com	Done	Done	Done	Done	Done	Done
13	DHUMAL MANGESH MAHADEV	mangeshdhumal009@gmail.com	Done	Done	Done	Done	Done	Done
14	DIVATE SHREERAM MADAN	shreeramdivate1005@gmail.com	Done	Done	Done	Done	Done	Done
15	DOKE SHUBHAM BALU	shubhamdoke007@gmail.com	Done	Done	Done	Done	Done	Done
16	GAIKWAD AMARDIP GOVIND	amargaikwad607@gmail.com	Done	Done	Done	Done	Done	Done
17	GAIKWAD PRAKASH NANASO	prakashgaikwad2411@gmail.com	Done	Done	Done	Done	Done	Done
18	GHODAKE PRANAV SATISH	pranavghodake2000@gmail.com	Done	Done	Done	Done	Done	Done
19	GHUSALE VISHAL NAVNATH	vishalghusale125@gmail.com	Done	Done	Done	Done	Done	Done
20	GITE ABHIJIT MURALIDHAR	giteabhi1122@gmail.com	Done	Done	Done	Done	Done	Done
21	HARALE YUVRAJ SUNIL	yuvrajharale007@gmail.com	Done	Done	Done	Done	Done	Done
22	HARVANE MAYUR SURESH	harvanemayur@gmail.com	Done	Done	Done	Done	Done	Done
23	INAMDAR ADIL AFAJAL	adilnamdar353@gmail.com	Done	Done	Done	Done	Done	Done
24	JADHAV PUSHPAK MAHADEV	jadhavpushpak5@gmail.com	Done	Done	Done	Done	Done	Done
25	KADAM SHUBHAM LAHU	shubz1222000@gmail.com	Done	Done	Done	Done	Done	Done
26	KAKADE RUSHIKESH SAVKAR	rushikakade24@gmail.com	Done	Done	Done	Done	Done	Done
27	KAMBALE VIKAS SAHEBRAO	kambalevikas354@gmail.com	Done	Done	Done	Done	Done	Done
28	KARALE DINESH ROHIDAS	karatedinesh55@gmail.com	Done	Done	Done	Done	Done	Done
29	KHAIRNAR RAHUL RAJENDRA	rkhairnar724@gmail.com	Done	Done	Done	Done	Done	Done
30	KOHAK OMKAR JALINDAR	omkarkohak1996@gmail.com	Done	Done	Done	Done	Done	Done
31	KOLHE VIJAY RAMDAS	vijaykolhe38861@gmail.com	Done	Done	Done	Done	Done	Done
32	KOLHE VIKRAM ARUN	vikramkolhe.1997@gmail.com	Done	Done	Done	Done	Done	Done
33	KOTE AKSHAY RAMESH	koteakshay5@gmail.com	Done	Done	Done	Done	Done	Done
34	KUMATKAR KIRAN DIWYANESHWAR	kiranumatkar14@gmail.com	Done	Done	Done	Done	Done	Done





Rajiv Gandhi College of Engineering, Karjule Harya,

Tal.-Parner, Dist.-Ahmednagar, Pin:414304

Email id: rajivgandhi.iot@gmail.com

www.rgcoe.org

Certificate

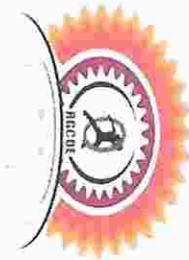
This is to certify that Mr. / Ms **AOUDIT ABHIJEET DHANAJI** has participated in **Electric Vehicle** which is organized by Department of **Mechanical Engineering** Dated **07 Apr. 2022 To 12 Apr.2022.**


IQAC In-charge

Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner,
Dist. Ahmednagar, Pin: 414304




PRINCIPAL
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. A. Nagar



Rajiv Gandhi College of Engineering, Karjule Harya,

Tal.-Parner, Dist.-Ahmednagar, Pin:414304

Email id: rajivgandhi.iot@gmail.com

www.rgcoe.org

Certificate

This is to certify that Mr. / Ms **ASHTEKAR SANGHARSH SACHIN** has participated in **Electric Vehicle** which is organized by Department of **Mechanical Engineering** Dated **07 Apr. 2022 To 12 Apr.2022.**

IQAC In-charge
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner
Dist. Ahmednagar-414304



PRINCIPAL
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner Dist. Ahmednagar



Rajiv Gandhi College of Engineering, Karjule Harya,

Tal.-Parner, Dist.-Ahmednagar, Pin:414304

Email id: rajivgandhi.iot@gmail.com

www.rgcoe.org

Certificate

This is to certify that Mr. / Ms **BARVE MAHESH VISHNU** has participated in **Electric Vehicle** which is organized by Department of **Mechanical Engineering** Dated **07 Apr. 2022 To 12 Apr.2022.**


IQAC In-charge
Rajiv Gandhi College of Engineering
Tal. Parner, Dist. Ahmednagar
Pin: 414304




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Karjule Harya, Tal. Parner Dist. Ahmednagar



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Tal.-Partner, Dist.-Ahmednagar, Pin:414304

Email id: rajivgandhi.iot@gmail.com

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This is to certify that Mr. / Ms **BHADANE ANIKET NARHAR** has participated in **Electric Vehicle** which is organized by Department of **Mechanical Engineering** Dated **07 Apr. 2022 To 12 Apr. 2022.**

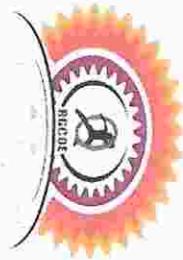

IQAC In-charge

Rajiv Gandhi College of Engineering
Tal. Partner Dist. Ahmednagar
Pin: 414304
Contact No: 98220414304




PRINCIPAL

Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Partner Dist. Ahmednagar



Rajiv Gandhi College of Engineering, Karjule Harya,

Tal.-Parner, Dist.-Ahmednagar, Pin:414304

Email id: rajivgandhi.iot@gmail.com

www.rgcoe.org

Certificate

This is to certify that Mr. / Ms **BHAKKARE ATUL SANTOSH** has participated in **Electric Vehicle** which is organized by Department of **Mechanical Engineering** Dated **07 Apr. 2022 To 12 Apr.2022.**

Parner

IQAC In-charge

Rajiv Gandhi College of Engineering
Parner, Dist. Ahmednagar,
Tal. Parner, Pin-414304



Principals

PRINCIPAL

Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner Dist. Ahmednagar



RAJIV GANDHI COLLEGE OF ENGINEERING

Recognised by Govt. of Maharashtra, Approved by AICTE & to Savitribai Phule Pune University/MSBTE, Mumbai.
Vitthalnagar, Kokate Vasti, Karjule Harya, (Takali Dhokeshwar) Nagar Kalyan Highway, Tal. Parner, Dist. Ahmednagar, Pin-414304.
Phone : 8975576687, 8975178887, 7447275353 Visit us at : www.rgcoe.org / email : rajivgandhi.1ot@gmail.com

Photos of Electric Vehicle





Date -8/12/2021

Department of Mechanical Engineering**Activity Report**

Title	AI-ML
Duration	30 Hrs.
Name of Speaker	Prof. Vidya .V. Jagtap Head of the Department, Department of Information Technology, BSIOTR, Wagholi, Pune
Designation	HOD
Objectives	Introduction to Feature Extraction & feature selection Statistical features, PCA, Decision tree, Applications of feature extraction and selection algorithms in Mechanical Engineering. Characteristics of reinforced learning; Algorithms, Q Learning, Applications of Reinforced Learning
Beneficiary	TE Mechanical Engineering
Number of Participants	62
Course Outcome	<ol style="list-style-type: none">1. Basics of electric and hybrid electric vehicles, their architecture, technologies and fundamentals2. Analyse the use of different power electronics devices and electrical machines in hybrid electric vehicles.3. Use of different energy storage devices used for hybrid electric


HOD

Mechanical Engg.

HOD

Mechanical Engineering Department
R.G.C.O.E., Karjule Harya



Invitation Letter

5/12/2021

To,
Prof. Vidya V. Jagtap
Head of the Department,
Department of Information Technology,
BSIOTR, Wagholi, Pune

Subject: Invitation as a Resource Person for 5 days online Workshop on
“**Application of Artificial Intelligence & Machine Learning in Mechanical Engineering**”

Respected Sir,

We are pleased to invite you as a Resource Person for the Seminar on “**Application of Artificial Intelligence & Machine Learning in Mechanical Engineering**” for our TE Mechanical students scheduled on **Monday 08/02/2021 to Friday 12/02/2021**. Your expertise and knowledge in the area would add a great value to the one and all, especially the budding engineers of the country who require the guidance and path-breaking ideas to lead their way through the tough competition in the Global market on this day.

With your vast and in-depth knowledge in the area, you would be expected to deliver the 5 days online workshop on the “**Application of Artificial Intelligence & Machine Learning in Mechanical Engineering**” as we are aware of your great contribution to this field of work.

We look forward to your presence and guidance in making the event successful.

Thanking you.

Yours faithfully,

Received

HOD Mech. Engg.

HOD

Mechanical Engineering Department
R.G.C.E., Karjule Harya





Matoshri Shaikshnik Pratishthan's

RAJIV GANDHI COLLEGE OF ENGINEERING

Estd. 2012

Recognised by Govt. of Maharashtra, Approved by AICTE & to Savitribai Phule Pune University/MSBTE, Mumbai.
Vitthalnagar, Kokate Vasti, Karjule Harya, (Takali Dhokeshwar) Nagar Kalyan Highway, Tal. Parner, Dist. Ahmednagar, Pin-414304.
Phone : 8975578687, 8975178687, 7447275353 Visit us at : www.rgcoe.org / email : rajivgandhi.iot@gmail.com

Date: 05/02/2021

NOTICE

5 Days online Workshop "Application of AIML in Mechanical Engineering"

All the students of Third Year Mechanical Engineering are hereby informed that Mechanical Engineering Department is organizing 5 Days online Workshop on "Application of Artificial Intelligence & Machine Learning in Mechanical Engineering" from 08/02/2021 to 12/02/2021. It is compulsory for all TE Mechanical Students.

Join the workshop using following link...

<https://us06web.zoom.us/j/7142202604?pwd=TkZLeU1MY2d5eUpqeTJ5WUJTRHIVUT09&omn=86422064458>

HOD Mech. Engg.

HOD

Mechanical Engineering Department
R.G.C.E., Karjule Harya

Copy to:-

- All the staff members of Mechanical Engineering Department.





Matoshri Shaikshanik Pratishthan's

RAJIV GANDHI COLLEGE OF ENGINEERING

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Phone : 8975576687, 8975178687, 7447275353 Visit us at : www.rgcoe.org / email : rajivgandhi.iot@gmail.com

Department of Mechanical Engineering

5 Days online Workshopon

"Application of AIML in Mechanical Engineering"

Syllabus Details:

Day 1 08/02/2021	Morning Session	Topic Name:	Introduction to AI & ML
		Content	Introduction to AI, Types of AI, Introduction to ML, Types of ML, Supervised learning, Unsupervised learning, Reinforcement learning.
	Afternoon Session	Topic Name:	Feature Extraction & feature selection
		Content	Introduction to Feature Extraction & feature selection Statistical features, PCA, Decision tree, Applications of feature extraction and selection algorithms in Mechanical Engineering
	Evening Session	Topic Name:	Common Application of AIML
		Content	Application of AIML in Agriculture, Medical, defense, etc.
Day 2 09/02/2021	Morning Session	Topic Name:	Classification & Regression
		Content	Introduction to Classification & Regression, different Algorithms, Decision tree, Random forest, Naive Bayes, Support vector machine, etc, Applications of classification and regression algorithms in Mechanical Engineering
	Afternoon Session	Topic Name:	Development of ML Model
		Content	Steps in ML modeling, Data Collection, Data pre-processing, Model Selection, Model training, Model evaluation.
	Evening Session	Topic Name:	Reinforced Learning & Applications of Reinforced Learning
		Content	Characteristics of reinforced learning; Algorithms, Q Learning, Applications of Reinforced Learning





Department of Mechanical Engineering

5 Days online Workshop on “Application of Artificial Intelligence & Machine Learning in Mechanical Engineering”

Schedule of Program (08/02/2021 – 12/02/2021)

Day & Date	Morning Session (10.00 am to 12.00 pm)		Afternoon Session (12.45 to 02.45 pm)		Evening Session (03.00 to 05.00 pm)
Day 1 06/02/2023	Session 1	L U N C H B R E A K	Session 2	S H O R T B R E A K	Session 3
	Introduction to AI & ML		Feature Extraction & feature selection		Common application of AIML
Day 2 07/02/2023	Session 4		Session 5		Session 6
	Classification & Regression		Development of ML Model		Reinforced Learning Application of Reinforced Learning
Day 3 08/02/2023	Session 7		Session 8		Session 9
	Deep Learning and Application of Deep Learning		ANN & CNN		Applications of AI in image based part Classification
Day 4 09/02/2023	Session 10		Session 11		Session 12
	Applications of AI in Manufacturing		Applications of AI in Predictive Maintenance		Applications of AI in process optimization and Role of AI in Conditioning Monitoring
Day 5 10/02/2023	Session 10		Session 11		Session 12
	Applications of AI in Material Inspection		Applications of AI in Fault Detection & implementation of Sensor Fault Detection		Applications of AI in Traffic Control



