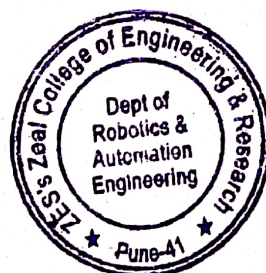


### 5.1.3 Index



5.1.3 Capacity building and skills enhancement initiatives taken by the institution include the following  
 1. Soft skills, 2. Language and communication skills, 3. Life skills (Yoga, physical fitness, health and hygiene), 4. ICT/computing skills

Sr. No.	Name of the capability enhancement program	Date of implementation (DD-MM-YYYY)	Number of students enrolled	Name of the agencies/consultants involved with contact details
1	Interfacing of MATLAB with ROS for Robotics System Development	14.07.2023	TE-17, BE-12	Dr. Pranav Lad, Mathwork, Pune
2	Machine Vision System	20.07.2023	BE-45	Mrs. Pooja Prachand, Alpha Techsys Automation, Pune
3	Microsoft Excel Tools	03.08.2023	TE-39, BE-49	Mr., Anup Pradhan, T & P Dept., ZCOER, Pune
4	Human Rights	19.08.2023	SE-50	Mr. Anil Kate, Lakshya Academy, Pune
5	C-Programming Language	31.08.2023	SE-37	Mrs. Jagruti Vaidya, Freelancer Trainer, Pune
6	Career Opportunities & Importance of CAD & CAE Techniques for Budding Engineers	09.09.2023	SE-25	DR. H G Phakatkar, Engineering Academy, Pune
7	C-Programming Languages	12.09.2023 to 14.09.2023	SE-51	Mr. Ajinkya Gaikwad, CADD Center, Pune
8	MATLAB & Simulink Onramp Certification Training & Hardware Interfacing	29.09.2023	SE-28	Mr. Ankit Kumar, Design TechSys Pvt. Ltd., Pune
9	Industrial Internet of Things	21.10.2023	SE-18, TE-08, BE-16	Mr. S. R. Badiger, TSSMs BSCOER, Pune
10	Artificial intelligence & Its Application using MATLAB	29.12.2023	BE-33	Mr. Ankit Kumar, MATHWORK, Design Tech System Pvt. Ltd., Pune.
11	Design Tool Solid Works	12.01.2024	TE-39	Mr. Prem Naik, Infinite Graphix Technologies pvt ltd, Pune
12	Generative AI	13.01.2024	TE-41 BE-20	Dr. Subhash Tatale, Infosys Ltd.
13	Start-up Challenges	16.01.2024	SE-16 TE-23 BE-16	Mr. Aniruddha Gunjal, Genesys Electric Mobility, Pune
14	Introduction to mobile Robot-Navigation and Path planning using MATLAB	19.01.2024	TE & BE-35	Dr. Pranav Lad, MathWorks, Pune
15	Entrepreneurship Development	01.02.2024	TE & BE-51	Mrs. Bhagyashri Vathare, NITI Aayog, Government Training Center, Pune
16	Resume Building and Soft Skill Development for Interview Preparation	06.02.2024	SE & TE - 54	Mrs. Ankita Dudhani, Freelancer, Trainer and Consultant, Pune.
17	Entrepreneurship Development	26.02.24	SE & BE - 40	Mr. Nilesh Sabe, SwiftNlift Pvt. Ltd., Pune.
18	Image Processing & Signal Processing with MATLAB	27.02.24	TE & BE - 41	Mr. Ankit Kumar, MATHWORK Design Tech System Pvt. Ltd., Pune.
19	Unlocking Career Potentials in Robotics with Artificial Intelligence & Machine Learning	29.02.24	SE, TE & BE - 85	Mr. Avinash Chauhan, Two Dimensions, Pune.
20	Getting Started with LaTeX: A Beginner's Guide	09.03.24	BE - 12	Mr. Gaurav Kumar, ZCOER, Pune.
21	Automation in Industry using PLC & SCADA	18.03.24	SE, TE & BE - 37	Mr. Ganesh K Wanve, Pioneer Automation Services, Pune.



Head of the Department  
**Head of Department**  
 