AIML WORKSHOP STUDENT FEEDBACK

Timestamp	Email address	Name of Student	Email	Understanding of the session delivered	Interaction with the student	Whether workshop was useful to you	Overall impression
18/02/2021 05:30:00	suvamaunde399@gmail.com	Aher Chetan Sariraj	suvamaunde399@gmail.com	Excellent	Very good	Good	Excellent
18/02/2021 05:39:03	jayodip1234@gmail.com	AHIRRAO JAYQDIP HEMANT	jayodip1234@gmail.com	Excellent	Good	Excellent	Average
18/02/2021 05:32:00	amit.tapkeer@gmail.com	AMIT VIJAY TAPKEER	amit.tapkeer@gmail.com	Good	Very good	Very good	Excellent
18/02/2021 05:31:01	siddharthbadakh28@gmail.com	BADAKH SIDDHARTH GORAKSHANATH	siddharthbadakh28@gmail.com	Very good	Excellent	Good	Very good
18/02/2021 05:30:00	shubham17belhekar@gmail.com	BELHEKAR SHUBHAM NAMDEV	shubham17belhekar@gmail.com	Good	Very good	Very good	Good
18/02/2021 05:33:00	bhalsingsaurabh6@gmail.com	BHALSING SAURABH SANJAY	bhalsingsaurabh6@gmail.com	Good	Good	Excellent	Good
18/02/2021 05:34:00	somnathbhise6@gmail.com	BRISE SOMNATH SURESH	somnathbhise6@gmail.com	Very good	Excellent	Average	Average
18/02/2021 05:36:00	rsbhoi14@gmail.com	BHOI RAVINA SHALIKRAO	rsbhoi14@gmail.com	Good	Good	Good	Very good
18/02/2021 05:35:00	ganyab@gmail.com	BUCHUDE GANESH NANA	ganyab@gmail.com	Excellent	Very good	Very good	Average
18/02/2021 05:37:00	poojachavan2917@gmail.com	CHAVAN POOJA SUNIL	poojachavan2917@gmail.com	Good	Excellent	Excellent	Excellent
18/02/2021 05:30:00	sachinchormal98@gmail.com	CHORMAL SUSHILKUMAR RANONATH	sachinchormal98@gmail.com	Average	Very good	Good	Average
18/02/2021 05:36:00	kundan.choudhari.52@gmail.com	CHOUDHARI KUNDAN DAULAT	kundan.choudhari.52@gmail.com	Excellent	Very good	Average	Very good
18/02/2021 05:33:00	paritoshdange1@gmail.com	DANGE PARITOSH PRAVIN	paritoshdange1@gmail.com	Very good	Very good	Very good	Very good
18/02/2021 05:34:00	rahuldarade78@gmail.com	DARADE RAHUL BAPU	rahuldarade78@gmail.com	Good	Good	Excellent	Average
18/02/2021 05:38:00	dhadgesuyog@gmail.com	DHADGE SUYOG BALU	dhadgesuyog@gmail.com	Very good	Excellent	Excellent	Excellent
18/02/2021 05:35:00	varshadhmal20744@gmail.com	DHUMAL VARSHA BHARAT	varshadhmal20744@gmail.com	Very good	Average	Very good	Average
18/02/2021 05:37:00	ravishankardivate@gmail.com	DIVATE RAVISHANKAR ASHOK	ravishankardivate@gmail.com	Average	Very good	Excellent	Average
18/02/2021 05:36:00	mdukare2013@gmail.com	DUKARE MININATH VIKRAM	mdukare2013@gmail.com	Excellent	Excellent	Good	Excellent
18/02/2021 05:33:00	gawarekartiki201@gmail.com	GAWARE KARTIKI SANJAY	gawarekartiki201@gmail.com	Good	Good	Average	Average
18/02/2021 05:30:00	manishghode09021988@gmail.com	GHODE MANISH SURESH	manishghode09021988@gmail.com	Very good	Very good	Good	Excellent
18/02/2021 05:36:00	shubhamingle95@gmail.com	INGLE SHUBHAM RAMESHRAO	shubhamingle95@gmail.com	Good	Very good	Very good	Very good
18/02/2021 05:38:00	dvjadhav37@gmail.com	JADHAV DIGAMBAR VINAYAK	dvjadhav37@gmail.com	Very good	Average	Good	Good
18/02/2021 05:37:00	jsjadhav7777@gmail.com	JADHAV JAYESH SUNIL	jsjadhav7777@gmail.com	Very good	Very good	Very good	Excellent
18/02/2021 05:36:00	shubhamsjadhav3399@gmail.com	JADHAV SHUBHAM SAKHARM	shubhamsjadhav3399@gmail.com	Very good	Very good	Very good	Good
18/02/2021 05:30:00	sujitjad2580@gmail.com	JADHAV SUJIT VYANKAT	sujitjad2580@gmail.com	Average	Very good	Excellent	Excellent
18/02/2021 05:34:00	gauravjaiswal4847@gmail.com	JAIJSWAL GAURAV RAVINDRA	gauravjaiswal4847@gmail.com	Excellent	Very good	Very good	Good
18/02/2021 05:36:00	prahankadus123@gmail.com	KADUS PRASHANT POPAT	prahankadus123@gmail.com	Very good	Excellent	Very good	Good
18/02/2021 05:35:00	akashkamble@gmail.com	KAMBLE AKASH MAHENDRA	akashkamble@gmail.com	Good	Good	Average	Very good
18/02/2021 05:37:00	prasadkaningdhwaj95@gmail.com	KANINGDHWAJ PRASAD NIVANUTTI	prasadkaningdhwaj95@gmail.com	Very good	Very good	Good	Good
18/02/2021 05:36:00	abhijeetkarande980@gmail.com	KARANDE ABHJEEET RAJU	abhijeetkarande980@gmail.com	Average	Good	Good	Average
18/02/2021 05:36:00	shubhamkarke123@gmail.com	KARKE SHUBHAM PRABHAKAR	shubhamkarke123@gmail.com	Good	Very good	Very good	Good
18/02/2021 05:33:00	maheshkawde108@gmail.com	KAWDE MAHESH BABASAHEB	maheshkawde108@gmail.com	Good	Very good	Good	Good
18/02/2021 05:34:00	siddheshkekan@gmail.com	KEKAN SIDDHESH ANAND	siddheshkekan@gmail.com	Very good	Good	Good	Very good
18/02/2021 05:35:00	khandavevishal27@gmail.com	KHANDAVE VISHAL DILIP	khandavevishal27@gmail.com	Good	Very good	Good	Good
18/02/2021 05:35:00	manojkhandvi31@gmail.com	KHANDVI MANOJ CHATUR	manojkhandvi31@gmail.com	Average	Very good	Very good	Very good
18/02/2021 05:37:00	ashishkharche41@gmail.com	KHARCHE ASHISH SONALI	ashishkharche41@gmail.com	Average	Good	Very good	Good
18/02/2021 05:30:00	prashantkolhe301097@gmail.com	KOLHE PRASHANT DILIP	prashantkolhe301097@gmail.com	Average	Good	Very good	Good
18/02/2021 05:36:00	yogeshmandlik555.ym@gmail.com	MANDLIK YOGESH ANNSAHEB	yogeshmandlik555.ym@gmail.com	Very good	Excellent	Excellent	Very good
18/02/2021 05:33:00	maheshmore1000@yahoo.in	MORE MAHESH BHARAT	maheshmore1000@yahoo.in	Very good	Very good	Very good	Good
18/02/2021 05:33:00				Average	Good	Very good	Excellent





Students Feedback Analysis

Online Workshop on "Application of Artificial Intelligence & Machine Learning in Mechanical Engineering"

Total No. of Student Present: 62

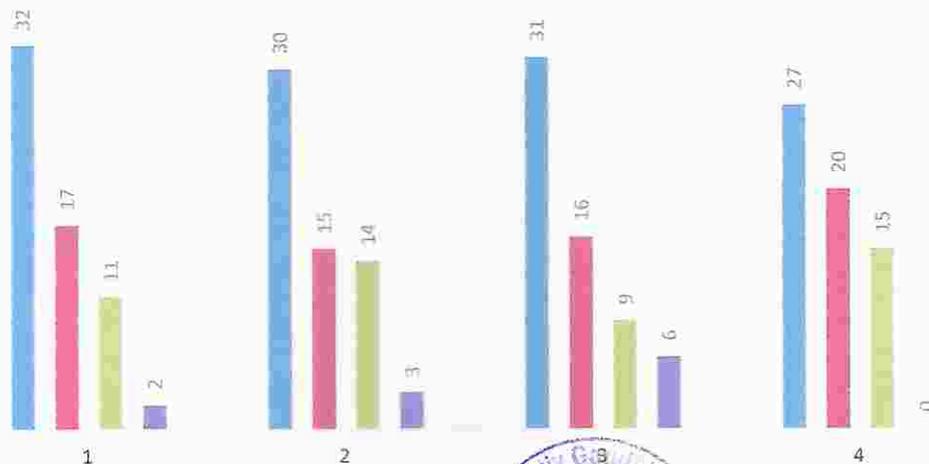
No. of Student filled Feedback: 62

- 1) Understanding of the session delivered
- 2) Interaction with the student
- 3) Whether workshop was useful to you
- 4) Overall impression

	Excellent	Very Good	Good	Average
1	32	17	11	2
2	30	15	14	3
3	31	16	9	6
4	27	20	15	Nil

CHART TITLE

■ Excellent ■ Very Good ■ Good ■ Average





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Chart Title



Comment:

Learn new Application in AITL.

Observation:

Nice Workshop.

Action Taken

Nil

Course Coordinator

Signature of HOD

HOD

Mechanical Engineering Department
R.G.C.O.E., Karjule Harya





Date-12/2/21

Expert Feedback Form

Respected sir/madam, please give your valuable feedback

Name:- Prof. Vidya V. Jagtap

Organization:- BSIOTR, Wagoli, Pune

Designation:- HOD of department of IT

Topic of Workshop:- "Application of Artificial Intelligence & Machine Learning in Mechanical Engineering"

Sr. No	Description	Excellent	Very Good	Good	Adequate
1	Audio/video system arrangement	✓			
2	Cooperation from faculty/dept./institute		✓		
3	Content understanding level of students	✓			
4	Interaction of students	✓			
5	Level of questions asked by the students		✓		
6	Overall rating				

Is there any additional feedback that you would like to offer?

ok

Jagtap
 Name & Sign of Authority





Letter of Thanks

To,
Prof. Vidya V. Jagtap
Head of the Department,
Department of Information Technology,
BSIOTR, Wagholi, Pune

Dear Madam,

It was really a great privilege to have your presence at Workshop on “**Application of Artificial Intelligence & Machine Learning in Mechanical Engineering**” which was held at our Institution on **Monday 08/02/2021 to Friday 12/02/2021**. I would like to express my gratitude for your valuable speech/presentation on “**Application of Artificial Intelligence & Machine Learning in Mechanical Engineering**” Your valuable guidance had helped us in past and in future as well. On behalf of the all the faculties of our institution, I greatly appreciate your expert talk.

I hope the same co-operation from you in near future.

Thanking you,

Yours faithfully,

HOD Mech. Engg.

HOD

Mechanical Engineering Department
R.G.C.O.E., Karjule Harya

Received



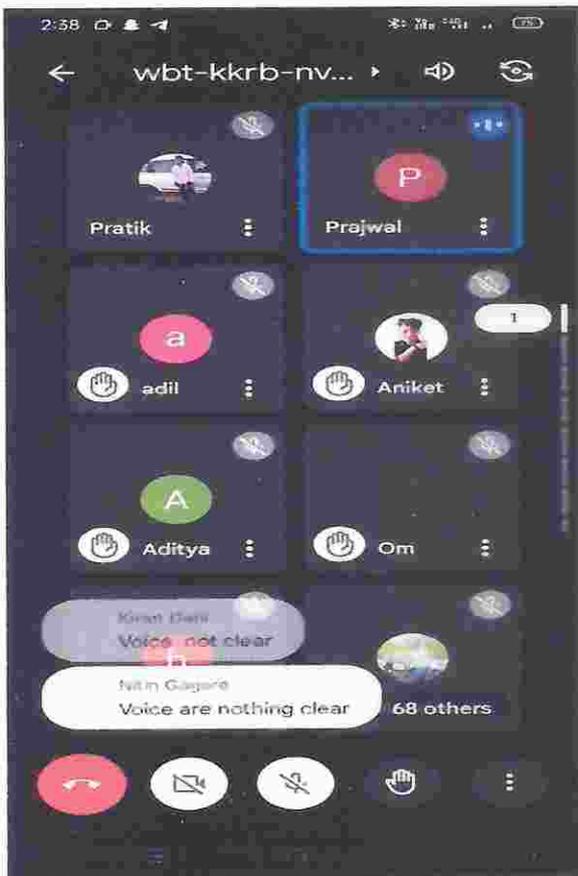
Department Of Mechanical Engineering

TOPIC- Application of Artificial Intelligence & Machine Learning in Mechanical Engineering”

SR NO	STUDENT LIST	DATE				
		8/2/2021	9/2/2021	10/2/2021	11/2/2021	12/2/2021
1	AHER CHETAN SANJAY	p	P	p	P	p
2	AHIRRAO JAYODIP HEMANT	P	P	P	P	P
3	AMIT VIJAY TAPKEER	p	P	p	P	p
4	BADAKH SIDDHARTH GORAKSHANATH	P	P	P	P	P
5	BELHEKAR SHUBHAM NAMDEV	p	P	p	P	p
6	BHALSING SAURABH SANJAY	P	P	P	P	P
7	BHISE SOMNATH SURESH	p	P	p	P	p
8	BHOI RAVINA SHALIKRAO	P	P	P	P	P
9	BUCHUDE GANESH NANA	p	P	p	P	p
10	CHAVAN POOJA SUNIL	P	P	P	P	P
11	CHORMAL SUSHILKUMAR RANGNATH	p	P	p	P	p
12	CHOUDHARI KUNDAN DAULAT	P	P	P	P	P
13	DANGE PARITOSH PRAVIN	p	P	p	P	p
14	DARADE RAHUL BAPU	P	P	P	P	P
15	DHADGE SUYOG BALU	p	P	p	P	p
16	DHUMAL VARSHA BHARAT	P	P	P	P	P
17	DIVATE RAVISHANKAR ASHOK	p	P	p	P	p
18	DUKARE MININATH VIKRAM	P	P	P	P	P
19	GAWARE KARTIKI SANJAY	p	P	p	P	p
20	GHODE MANISH SURESH	P	P	P	P	P
21	INGLE SHUBHAM RAMESHRAO	p	P	p	P	p
22	JADHAV DIGAMBAR VINAYAK	P	P	P	P	P
23	JADHAV JAYESH SUNIL	p	P	p	P	p
24	JADHAV SHUBHAM SAKHARM	P	P	P	P	P
25	JADHAV SUJIT VYANKAT	p	P	p	P	p
26	JAISWAL GAURAV RAVINDRA	P	P	P	P	P
27	KADUS PRASHANT POPAT	p	P	p	P	p
28	KAMBLE AKASH MAHENDRA	P	P	P	P	P
29	KANINGDHWAJ PRASAD NIVARUTTI	p	P	p	P	p
30	KARANDE ABHIJEET RAJU	P	P	P	P	P
31	KARKE SHUBHAM PRABHAKAR	p	P	p	P	p
32	KAWDE MAHESH BABASAHEB	P	P	P	P	P
33	KEKAN SIDDHESH ANAND	p	P	p	P	p
34	KHANDAVE VISHAL DILIP	P	P	P	P	P
35	KHANDVI MANOJ CHATUR	p	P	p	P	p
36	KHARCHE ASHISH SONAJI	P	P	P	P	P
37	KOLHE PRASHANT DILIP	p	P	p	P	p
38	MANDLIK YOGESH ANNASAHEB	P	P	P	P	P
39	MORE MAHESH BHARAT	p	P	p	P	p
40	NIKAM SANCHIT BALU	P	P	P	P	P
41	NIVALE RAHUL DNYANOBA	p	P	p	P	p



42	NIVDUNGE PRAVIN MAHADEV	P	P	P	P	P
43	PALWE NITIN SUBHASH	p	P	p	P	p
44	PATIL SHIVAM SATISH	P	P	P	P	P
45	PATIL SHUBHAM SUMERSINGH	p	P	p	P	p
46	PAWAR BAPU BABAN	P	P	P	P	P
47	PAWAR NAGESH BABAN	p	P	p	P	p
48	PISE SAURABH ASHOK	P	P	P	P	P
49	RAKESH CHANDRAKANT GADEKAR	p	P	p	P	p
50	SALVE KAILAS PRAKASH	P	P	P	P	P
51	SHAIKH SHAHBAZ ABDUL HANIF	p	P	p	P	p
52	SINGH ADITYA TEJPRATAP	P	P	P	P	P
53	SONULE SHUBHAM RAVINDRA	p	P	p	P	p
54	TEKE SHUBHAM CHANDRAKANT	P	P	P	P	P
55	THORAT SHUBHAM MURLIDHAR	p	P	p	P	p
56	THORAT VIKAS DNYANDEO	P	P	P	P	P
57	UNDE PRASHANT KARBHARI	p	P	p	P	p
58	VISHAL SANTOSH YELVANDE	P	P	P	P	P
59	WADHAVANE VAIBHAV POPAT	p	P	p	P	p
60	WAGH SHRIRAM BAPUSAHEB	P	P	P	P	P
61	WANDHEKAR PRASHANT RAJKUMAR	p	P	p	P	p
62	KATARIYA SHUBHAM SANTOSH	p	P	p	P	p





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Certificate

This is to certify that Mr. / Ms **AMIT VIJAY TAPKEER** has participated in

Application of Artificial Intelligence & Machine Learning in Mechanical Engineering

which is organized by Department of Mechanical Engineering Dated **08 Feb. 2021 To 12**

Feb.2021.



IQAC In-charge

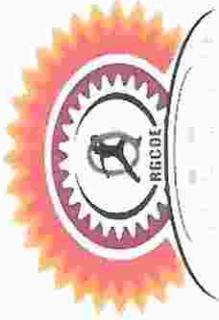
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Email id: rajivgandhi.iot@gmail.com

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Certificate

This is to certify that Mr. / Ms **BELHEKAR SHUBHAM NAMDEV** has participated in **Application of Artificial Intelligence & Machine Learning in Mechanical Engineering** which is organized by Department of **Mechanical Engineering** Dated **08**

Feb. 2021 To 12 Feb.2021.

IQAC In-charge

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Certificate

This is to certify that Mr. / Ms **BADAKH SIDDHARTH GORAKSHANATH** has participated in **Application of Artificial Intelligence & Machine Learning in Mechanical Engineering** which is organized by Department of Mechanical Engineering Dated **08 Feb. 2021 To 12 Feb.2021.**



IQAC In-charge

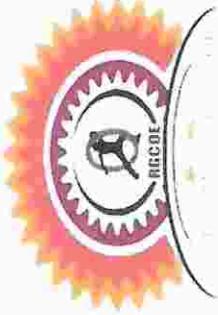
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Certificate

This is to certify that Mr. / Ms **AHIRRAO JAYODIP HEMANT** has participated
in **Application of Artificial Intelligence & Machine Learning in Mechanical Engineering**
which is organized by Department of **Mechanical Engineering** Dated **08 Feb. 2021 To 12**
Feb.2021.

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Email id: rajivgandhi.iot@gmail.com

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Certificate

This is to certify that **Mr. / Ms AHER CHETAN SANJAY** has participated in

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which is organized by Department of Mechanical Engineering Dated **08 Feb. 2021 To 12**

Feb.2021.



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Date: 12/01/2023

Department of E&TC Engineering

Activity Report

Title	" AI and ChatGPT"
Duration	4 th Jan to 10 th Jan 2023
Name Of Speaker	Dr. S. S. Khatal
Designation	Associate Professor
Objectives	The workshop aimed to provide participants with a comprehensive understanding of Artificial Intelligence (AI) and its application in natural language processing, with a focus on ChatGPT. Participants were introduced to fundamental concepts of AI, explored practical applications of AI technologies, and gained hands-on experience in using ChatGPT for various tasks.
Beneficiary	Students of electronics and telecommunication engineering, specifically those who are interested in pursuing careers in AI and ChatGPT or related fields.
Number of Participants	84
Course Outcomes	<ol style="list-style-type: none">1. Understanding the basics of artificial intelligence, including machine learning and natural language processing. .2. Learning about the principles behind chatbots and conversational agents.3. Gaining hands-on experience in training and deploying AI models, specifically focusing on ChatGPT. .4. Developing skills in programming languages such as Python for implementing AI solutions. .5. Exploring ethical considerations and implications of AI technologies, including biases and privacy concerns.6. Practicing problem-solving and critical thinking through real-world AI applications and case studies.7. Enhancing communication skills by designing and interacting with chatbots for various purposes.8. Collaborating with peers to brainstorm ideas and work on group projects involving AI and ChatGPT.9. Acquiring knowledge of industry best practices and emerging trends in AI-powered conversational systems10. Building a portfolio of projects demonstrating proficiency in AI and ChatGPT development.



Plati

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Ref: RGCOE/E&TC/2022-23/

Date: 27/12/2022

Invitation Letter

To

Dr. S. S. Khatal

SPCOE, Otur

PUNE, 412409

Subject: "AI and ChatGPT"

Respected sir,

On behalf of the Electronics and Telecommunication Department at Rajiv Gandhi collage of Engineering, I am writing to extend our heartfelt invitation for you to serve as a guest speaker for our course on AI and ChatGPT.

Event Details:

- Title: Guest Lecture on AI and ChatGPT
- Speaker: Dr. S. S. Khatal
- Duration: 04 January 2023 to 10 January 2023

Thanking You.

With Regards,

HOD

E&TC Department

HOD

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Ref: RGC OE/E&TC/2022-23/

Date: 27/12/2022

Department of E&TC Engineering

Notice

All year E&TC Engineering Students are hereby informed that the workshop is organized on 'AI & ChatGPT' having an expert Dr. S.S. Khatal from SPCOE Engineering College, Otur will be conducted 04 January 2023 to 10 January 2023 by our college. The session shall be conducted in Digital class room hence all year students are informed to attend the same.



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Department of E&TC Engineering

“AI and ChatGPT”

Syllabus

The following points were discussed during the Value-Added Courses

- ❖ Introduction to An Overview of Artificial Intelligence: Definitions, history, and current trends. Types of AI: Narrow AI vs. General AI. Applications of AI: Healthcare, finance, marketing, etc. Introduction to ChatGPT: History, capabilities, and use cases.
- ❖ Natural Language Processing (NLP) Basics Understanding Natural Language Processing: Text preprocessing, tokenization, and parsing. Sentiment Analysis: Techniques and tools for analyzing sentiment in text data. Named Entity Recognition (NER): Identifying and classifying entities in text. Hands-on Session: Participants engage in NLP tasks using Python libraries such as NLTK and SpaCy.
- ❖ ChatGPT in Action Working Principles of ChatGPT: Transformer architecture, training data, and fine-tuning. Building Conversational Agents: Design considerations and best practices. Use Cases of ChatGPT: Customer support, content generation, and language translation, etc.
- ❖ Practical Session: Participants create their own ChatGPT-based conversational agents and explore different use cases.
- ❖ Advanced Topics in AI Deep Learning Fundamentals: Neural networks, back propagation, and optimization algorithms. Reinforcement Learning: Basics of reinforcement learning and its applications. Ethics in AI: Bias, fairness, and responsible AI development. Future Trends in AI: Quantum computing, AI ethics, and human-AI collaboration.
- ❖ Project Presentations and Closing Ceremony Participants present their projects developed during the workshop.


Course Coordinator


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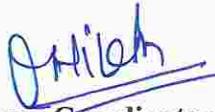
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Department of E&TC Engineering

Day	Date	Topic Covered	Topic Duration
1	04/01/2023	Introduction to An Overview of Artificial Intelligence: Definitions, history, and current trends. Types of AI: Narrow AI vs. General AI. Applications of AI: Healthcare, finance, marketing, etc. Introduction to ChatGPT: History, capabilities, and use cases.	6 Hr.
2	05/01/2023	Natural Language Processing (NLP) Basics Understanding Natural Language Processing: Text preprocessing, tokenization, and parsing. Sentiment Analysis: Techniques and tools for analyzing sentiment in text data. Named Entity Recognition (NER): Identifying and classifying entities in text. Hands-on Session: Participants engage in NLP tasks using Python libraries such as NLTK and SpaCy.	6 hr.
3	06/01/2023	ChatGPT in Action Working Principles of ChatGPT: Transformer architecture, training data, and fine-tuning. Building Conversational Agents: Design considerations and best practices. Use Cases of ChatGPT: Customer support, content generation, and language translation, etc. Practical Session: Participants create their own ChatGPT-based conversational agents and explore different use cases	6 hr.
4	09/01/2023	Advanced Topics in AI Deep Learning Fundamentals: Neural networks, back propagation, and optimization algorithms. Reinforcement Learning: Basics of reinforcement learning and its applications. Ethics in AI: Bias, fairness, and responsible AI development. Future Trends in AI: Quantum computing, AI ethics, and human-AI collaboration	6 hr.
5	10/01/2023	Project Presentations and Closing Ceremony Participants present their projects developed during the workshop.	5 hr.


Course Coordinator




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Expert Session Feedback

Class: SE, TE, BE

Name of Speaker: Dr. S.S. Khotal

Topic: "AI and chat GPT"

- 1) Understanding of the session delivered.
 Excellent Very Good Good Average
- 2) Interaction With the student.
 Excellent Very Good Good Average
- 3) Whether workshop was useful to you.
 Excellent Very Good Good Average
- 4) Overall impression.
 Excellent Very Good Good Average
- 5) Any Suggestion

over all OK





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Expert Session Feedback

Class: SEITE1BE

Name of Speaker: Dr. S.S. Khatal

Topic: "AI and Chat GPT"

- 1) Understanding of the session delivered.
 Excellent Very Good Good Average
- 2) Interaction With the student.
 Excellent Very Good Good Average
- 3) Whether workshop was useful to you.
 Excellent Very Good Good Average
- 4) Overall impression.
 Excellent Very Good Good Average
- 5) Any Suggestion

OK





Matoshri Shaikshanik Pratishthan's

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Expert Session Feedback

Class: SE, TE, BE

Name of Speaker: Dr. S.S. Khatai

Topic: "AI and chat GPT"

1) Understanding of the session delivered.

Excellent Very Good Good Average

2) Interaction With the student.

Excellent Very Good Good Average

3) Whether workshop was useful to you.

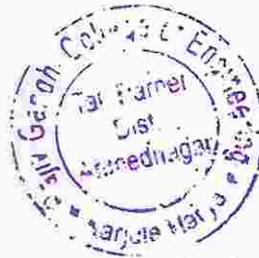
Excellent Very Good Good Average

4) Overall impression.

Excellent Very Good Good Average

5) Any Suggestion

No suggestion





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Expert Session Feedback

Class: SE, TE, BE

Name of Speaker: Dr. S.S. Khotal

Topic: "AI and chat GPT"

- 1) Understanding of the session delivered.
 Excellent Very Good Good Average
- 2) Interaction With the student.
 Excellent Very Good Good Average
- 3) Whether workshop was useful to you.
 Excellent Very Good Good Average
- 4) Overall impression.
 Excellent Very Good Good Average
- 5) Any Suggestion

Overall OK





Matoshri Shaikshanik Pratishtan's

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Expert Session Feedback

Class: SEITE, BE

Name of Speaker: Dr. S.S. Khatai

Topic: "AI and chat GPT"

- 1) Understanding of the session delivered.
 Excellent Very Good Good Average
- 2) Interaction With the student.
 Excellent Very Good Good Average
- 3) Whether workshop was useful to you.
 Excellent Very Good Good Average
- 4) Overall impression.
 Excellent Very Good Good Average
- 5) Any Suggestion

OK





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Student Feedback Analysis

Total No. of Student Present: 84

No. of Student filled Feedback: 84

- 1) Understanding of the session delivered
- 2) Interaction with the student
- 3) Whether workshop was useful to you
- 4) Overall impression

Student Feedback Analysis by Graphical Representation

STUDENT FEEDBACK ANALYSIS





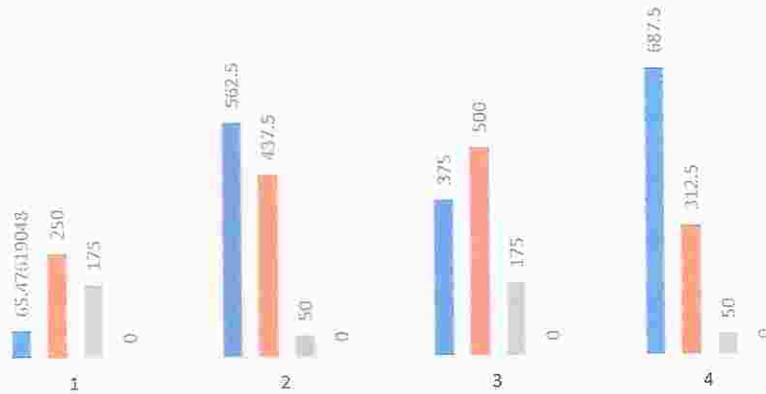
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PERCENTAGE

■ Excellent% ■ Very Good % ■ Good % ■ Average %



Comments:

No

Observation:

All clear

Action Taken:

No Issue

Pratik
Course Coordinator

Pratik
HOD



E&TC Department
HOD
E & TC Engineering Department
R G C.O E., Karjule harya



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Expert Feedback Form

Respected sir/madam, please give your valuable feedback

Email: -

Name: - Dr. Khatal S.S.

Organization: - SPCOE

Designation: - Associate Professor

Contact No.: - 8275929721

Topic of: - "AI and ChatGPT"

Sr. No.	Description	Excellent	Very Good	Good	Adequate
1	Audio/video system arrangement	✓			
2	Cooperation from faculty/dept/institute		✓		
3	Content understanding level of students		✓		
4	Interaction of students	✓			
5	Level of questions asked by the students		✓		
6	Overall rating	✓			

Is there any additional feedback that you would like to offer?

☒ all ok.



Name and Sign of Authority
Dr. S.S. Khatal.



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Ref: RGCOE/E&TC/2022-23/

Date: 10/01/2023

Letter of Thanks

To,

Dr. Khatal S.S.

SPCOE, Otur

Pune.

Dear Sir,

On behalf of Department of E&TC Engineering, Rajiv Gandhi College of Engineering, Karjule Harya we would like to extend our heartiest thanks for accepting our invitation for speech. Your Topic on "AI and ChatGPT" will be helpful to our students.

Thank you for your motivation and benefitted valuable guidance. We are expecting similar kind of cooperation in future.

Sincerely,

HOD

Moments of the workshop

E&TC Department

HOD

E & TC Engineering Department
R G C. O. E., Karjule Harya





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Certificate

This is to certify that Mr. / Ms. ANDHALE VISHNU GULAB has participated in **AI & Chatgpt** which is organized by Department of **E&TC Engineering** Dated **04 Jan, 2023** To **10 Jan, 2023**.


IQAC In-charge
Department of Engineering
Rajiv Gandhi College of Engineering
Tal. Parner, Dist. Ahmednagar
Pin-414304




PRINCIPAL
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Karjule Harya, Tal. Parner Dist. Ahmednagar





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This is to certify that Mr. / Ms. **BHANDARI AJIT SHIVAJI** has participated in **AI & Chatgpt** which is organized by Department of **E&TC Engineering** Dated **04 Jan. 2023** To **10 Jan.2023**.


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This is to certify that Mr. / Ms. BANE TEJAS SUBHASH has participated in **AI & Chatgpt** which is organized by Department of **E&TC Engineering** Dated **04 Jan. 2023** To **10 Jan.2023**.


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Email id: rajivgandhi.iot@gmail.com

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This is to certify that Mr. / Ms. AWARI GANESH SANTOSH has participated in **AI & Chatgpt** which is organized by Department of **E&TC Engineering** Dated **04 Jan. 2023** To **10 Jan.2023**.


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Function Sample Photos-





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Department of

Certificate/Add-on Course on " **AI & Chat-GPT** "

Class : **PE / SE / PE / BE**

Date : **04/01/23 to 10/01/23**

Attendance Sheet

Roll No	Name of Student	Day 1		Day 2		Day 3		Day 4		Day 5		Remark
		MS	AS									
1	BHUUJADE PRASHANT PUNDALIK	Present	-									
2	BHUBAL ASHISH LAHU	Present	-									
3	DAHITE PRASHANT DEVIDAS	Present	-									
4	DATIR NILESH KARBHARI	Present	-									
5	GUNJAL AKSHAY RANGNATH	Present	-									
6	GUNJAL SANKET BHASKAR	Present	-									
7	JADHAV NILESH SAHEBRAO	Present	-									
8	KORDE MAHESH DNYANESHWAR	Present	-									
9	KULKARNI AKASH SUNIL	Present	-									
10	LOHKARE PANCHPUJA ANKUSH	Present	-									
11	PAWAR SANKET SHIVAJI	Present	-									
12	POL RUTUJA HANMANT	Present	-									
13	SHINDE SNEHAL VIJAY	Present	-									
14	TAMBE SUSHIL KUMAR DATTATRAY	Present	-									
15	THORAT RUSHIKESH VIJAY	Present	-									
16	ZAWARE OMKAR JAYSING	Present	-									

Signature of Co-ordinator

Signature of HOD

MS: Morning Session, AS: Afternoon Session



HOD
F & TC Engineering Dept. Parner
R. G. C. E., Katjule Haryana

Matoshri Shaikshani Pratishtans
Rajiv Gandhi College of Engineering, Katjule Harya, Taki Dhokeshwar, Parner
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Department of E&TC Engineering

Certificate/Add-on Course on "**AI&E Chat-GPT**" " " Class : **PE/SE/TE/BE** / Date : **04/10/23 to 10/10/23**

Attendance Sheet

T.E.

Roll No	Name of Student	Day 1		Day 2		Day 3		Day 4		Day 5		Remark
		MS	AS									
01	Amritkar Rohit	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
02	Andhale Prati	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
03	Bansode Chandraharan	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
04	Bansode Pratik	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
05	Bolijomkar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
06	Chouhan Shambha	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
07	Dmorel Dattaraj	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
08	Dhalekar Anshu	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
09	Akshay Chavhan	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
10	Ajinkya Gode	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
11	RAHUL GUPTA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
12	Roshan Gupta	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
13	Hrudmantra	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
14	Pratik Tilak	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
15	Sajid Javade	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
16	Xisai Techa	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
17	Chetan Jadhav	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
18	Kadambkar Anshu	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
19	KITAM KADAMBAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
20	Kopse Aditya	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

Signature of Co-ordinator
Dhilesh

Signature of HOD
Prati



MS: Morning Session, AS: Afternoon Session

E & TC Engineering Dept. - 2023
 R.G.C.O.E., Katjule Harya



Certificate/Add-on Course on "**AI & Chat - GPT**" " Class: **FE / SE / TE / BE** Date: **02/10/23 to 10/10/23**

Attendance Sheet

Roll No	Name of Student	Day 1		Day 2		Day 3		Day 4		Day 5		Remark
		MS	AS									
21	Khushyee Mahesh											
22	Pabalakar Rohit S											
23	Rohit M. P. D. K.											
24	Ashish padmani											
25	Shri Kant Parul											
26	Retkar Shubhona											
27	Salv Sadan S.											
28	N. K. S. S. S.											
29	K. S. S. K. S.											
30	S. S. S. S.											
31	S. S. S. S.											
32	S. S. S. S.											
33	S. S. S. S.											
34	S. S. S. S.											

Signature of Co-ordinator


Signature of HOD




F & TC Engineering Dept. Parner
 HOD
 P. N. Joshi

MS: Morning Session, AS: Afternoon Session

Matoshri Shaikshanik Parishad's
Rajiv Gandhi College of Engineering, Katjule Harya, Takli Dhokeshwar, Parner
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Department of

Certificate/Add-on Course on " **AI & Chat-GPT** " Class : **PE / SE / PE / BE** Date : **04/01/23 to 10/01/23**

Attendance Sheet

Roll No	Name of Student	Day 1		Day 2		Day 3		Day 4		Day 5		Remark
		MS	AS									
1	Nitin A. Aher	Present										
2	Snehal K. Anshole	Absent										
3	Vishva G. Anshole	Present										
4	Pradip B. Arak	Present										
5	Ganesh Awaraj	Present										
6	Tejas Subhash Bawde	Present										
7	Amit Bhandari	Present										
8	Dattatray Bha	Present										
9	Prakash B. Chavhan	Present										
10	Vijay V. Chavhan	Present										
11	Manish S. Chavhan	Present										
12	Nehal S. Dhadphale	Present										
13	Rushikesh Gulraj Patil	Present										
14	Nishant S. Ghorane	Present										
15	Harshada Ghosavi	Present										
16	Darshad Jadhav	Present										
17	Jyotiraj Abhijit Patil	Present										
18	Alfred V. Kadam	Present										
19	Tejas Kakade	Present										
20	Rupaksha Rishav Patil	Present										

Signature of Co-ordinator
DNILAKH

Signature of HOD
Pradip



MS. Morning Session, AS. Afternoon Session



Department of
Certificate/Add-on Course on " AI & Chat-GPT "
 Class : PE / SE / TE / BE
 Date : 04/10/23 to 10/11/23

Attendance Sheet

Roll No	Name of Student	Day 1		Day 2		Day 3		Day 4		Day 5		Remark
		MS	AS									
21	Karve Adarsh	Present										
22	Dikta mandlik	Present										
23	Satish Mahesh	Present										
24	Khase Mahesh R	Present										
25	Rastrapre S. Madhura	Present										
26	Susroha D. Mune	Present										
27	Naravade Anandh	Present										
28	Nigunt Pawar	Present										
29	Pandarkar Pradip	Present										
30	Pathan Farook	Present										
31	Rohit Sable	Present										
32	Shinde Geetanjali	Present										
33	Shinde Rutra	Present										
34	Timboli Sejal	Present										
35	Sampal Jyoti	Present										
36	Parthiv Zairar	Present										

Signature of Co-ordinator
Onillesh

Signature of HOD
Pratik



MIS: Morning Session, AS: Afternoon Session

F & TC Engineering Dept. Partner
R.G. Co. E., Katjule Harya



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Date: 22/12/2021

Department of E&TC Engineering

Activity Report

Title	Automation technology – PLC & SCADA
Duration	36 hr.
Name of Speaker	Dr. Sunil Kumar
Designation	Assistant Professor
Objectives	The objective of the course is to provide participants with comprehensive knowledge and practical skills in automation technology, specifically focusing on Programmable Logic Controllers (PLC) and Supervisory Control and Data Acquisition (SCADA) systems.
Beneficiary	The course is beneficial for engineering students, professionals, and anyone interested in gaining expertise in automation technology for industrial applications.
Number of Participants	59
Course Outcomes	<ol style="list-style-type: none">1. Understanding the principles and applications of PLC and SCADA systems.2. Proficiency in programming PLCs for various industrial automation tasks.3. Competence in designing and implementing SCADA systems for real-time monitoring and control.4. Hands-on experience in troubleshooting and maintenance of automation systems.5. Ability to integrate PLC and SCADA systems for seamless automation solutions.6. Knowledge of industry best practices and standards in automation technology.



[Handwritten Signature]

HOD

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Ref: RGCOE/E&TC/2021-22/

Date: 04/12/2021

Invitation Letter

To

Dr. Sunil Kumar

Vignana Bharathi Engineering College,

Hyderabad -500003

Subject: "Automation technology – PLC & SCADA"

Respected sir,

On behalf of the Electronics and Telecommunication Department at Rajiv Gandhi collage of Engineering, I am writing to extend our heartfelt invitation for you to serve as a guest speaker for our course on "Automation technology – PLC & SCADA".

Event Details:

- Title: Guest Lecture on "Automation technology – PLC & SCADA"
- Speaker: Dr. Sunil Kumar
- Duration: 16 dec 2021 to 21 dec 2021

Thanking You.

With Regards,

HOD

E&TC Department

HOD

E & TC Engineering Department
R G C. O. E., Karjule Harya





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Ref: RGCOE/E&TC/2021-22/

Date: 04/12/2021

Department of E&TC Engineering

Notice

All year E&TC Engineering Students are hereby informed that the workshop is organized on 'Automation technology – PLC & SCADA' having an expert Dr. Sunil Kumar from Vignana Bharathi Engineering College, Hyderabad will be conducted 16 dec 2021 to 21 dec 2021 by our college. The session shall be conducted in Digital class room hence all year students are informed to attend the same.



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Department of E&TC Engineering

“Automation technology – PLC & SCADA”

Syllabus

The following points were discussed during the Value-Added Courses

- ❖ Introduction to Automation Technology, Basics of PLCs
- ❖ PLC Programming Languages and Logic Operations
- ❖ SCADA Fundamentals, HMI Design Principles
- ❖ PLC-SCADA Integration, Communication Protocols
- ❖ Real-time Data Acquisition and Control Techniques
- ❖ Advanced Topics in Automation, Case Studies and Applications

Course Co-Ordinator

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Department of E&TC Engineering

“Automation technology – PLC & SCADA”

Day	Date	Topic Covered	Topic Duration
1	16/12/2021	Introduction to Automation Technology and PLC Basics	6hr
2	17/12/2021	PLC Programming Languages and Logic Operations	6hr
3	18/12/2021	SCADA Fundamentals and Human-Machine Interface (HMI) Design	6hr
4	19/12/2021	PLC-SCADA Integration and Communication Protocols	6hr
5	20/12/2021	Real-time Data Acquisition and Control Techniques	6hr
6	21/12/2021	Advanced Topics in Automation, Case Studies, and Applications	6hr


Course Co-Ordinator




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Expert Session Feedback

Class: SEITE1BE

Name of Speaker: Dr. Sunil Kumar

Topic: Automation technology - PLC & SCADA

1) Understanding of the session delivered.

Excellent

Very Good

Good

Average

2) Interaction With the student.

Excellent

Very Good

Good

Average

3) Whether workshop was useful to you.

Excellent

Very Good

Good

Average

4) Overall impression.

Excellent

Very Good

Good

Average

5) Any Suggestion

No Suggestion





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Expert Session Feedback

Class: SE, TE, BE

Name of Speaker: Dr. Sunil. Kumar

Topic: Automation technology - PLC & SCADA

- 1) Understanding of the session delivered.
 Excellent Very Good Good Average
- 2) Interaction With the student.
 Excellent Very Good Good Average
- 3) Whether workshop was useful to you.
 Excellent Very Good Good Average
- 4) Overall impression.
 Excellent Very Good Good Average
- 5) Any Suggestion
its ok





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Expert Session Feedback

Class: SE.TE10E

Name of Speaker: Dr. Sunil Kumar

Topic: Automation technology - PLC & SCADA

1) Understanding of the session delivered.

Excellent Very Good Good Average

2) Interaction With the student.

Excellent Very Good Good Average

3) Whether workshop was useful to you.

Excellent Very Good Good Average

4) Overall impression.

Excellent Very Good Good Average

5) Any Suggestion

No Suggestion.





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Expert Session Feedback

Class: SE, TE, BE

Name of Speaker: Dr. Sunil Kumar

Topic: Automation technology - PLC & SCADA

- 1) Understanding of the session delivered.
 Excellent Very Good Good Average
- 2) Interaction With the student.
 Excellent Very Good Good Average
- 3) Whether workshop was useful to you.
 Excellent Very Good Good Average
- 4) Overall impression.
 Excellent Very Good Good Average
- 5) Any Suggestion

over all OK





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Expert Session Feedback

Class: SE, TE, BE

Name of Speaker: Dr. Sunil Kumar

Topic: Automation technology - PLC & SCAOA

- 1) Understanding of the session delivered.
 Excellent Very Good Good Average
- 2) Interaction With the student.
 Excellent Very Good Good Average
- 3) Whether workshop was useful to you.
 Excellent Very Good Good Average
- 4) Overall impression.
 Excellent Very Good Good Average
- 5) Any Suggestion

Best





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Student Feedback Analysis

Total No. of Student Present: 59

No. of Student filled Feedback: 59

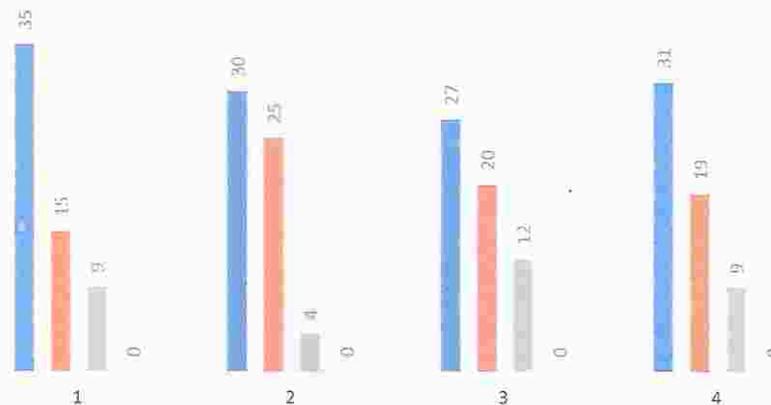
- 1) Understanding of the session delivered
- 2) Interaction with the student
- 3) Whether workshop was useful to you
- 4) Overall impression

	Excellent	Very Good	Good	Average
Understanding of the session delivered	35	15	9	Nil
Interaction with the student	30	25	4	Nil
Whether workshop was useful to you	27	20	12	Nil
Overall impression	31	19	9	Nil

Student Feedback Analysis by Graphical Representation

STUDENT FEEDBACK ANALYSIS

■ Excellent ■ Very Good ■ Good ■ Average



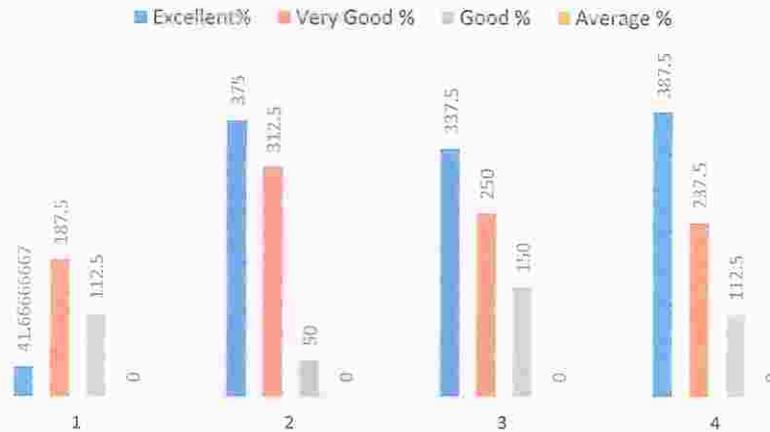


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PERCENTAGE



Comments:

OK

Observation:

Nil

Action Taken:

[Signature]
Course Co-Ordinator



[Signature]
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Expert Feedback Form

Respected sir/madam, please give your valuable feedback

Email: -

Name: - Dr. Sunil Kumar,

Organization: - Assistant professor, VBEC, Hyderabad.

Designation: - Assistant Professor.

Contact No.: -

Topic of: - "Automation technology – PLC & SCADA"

Sr. No.	Description	Excellent	Very Good	Good	Adequate
1	Audio/video system arrangement	✓			
2	Cooperation from faculty/dept/institute		✓		
3	Content understanding level of students			✓	
4	Interaction of students		✓		
5	Level of questions asked by the students				
6	Overall rating		✓		

Is there any additional feedback that you would like to offer?

OK,



Name and Sign of Authority

Dr. Sunil Kumar



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Ref: RGCOE/E&TC/2021-22/

Date: 21/12/2021

Letter of Thanks

To,

Dr. Sunil Kumar

Dear sir,

On behalf of Department of E&TC Engineering, Rajiv Gandhi College of Engineering, Karjule Harya we would like to extend our heartiest thanks for accepting our invitation for speech. Your Topic on "Automation technology – PLC & Scada" will be helpful to our students.

Thank you for your motivation and benefitted valuable guidance. We are expecting similar kind of cooperation in future.

Sincerely,



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Function Sample Photos-





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students' certificates –



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Certificate

This is to certify that Mr. / Ms. CHAVAN SHRUTIKA SUJAY has participated in **Automation Technology PLC & SCADA** which is organized by Department of **E&TC Engineering** Dated **16 Dec. 2021 To 21 Dec.2021.**



IQAC In-charge
Dept. of Electrical Engineering
Karjule Harya, Tal. Parner
Dist. Ahmednagar-414304





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Email id: rajivgandhi.iot@gmail.com

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This is to certify that Mr. / Ms. **GUPTA RAHUL RAMBUJHARAT** has participated in **Automation Technology PLC & SCADA** which is organized by Department of **E&TC Engineering** Dated **16 Dec. 2021 To 21 Dec. 2021**.


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Certificate

This is to certify that Mr. / Ms. **KADAM SWAPNIL SUNIL** has participated in **Automation Technology PLC & SCADA** which is organized by Department of **E&TC Engineering** Dated **16 Dec. 2021 To 21 Dec.2021**.


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Attendance of Students

Class: SE, TE & BE

Workshop Topic: "Automation technology – PLC & SCADA"

Sr.No.	Name of Student	Day1	Day2	Day3	Day4	Day5
1	AUTI NAVNATH KAKASAHEB	Auti	Auti	Auti	Auti	Auti
2	BHILARE VISHAL SHARADKUMAR	Bishal	Bishal	Bishal	Bishal	Bishal
3	CHAUDHARI RAJU SABAJI	Raju	Raju	Raju	Raju	Raju
4	FARANDE BANDU TUKARAM	Bandu	Bandu	Bandu	Bandu	Bandu
5	GAGARE NIKHIL KAILAS	Nikhil	Nikhil	Nikhil	Nikhil	Nikhil
6	HANGARGE SHIVLILA SADANAND	S.H.	S.H.	S.H.	S.H.	S.H.
7	INDRE RAVINDRA NAGORAO	M. Jadhav				
8	JADHAV MANGESH BALASAHEB	M.	M.	M.	M.	M.
9	JADHAV VINAYAK SAHEBRAO					
10	MORE PRADIP NIMBA	More	More	More	More	More
11	NEHUL VAISHALI SAMBHAJI	Vaishali	Vaishali	Vaishali	Vaishali	Vaishali
12	SINGH UDIT TEJPRATAP	Singh	Singh	Singh	Singh	Singh
13	JADHAV RAKESH SHIVAJIRAO	A.B.	A.B.	A.B.	A.B.	A.B.
14	BHUBAL ASHISH LAHU	Ashish	Ashish	Ashish	Ashish	Ashish
15	DAHITE PRASHANT DEVIDAS	P.P.	P.P.	P.P.	P.P.	P.P.
16	DATIR NILESH KARBHARI	Datir	Datir	Datir	Datir	Datir
17	GUNJAL AKSHAY RANGNATH	gunjal	gunjal	gunjal	gunjal	gunjal
18	GUNJAL SANKET BHASKAR	Sanket	Sanket	Sanket	Sanket	Sanket
19	JADHAV NILESH SAHEBRAO	Nilesh	Nilesh	Nilesh	Nilesh	Nilesh
20	KORDE MAHESH DNYANESHWAR	Korde	Korde	Korde	Korde	Korde
21	KULKARNI AKASH SUNIL	Akash	Akash	Akash	Akash	Akash
22	LOHKARE PANCHFULA ANKUSH	A.P.	A.P.	A.P.	A.P.	A.P.
23	PAWAR SANKET SHIVAJI	S.P.	S.P.	S.P.	S.P.	S.P.
24	POL RUTUJA HANMANT	Rutuja	Rutuja	Rutuja	Rutuja	Rutuja
25	SHINDE SNEHAL VIJAY	Snehal	Snehal	Snehal	Snehal	Snehal
26	TAMBE SUSHILKUMAR DATTATRAY	Shambh	Shambh	Shambh	Shambh	Shambh
27	THORAT RUSHIKESH VIJAY	Ritosh	Ritosh	Ritosh	Ritosh	Ritosh
28	ZAWARE OMKAR JAYSING	Om	Om	Om	Om	Om
29	AMRUTKAR RAHUL RAJENDRA	Rahul	Rahul	Rahul	Rahul	Rahul
30	ANDHALE PRATIKSHA RAVINDRA	Andhale	Andhale	Andhale	Andhale	Andhale
31	BANSODE CHANDRAKANT DATTATRAY	Bansode	Bansode	Bansode	Bansode	Bansode
32	BANSODE PRAFULLA BHASKAR	Balji	Balji	Balji	Balji	Balji
33	BOLIJ OMKAR RAVINDRA	omkar	omkar	omkar	omkar	omkar
34	CHAVAN SHRUTIKA SUJAY	Chavan	Chavan	Chavan	Chavan	Chavan
35	DASPUTE PRAMOD SUDHAKAR	Pramod	Pramod	Pramod	Pramod	Pramod
36	DATIR AJAY PANDURANG	Ajay	Ajay	Ajay	Ajay	Ajay
37	DINDKAR PRASHANT NANDKUMAR	Prashant	Prashant	Prashant	Prashant	Prashant





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38	GHUSHINGE AKSHAY FAKIRCHAND	Akshay	Akshay	Akshay	Akshay	Akshay
39	GORSE AJINKYA SUNIL	GORE	GORE	GORE	GORE	GORE
40	GUPTA RAHUL RAMBUJHARAT	Rahul	Rahul	Rahul	Rahul	Rahul
41	GUPTA ROSHAN JOGENDARA					
42	HANUMANTE GANESH LAXMAN	Ganesh	Ganesh	Ganesh	Ganesh	Ganesh
43	HIRODE PRATIK RAMESHWAR	HARDE	HARDE	HARDE	HARDE	HARDE
44	INAMDAR SAJID JAINUDDIN	Sajid	Sajid	Sajid	Sajid	Sajid
45	JADHAV VIRAJ JITENDRA	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
46	JAGTAP CHETAN RANGNATH	Jagtap	Jagtap	Jagtap	Jagtap	Jagtap
47	KADAM SWAPNIL SUNIL	Swapnil	Swapnil	Swapnil	Swapnil	Swapnil
48	KADNOR KIRAN MANJABAPU	KIRAN	KIRAN	KIRAN	KIRAN	KIRAN
49	KAMBLE OMKAR RAJARAM	Omkar	Omkar	Omkar	Omkar	Omkar
50	KAPSE ADITYA PRAKASH	Kapshya	Kapshya	Kapshya	Kapshya	Kapshya
51	KHANDGE MAHESH VITTHAL	Khand	Khand	Khand	Khand	Khand
52	PABALKAR ROHIT SANJAY					
53	PANDHARE PANKAJ MAHESH	PPM	PPM	PPM	PPM	PPM
54	PARDESHI ASHISH SUBHASH	Ashish	Ashish	Ashish	Ashish	Ashish
55	PAUL SHRIKANT BHAGVAT					
56	PETKAR SHUBHAM SANJAY	Shubham	Shubham	Shubham	Shubham	Shubham
57	SALVE SACHIN SURESH	Sachin	Sachin	Sachin	Sachin	Sachin
58	SANGALE NILESH SANJEEV	Nilesh	Nilesh	Nilesh	Nilesh	Nilesh
59	SHELKE KIRAN ARUN	Shelke	Shelke	Shelke	Shelke	Shelke
60	SHINDE RAHUL NAMDEV	Rahul	Rahul	Rahul	Rahul	Rahul
61	UDAGE SHUBHAM MADHUKAR	Shubham	Shubham	Shubham	Shubham	Shubham
62	VAHADNE OMKAR PRAKASH	Vahadane	Vahadane	Vahadane	Vahadane	Vahadane
63	WAGH RAHUL BALSHIRAM	Wagh	Wagh	Wagh	Wagh	Wagh





Date: 21/02/2020

Department of E&TC Engineering**Activity Report**

Title	"Android App Development"
Duration	30 hours
Name Of Speaker	Mr.P.N.Mahalle
Designation	BOS Chairman Computer Engineering, HOD Computer Engg SKNCOE,Pune.
Workshop coordinator	Prof. Kulkarni G.M.
Beneficiary	SE, TE, BE E&TC Engineering Students
Number Of Participants	11
Course Outcomes	Workshop on "Android App Development" for all E&TC Engineering students was organized by the Department of E&TC Engineering on February 15th to 20th, 2020. There were 11 participants, who attended the session. The expert was invited from SKNCOE,Pune. Outcomes from Workshop- -Getting Practical knowledge for android app development. -Insights about Android development Technology. -Create Impressive apps for business. -Create user interface for Androd app. -Build application using Android platform.



Rajiv
HOD
E & TC Engineering Department
R G C O E., Karjule Harya



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Phone : 8975578687, 8975178687, 7447275353 Visit us at : www.rgcoe.org / email : rajivgandhi.iot@gmail.com

Ref: RGCOE/E&TC/2019-20/

Date : 10/02/2024

Invitation Letter

To,

Mr. P. N. Mahalle
BOS Chairman Computer Engineering,
HOD Computer Engg. SKNCOE,
Pune.

Subject: Invitation to Conduct Workshop on Android App Development.

Respected sir,

The Department of Computer Engineering and E&TC Engineering is pleased to invite you to conduct workshop on **Android App Development** on 15th Feb 2020 to 20th Feb 2020. The objective of this session is for how to develop Android App. Your experience will definitely help our students to discover new opportunities in the Foreign University.

We look forward to a positive response from you soon.

Thanking You.

With Regards,




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Ref: RGCOE/E&TC/2019-20/

Date : 13/02/2020

Department of E&TC Engineering

Notice

All year E&TC Engineering Students are hereby informed that the workshop is organized on 'Android App Development' having an expert Mr. P. N. Mahalle from SNKPU, Pune will be conducted 15th Feb 2020 to 20th Feb 2020 by our college. The session shall be conducted in Digital class room hence all year students are informed to attend the same.



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Department of E&TC Engineering

Workshop on 'Android App Development'

Syllabus

1. Introduction to Android studio, SDK and emulator.
2. Basic Android Project Essential files in a basic android project, introduction to Manifest, source and resource files.
3. Activity and life cycle Introduction to activity and its life cycle.
4. Layouts and controls Designing user interface with various layouts and built-in controls.
5. Linking activities Launching application activities and passing data between activities. Invoking built-in apps
6. Data Persistence Storing data to internal storage, external storage and SQLite database.
7. List View and Adapters Implementing List View with built-in adapters and custom adaptors.
8. Broadcasting and Services Sending and receiving broadcast messages.
9. Implementing background services.


Course Co-ordinator





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R G C O E., Karjule Harya

**Department of Computer Engineering****Workshop on Android App Development**

DAY	Date	Topic Covered	Topic Duration
1	15-02-2020	1. Introduction to Android studio, SDK and emulator.	5hr
2	16-02-2020	1. Basic Android Project Essential files in a basic android project, introduction to Manifest, source and resource files.	5hr
3	17-02-2020	1. Activity and life cycle Introduction to activity and its life cycle. 2. Layouts and controls Designing user interface with various layouts and built-in controls.	5hr
4	18-02-2020	1. Linking activities Launching application activities and passing data between activities. Invoking built-in apps	5hr
5	19-02-2020	1. Data Persistence Storing data to internal storage, external storage and SQLite database. 2. List View and Adapters Implementing List View with built-in adapters and custom adaptors.	5hr
6	20-02-2020	1. Broadcasting and Services Sending and receiving broadcast messages. 2. Implementing background services.	5hr

Course Co-ordinator



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Expert Session Feedback

Class: SE, TE, BE

Name of Speaker: Mr. P.N. Mahale

Topic: "Android App Development"

- 1) Understanding of the session delivered.
 Excellent Very Good Good Average
- 2) Interaction With the student.
 Excellent Very Good Good Average
- 3) Whether workshop was useful to you.
 Excellent Very Good Good Average
- 4) Overall impression.
 Excellent Very Good Good Average

5) Any Suggestion

No Suggestion.





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Expert Session Feedback

Class: SEITE18E

Name of Speaker: Mr. PN. Mohale

Topic: "Android App Development"

1) Understanding of the session delivered.

Excellent Very Good Good Average

2) Interaction With the student.

Excellent Very Good Good Average

3) Whether workshop was useful to you.

Excellent Very Good Good Average

4) Overall impression.

Excellent Very Good Good Average

5) Any Suggestion

No Suggestion.





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Expert Session Feedback

Class: SE, TE, BE

Name of Speaker: Mr. P.N. Mohale

Topic: "Android App Development"

1) Understanding of the session delivered.

Excellent Very Good Good Average

2) Interaction With the student.

Excellent Very Good Good Average

3) Whether workshop was useful to you.

Excellent Very Good Good Average

4) Overall impression.

Excellent Very Good Good Average

5) Any Suggestion

it's good.





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Expert Session Feedback

Class: S E, T E, B E

Name of Speaker: Mr. P. N. Mahole

Topic: " Android APP Development "

- 1) Understanding of the session delivered.
 Excellent Very Good Good Average
- 2) Interaction With the student.
 Excellent Very Good Good Average
- 3) Whether workshop was useful to you.
 Excellent Very Good Good Average
- 4) Overall impression.
 Excellent Very Good Good Average

5) Any Suggestion

it's ok





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Expert Session Feedback

Class: SE, TE, DE

Name of Speaker: Mr. P.N. Mahalle

Topic: "Android APP Development"

- 1) Understanding of the session delivered.
 Excellent Very Good Good Average
- 2) Interaction With the student.
 Excellent Very Good Good Average
- 3) Whether workshop was useful to you.
 Excellent Very Good Good Average
- 4) Overall impression.
 Excellent Very Good Good Average
- 5) Any Suggestion

Best





Student Feedback Analysis

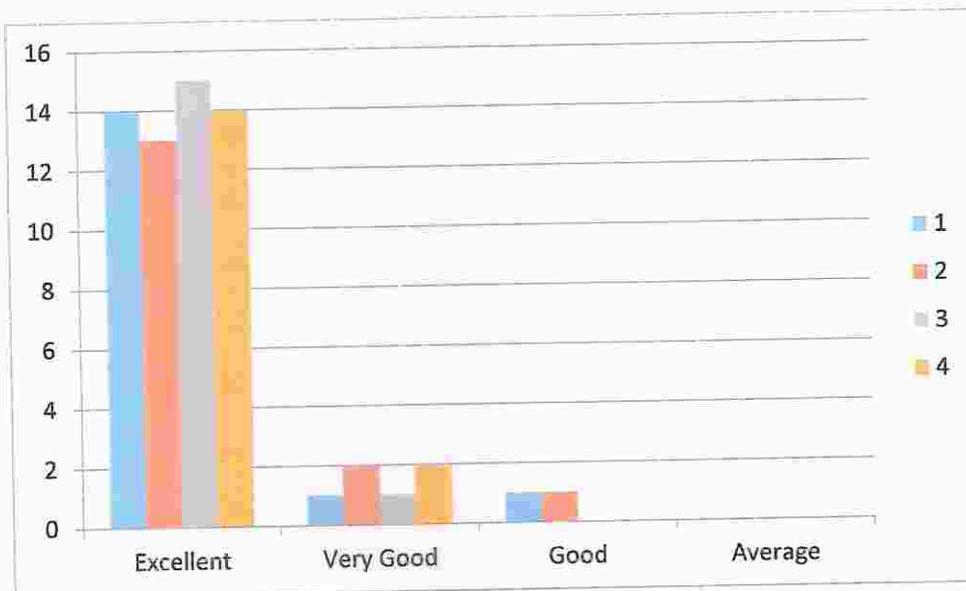
Total No. of Student Present: 11

No. of Student filled Feedback: 11

- 1) Understanding of the session delivered
- 2) Interaction with the student
- 3) Whether workshop was useful to you
- 4) Overall impression

	Excellent	Very Good	Good	Average
1	9	1	1	Nil
2	8	2	1	Nil
3	10	1	0	Nil
4	9	2	0	Nil

Student Feedback Analysis by Graphical Representation





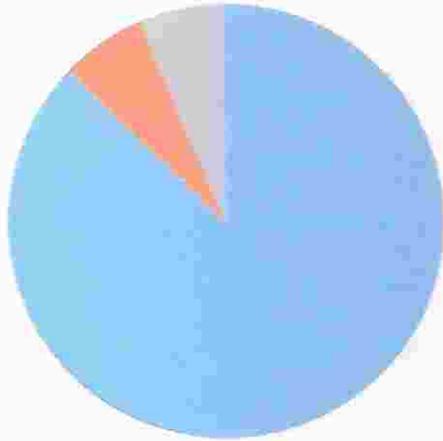
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1



- Excellent
- Very Good
- Good
- Average

Comments:

OK

Observation:

OK

Action Taken:

Nil


Course Co-ordinator




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Expert Feedback Form

Respected sir/madam, please give your valuable feedback

Name:- Mr.P.N.Mahalle

Organization:- SNKPU, Pune

Designation:- BOS Chairman Computer Engineering, HOD Computer Engg SKNCOE, Pune

Topic of Workshop:- Android App Development

Sr. No.	Description	Excellent	Very Good	Good	Adequate
1	Audio/video system arrangement	✓			
2	Cooperation from faculty/dept/institute		✓		
3	Content understanding level of students		✓		
4	Interaction of students			✓	
5	Level of questions asked by the students			✓	
6	Overall rating		✓		

Is there any additional feedback that you would like to offer?

Need improvement in communication skills among students.

Name and Sign of Authority

M.E. P.N. Mahalle.





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Ref: RGCOE/E&TC/2019-20/

Date : 20/02/2020

Letter of Thanks

To,

Mr.P.N.Mahalle

Dear Sir,

On behalf of Department of Computer Engineering, Rajiv Gandhi College of Engineering, Karjule Harya we would like to extend our heartiest thanks for accepting our invitation for workshop. Your workshop on 'Android App Development' will be helpful to our students.

Thank you for your motivation and benefitted valuable guidance. We are expecting similar kind of cooperation in future.

Sincerely,



V. Bhat
HOD

E&TC Engineering

HOD

E & TC Engineering Department
R.G.C.O.E., Karjule Harya



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Function Sample Photos-

Expert Person

Mr. P. N. Mahade
 BOS Chairman Computer Engineering,
 HOD Computer Engg SKJCOE, Pune

Prof. Bhauchoh E. Shinde
 Vice Principal,
 Rajiv Gandhi College of Engineering

Two Days Workshop on "Android App Development"

15th to 20th February 2020

Chief Patron :
Hon. Mrs. Miratal Aher
 President : Matoshri Shaikshnik Pratishthan, Ane

Patrons :
Hon. Shri. Dipakji. Mhas **Hon. Shri. Baburao Joshi**
 Chief Executive, MSP Ane Treasurer, MSP Ane

Hon. Shri. Ratan L. Aher **Dr. Parvati S. Talbar**
 Secretary, MSP Ane Principal, RGCOE

Workshop Convener :
Prof. Bhauchoh E. Shinde
 Vice-Principal, RGCOE

Co-ordinators :

Prof. Manoj J. Chavan HOD, Computer Engg.	Prof. Ganesh M. Kulkarni Head, E & TC Engg.
---	---

Organizing Committee :

Prof. Pravin D. Auri HOD, ECE	Prof. Ganesh B. Kapti Head, Mechanical Engg.
Prof. Sandeep R. Gadh Head, Mechanical Engg.	Prof. Prashant B. Gadgil Head, EEE Engg.
Prof. Rajendra P. Patil Dulam-Coordinator	Mr. Suresh S. Pawar Office Superintendent
Prof. Subhash P. Shinde	Prof. Eshwar S. Mankar
Prof. Sunil S. Gungul	Prof. Rajesh L. Rajani
Prof. Vijay S. Mhas	Prof. B. B. Karyekar
Prof. Vinayak H. Thakur	Prof. Tejas Pawar
Prof. Mahesh V. Sule	Prof. Anurag S. More
Prof. Prakash S. Shinde	

Registration Form

Name _____

Designation _____

Department _____

Organization/Company _____

Address _____

Mobile No _____

Email _____

Accommodation Required (Yes/No) _____

Mode of Payment _____

Amount _____

Bank _____

Date _____

Applicants Signature _____ Signature with Stamp
 HOD/Principal

Registration Fees

Student	Rs.500/-
Faculty / Research Scholar	Rs.750/-
Industry Person	Rs.1000/-

Account Details

Account Name : Rajiv Gandhi College of Engineering

A/c No : 32405452579

IFSC : SBIN0071100

Branch : Takali Dhokeshwar

Bank Name : State Bank of India

In case of online payment, the participant needs to send online payment receipt of payment with UTR / Reference Number on rgcoeevent1@gmail.com

Note

- No TA DA will be provided for attending the workshop
- Tea, Breakfast and Lunch are included in the registration fees
- Accommodation will be provided by paying extra charges
- Spot registration will accepted only if vacancies are available

Important Date

Last Date of registration is 14 February 2020

Contact for Registration

For any query regarding this workshop please feel free to contact:

Prof. Nandini Chaudhari +91 9379600007	Prof. Ganesh M. Kulkarni +91 7700102115
Prof. Sandeep R. Gadh +91 9762486114	Prof. Sunil S. Gungul +91 9865842106
Prof. Manoj J. Auri +91 9971710007	Prof. Subhash P. Shinde +91 9761672219

Email : rgcoeevent1@gmail.com





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About the Institute

Matoshri Shaikshanik Pratishthan, Ann was established in the year 2010 under the dynamic leadership of President Mrs. Miraaji Laxman Aher with an objective of providing quality education in rural area. Matoshri Shaikshanik Pratishthan offers education in Engineering, Pharmacy, Diploma, ITI and School Education from Kindergarten to Higher Secondary. Rajiv Gandhi College of Engineering (RGCOE) is approved by AICTE New Delhi, recognised by DTE Government of Maharashtra and affiliated to Savitribai Phule Pune University. Pune. RGCOE was established in the year 2012 with a vision to create Engineers having the skill and confidence to become the pioneers of tomorrow. The institute offers different undergraduate courses in Mechanical, Electrical, Computer and Electronics and Telecommunication Engineering. The institute is located in a wide spread beautiful campus and providing an ideal and healthy environment for learning and living. The campus is delightfully planned and splendidly landscaped with impressive building, lawns and playground. Presently institute is planning various technical and social activities with the aim of improving human life and growth of environment.



Location:

Institute is located on the Ahmednagar Kalyan Highway (NH 51) and is about 45 Km from Ahmednagar Railway Station. It is also well connected to Pune-Nasik Highway and distance from Alphata Bus stand to college is about 11km. It is centrally located from three Acharinayak Temples namely Vighneswarar Gaur (54.5 km), Mahaganapati Ranjanagaur (67km), Girijambay, Lohyadi (66.3km) and close to famous Shivneri Fort (65.1 km).

About the Workshop

Sponsored by



Savitribai Phule Pune University, Pune

Organized by



Rajiv Gandhi College of Engineering, Karjule Harya

Workshop on "Android Application Development" aims to impart technical and practical knowledge regarding app development in Android to students and future engineers. Android is a very popular and powerful OS created by Google® for use on mobile devices, such as smartphones and tablets. It supports large number of applications in smartphones. These applications are more comfortable and advanced for the users. The android is an open source operating system means that it's free and any one can use it. The android has got millions of apps available that can help you managing your life one or other way and it is available low cost in market at that reason android is very popular.

In this workshop students will get a chance to use their coding skills in Android Studio.

Expected Outcome and Benefits

- 1) Getting Practical knowledge for android app development.
- 2) Insights about Android development Technology.
- 3) Create impressive apps for business.
- 4) Create user interface for Android app.
- 5) Build application using Android platform.

Eligibility for Workshop

All the UG Graduates and Post Graduate Students and Faculties of all branches of Engineering and Industry Professionals are eligible for this workshop.



Matoshri Shaikshanik Pratishthan's
RAJIV GANDHI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi, DTE Mumbai & Affiliated to Savitribai Phule Pune University (MSBTE)

"Android App Development"

15th to 20th February 2020



Sponsored by Savitribai Phule Pune University, Pune

Organized by
Rajiv Gandhi College of Engineering

Rajiv Gandhi College of Engineering

Karjule Harya, Tal - Parner, Dist - Ahmednagar - 414304
Website: <http://www.rgcoe.org>, Email: rajivgandhi.iet@gmail.com

Mob. No. +91 8975578687





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CERTIFICATE

This is to certify that Datatonde Hanuman Pandurang
of RGCOE, Karjule Harya has
participated in **Savitribai Phule Pune University, Pune** sponsored workshop on "Android
App Development" at **Rajiv Gandhi College of Engineering, Karjule Harya, Tal. Parner,
Dist. Ahmednagar** during **15th & 16th February 2020.**

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CERTIFICATE

This is to certify that Mane Poja Jaywant of RCCOE, Karjule Harya has

participated in Savitribai Phule Pune University, Pune sponsored workshop on "Android App Development" at Rajiv Gandhi College of Engineering, Karjule Harya, Tal. Parner, Dist. Ahmednagar during 15th & 16th February 2020.

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CERTIFICATE

This is to certify that Nipanikot Ramkeshna Ariltau has
of RCCOE, Kojide Hadya.
participated in Savitribai Phule Pune University, Pune sponsored workshop on "Android
App Development" at Rajiv Gandhi College of Engineering, Karjule Harya, Tal. Parner,
Dist. Ahmednagar during 15th & 16th February 2020.

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A/p - Karjule Harya, Tal. Parner, Dist. Ahmednagar, Pin-414304.
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CERTIFICATE

This is to certify that Kahane Kaustabh Vilhas has
of Rgcoe, Kokate Harya
participated in Savitribai Phule Pune University, Pune sponsored workshop on "Android
App Development" at Rajiv Gandhi College of Engineering, Karjule Harya, Tal. Parner,
Dist. Ahmednagar during 15th & 16th February 2020.

[Signature]
CO-ORDINATOR

[Signature]
CONVENER

[Signature]
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Visit us at : www.rgcoe.org email : rajivgandhi.iot@gmail.com

CERTIFICATE

This is to certify that singh Vait Tejpatap has
of RGCoe, Karjule Harya

participated in Savitribai Phule Pune University, Pune sponsored workshop on "Android
App Development" at Rajiv Gandhi College of Engineering, Karjule Harya, Tal. Parner,
Dist. Ahmednagar during 15th & 16th February 2020.

[Signature]
CO-ORDINATOR

[Signature]
CONVENER

[Signature]
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Attendance of Students

Class: SE, TE, BE

Workshop Topic: Android App Development

Sr. No.	Name of Student	Day1	Day2	Day3	Day4	Day5	Day6
1	BHUJADE PRASHANT PUNDALIK	Prashant	Prashant	Prashant	Prashant	Prashant	Prashant
2	GAGARE NIKHIL KAILAS	Nikhil	Nikhil	Nikhil	Nikhil	Nikhil	Nikhil
3	HANGARGE SHIVLILA SADANAND	Shivlila	Shivlila	Shivlila	Shivlila	Shivlila	Shivlila
4	INDRE RAVINDRA NAGORAO	Indre	Indre	Indre	Indre	Indre	Indre
5	SINGH UDIT TEJPRATAP						
6	BOLBHAT ASHVINI DILIP	B	B	B	B	B	B
7	KAHANE KAUSTUBH ULLHAS	Khas	Khas	Khas	Khas	Khas	Khas
8	NIPANIKAR RAMKRUSHNA ANILRAO	Rip	Rip	Rip	Rip	Rip	Rip
9	MANE POOJA JAYWANT						
10	DAHATONDE HANUMANT PANDURANG	Hanumant	Hanumant	Hanumant	Hanumant	Hanumant	Hanumant
11	NEHE SHITAL TUKARAM	Shital	Shital	Shital	Shital	Shital	Shital
12	SHETE PRAVIN NARAYAN	Pravin	Pravin	Pravin	Pravin	Pravin	Pravin
13	THUBE ARATI RAMDAS	Arati	Arati	Arati	Arati	Arati	Arati





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Date: 06/03/2019

Department of E&TC Engineering

Activity Report

Title	"Network Security and Cryptography"
Duration	30 hours
Name of Speaker	Dr. A.J.Patil
Designation	Professor
Objectives	To provide students with a comprehensive understanding of network security principles and cryptographic techniques. The course aims to equip students with the knowledge and skills necessary to design, implement, and manage secure network systems, thereby preparing them for careers in cybersecurity and telecommunications.
Beneficiary	Students of electronics and telecommunication engineering, specifically those interested in pursuing careers in cybersecurity, network engineering, or related fields.
Number of Participants	08
Course Outcomes	<ol style="list-style-type: none">1. Understand the fundamentals of network security, including threats, vulnerabilities, and countermeasures.2. Gain knowledge of various cryptographic algorithms, protocols, and techniques used to secure data transmission and communication.3. Develop skills in implementing encryption and decryption mechanisms for securing network communications.4. Learn best practices for network security policy development, implementation, and management.5. Acquire hands-on experience with security tools and technologies used in real-world network security environments.6. Enhance critical thinking and problem-solving abilities in analyzing and addressing security challenges in networked systems.7. Demonstrate proficiency in designing and evaluating secure network architectures.8. Prepare for industry-standard certifications in network security and cryptography, such as CISSP, CEH, or CompTIA Security



V. Patil

HOD
E & TC Engineering Department
R.G.C.O.E., Karjule Harya



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Ref: RGCOE/E&TC/20218-19/

Date: 25/02/2019

Invitation Letter

To

Dr. A.J.Patil

Gulabrao Devkar college of Engineering, Jalgaon.

425001

Subject: "Network Security and Cryptography"

Respected mam,

On behalf of the Electronics and Telecommunication Department at Rajiv Gandhi collage of Engineering, I am writing to extend our heartfelt invitation for you to serve as a guest speaker for our course on Network Security and Cryptography.

Event Details:

- Title: Guest Lecture on Network Security and Cryptography
- Speaker: Dr. A.J.Patil
- Duration: 1 march 2018 to 5 march 2018

Thanking You.

With Regards,

HOD

E&TC Department

HOD

E & TC Engineering Department
R.G.C.O.E., Karjule Harya





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Ref: RGCOE/E&TC/2018-19/

Date: 25/02/2018

Department of E&TC Engineering

Notice

All year E&TC Engineering Students are hereby informed that the workshop is organized on 'Network Security and Cryptography' having an expert Dr. A.J.Patil from Gulabrao Devkar college of Engineering, Jalgaon will be conducted 1 march 2018 to 5 march 2018 by our college. The session shall be conducted in Digital class room hence all year students are informed to attend the same.



Rajiv Patil
HOD

E&TC Engineering

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E & TC Engineering Department
R.G.C.O.E., Karjule Harya



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Department of E&TC Engineering

"Network Security and Cryptography"

Syllabus

The following points were discussed during the Value-Added Courses

- ❖ Introduction to Network Security
- ❖ Cryptographic Algorithms and Techniques
- ❖ Network Security Protocols
- ❖ Network Defense Mechanisms
- ❖ Practical Applications and Case Studies


Course Co-Ordinator





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Department of E&TC Engineering

"Network Security and Cryptography"

DAY	Date	Topic Covered	Topic Duration
1	01/03/2019	1. Overview of Network Security Concepts 2. Identification of Threats and Vulnerabilities in Networked Systems 3. Principles of Secure Communication 4. Introduction to Cryptography Basics	6hr
2	02/03/2019	1. Explanation of Symmetric Encryption Algorithms: DES, AES 2. Understanding Asymmetric Encryption Algorithms: RSA, Diffie-Hellman 3. Overview of Hash Functions and Digital Signatures 4. Techniques for Key Management and Distribution	6hr
3	03/03/2019	1. Explanation of Secure Socket Layer (SSL) and Transport Layer Security (TLS) 2. Introduction to IPsec (Internet Protocol Security) 3. Overview of VPN (Virtual Private Network) Technologies 4. Explanation of Wireless Security Protocols: WEP, WPA, WPA2, WPA3	6hr
4	04/03/2019	1. Understanding Intrusion Detection Systems (IDS) and Intrusion Prevention Systems (IPS) 2. Overview of Firewalls and Proxy Servers 3. Explanation of Access Control Mechanisms: Role-Based Access Control (RBAC), Access Control Lists (ACL) 4. Discussion of Security Best Practices for Network Configuration	6hr
5	05/03/2019	1. Application of Secure Network Design Principles 2. Hands-on Exercises on Cryptographic Implementations 3. Analysis of Case Studies of Real-World Network Security Incidents 4. Discussion of Ethical and Legal Considerations in Network Security	6hr


Course Co-Ordinator




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Expert Session Feedback

Class: SE, TE, BE

Name of Speaker: Dr. A.J. Patil

Topic: "Network security & cryptography"

1) Understanding of the session delivered.

Excellent Very Good Good Average

2) Interaction With the student.

Excellent Very Good Good Average

3) Whether workshop was useful to you.

Excellent Very Good Good Average

4) Overall impression.

Excellent Very Good Good Average

5) Any Suggestion

Best





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Expert Session Feedback

Class: SE, TE, BE

Name of Speaker: DR. A.J. Patil

Topic: "Network security & cryptography."

1) Understanding of the session delivered.

Excellent Very Good Good Average

2) Interaction With the student.

Excellent Very Good Good Average

3) Whether workshop was useful to you.

Excellent Very Good Good Average

4) Overall impression.

Excellent Very Good Good Average

5) Any Suggestion

OK





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Expert Session Feedback

Class: SEITE, BE

Name of Speaker: Dr. A.J. Patil

Topic: "Network Security & Cryptography"

- 1) Understanding of the session delivered.
 Excellent Very Good Good Average
- 2) Interaction With the student.
 Excellent Very Good Good Average
- 3) Whether workshop was useful to you.
 Excellent Very Good Good Average
- 4) Overall impression.
 Excellent Very Good Good Average
- 5) Any Suggestion

Overall OK





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Expert Session Feedback

Class: SE, TE, BE

Name of Speaker: Dr. A.J. Patil

Topic: "Network security & cryptography."

- 1) Understanding of the session delivered.
 Excellent Very Good Good Average
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- 3) Whether workshop was useful to you.
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- 4) Overall impression.
 Excellent Very Good Good Average
- 5) Any Suggestion

OK





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Expert Session Feedback

Class: SE, TE, BE

Name of Speaker: Dr. A. J. Patil

Topic: "Network Security & Cryptography."

1) Understanding of the session delivered.

Excellent

Very Good

Good

Average

2) Interaction With the student.

Excellent

Very Good

Good

Average

3) Whether workshop was useful to you.

Excellent

Very Good

Good

Average

4) Overall impression.

Excellent

Very Good

Good

Average

5) Any Suggestion

ok





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Expert Session Feedback

Class: SE, TE, BE

Name of Speaker: Dr. A.J. Patil

Topic: "Network security & cryptography."

1) Understanding of the session delivered.

Excellent Very Good Good Average

2) Interaction With the student.

Excellent Very Good Good Average

3) Whether workshop was useful to you.

Excellent Very Good Good Average

4) Overall impression.

Excellent Very Good Good Average

5) Any Suggestion

overall ok





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Expert Session Feedback

Class: SE, TE, BE

Name of Speaker: DR. A. J. Patil

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- 3) Whether workshop was useful to you.
 Excellent Very Good Good Average
- 4) Overall impression.
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5) Any Suggestion

Best





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Class: SE, TE, BE

Name of Speaker: DR. A. J. Patil

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 Excellent Very Good Good Average
- 2) Interaction With the student.
 Excellent Very Good Good Average
- 3) Whether workshop was useful to you.
 Excellent Very Good Good Average
- 4) Overall impression.
 Excellent Very Good Good Average

5) Any Suggestion

No Suggestion





Student Feedback Analysis

Total No. of Student Present: 08

No. of Student filled Feedback: 08

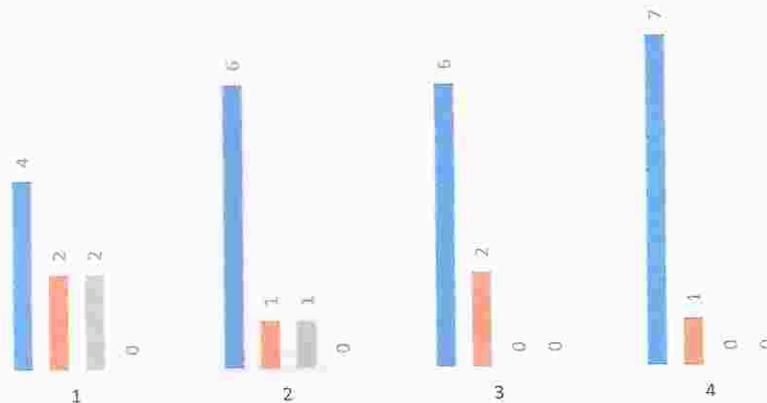
- 1) Understanding of the session delivered
- 2) Interaction with the student
- 3) Whether workshop was useful to you
- 4) Overall impression

Sr.no	Excellent	Very Good	Good	Average
Understanding of the session delivered	4	2	2	Nil
Interaction with the student	6	1	1	Nil
Whether workshop was useful to you	6	2	0	Nil
Overall impression	7	1	0	Nil

Student Feedback Analysis by Graphical Representation

STUDENT FEEDBACK ANALYSIS

■ Excellent ■ Very Good ■ Good ■ Average





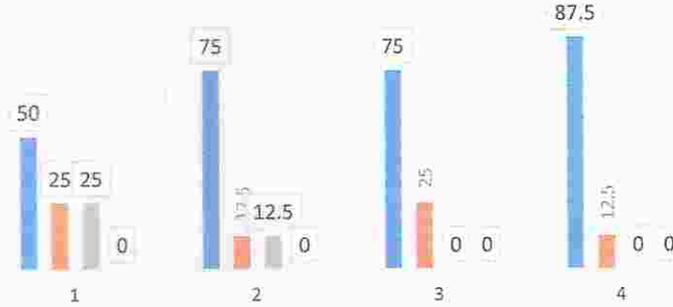
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PERCENTAGE

■ Excellent% ■ Very Good % ■ Good % ■ Average %



Comments:

OK.

Observation:

Nil

Action Taken:


Course Co-Ordinator



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Expert Feedback Form

Respected sir/madam, please give your valuable feedback

Email:- *anilj48@gmail.com*

Name:- *Dr. A.J. Patil*

Organization:- *G. D. C. O. E, Jalgaon*

Designation:- *Professor*

Contact No.:- *9422780452*

Topic of:- "Network Security and Cryptography"

Sr. No.	Description	Excellent	Very Good	Good	Adequate
1	Audio/video system arrangement	✓			
2	Cooperation from faculty/dept/institute	✓		✓	
3	Content understanding level of students	✓			
4	Interaction of students		✓		
5	Level of questions asked by the students		✓		
6	Overall rating	✓			

Is there any additional feedback that you would like to offer?

Overall OK.



A.J. Patil
Dr. A.J. Patil
Name and Sign of Authority



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Ref: RGC OE/E&TC/2018-19/

Date: 05/03/2019

Letter of Thanks

To,

Dr. A.J. Patil

Dear Sir,

On behalf of Department of E&TC Engineering, Rajiv Gandhi College of Engineering, Karjule Harya we would like to extend our heartiest thanks for accepting our invitation for speech. Your Topic on "Network Security and Cryptography" will be helpful to our students.

Thank you for your motivation and benefitted valuable guidance. We are expecting similar kind of cooperation in future.



A. J. Patil
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students' certificates –



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Email id: rajivgandhi.iot@gmail.com
www.rgcoe.org



Certificate

This is to certify that Mr. / Ms. **RAJAN RAKESH SHERICHAND** has participated in **Network Security and Cryptography** which is organized by Department of **E&TC Engineering** Dated **01 Mar. 2018 To 05 Mar.2018**.



IQAC In-charge
Dept. of E&TC Engineering
Ahmednagar Tal. Parner
Dist. Ahmednagar 414304



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Dist. Ahmednagar
Karjule Harya



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Karjule Harya, Tal. Parner, Dist. Ahmednagar





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Email id: rajivgandhi.iot@gmail.com

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Certificate

This is to certify that Mr. / Ms. NIPANIKAR RAMKRUSHNA ANILRAO has participated in **Network Security and Cryptography** which is organized by Department of **E&TC Engineering** Dated **01 Mar. 2018 To 05 Mar.2018**.


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Email id: rajivgandhi.iot@gmail.com

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Certificate

This is to certify that Mr. / Ms. **KAHANE KAUSTUBH ULLHAS** has participated in **Network Security and Cryptography** which is organized by Department of **E&TC Engineering** Dated **01 Mar. 2018 To 05 Mar.2018**.


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Dist. Ahmednagar-414304




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Karjule Harya, Tal. Parner Dist. Ahmednagar





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Tal.-Parner, Dist.-Ahmednagar, Pin:414304

Email id: rajivgandhi.iot@gmail.com

www.rgcoe.org

Certificate

This is to certify that Mr. / Ms. **BOLBHAT ASHVINI DILIP** has participated in **Network Security and Cryptography** which is organized by Department of **E&TC Engineering** Dated **01 Mar. 2018 To 05 Mar.2018.**


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Department of Engineering
Ahmednagar, Tal. Parner
Dist. Ahmednagar-414304




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Karjule Harya, Tal. Parner, Dist. Ahmednagar





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Certificate

This is to certify that Mr. / Ms. **DESHMUKH PRATIK GANESH** has participated in
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Function Sample Photos-





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Attendance of Students

Class: SE, TE & BE

Workshop Topic: "Network Security and Cryptography"

Sr.No.	Name of Student	Day1	Day2	Day3	Day4	Day5
1	JADHAV VINAYAK SAHEBRAO	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
2	BOLBHAT ASHVINI DILIP	Ashvini	Ashvini	Ashvini	Ashvini	Ashvini
3	KAHANE KAUSTUBH ULLHAS	Kahane	Kahane	Kahane	Kahane	Kahane
4	NIPANIKAR RAMKRUSHNA ANILRAO	NIPANIKAR	NIPANIKAR	NIPANIKAR	NIPANIKAR	NIPANIKAR
5	ROKADE SHEELA VIKAS	Rokade	Rokade	Rokade	Rokade	Rokade
6	THUBE ARATI RAMDAS	Arati	Arati	Arati	Arati	Arati
7	DESHMUKH PRATIK GANESH	Pratik	Pratik	Pratik	Pratik	Pratik
8	RAJAN RAKESH SHERICHAND	Rajan	Rajan	Rajan	Rajan	Rajan

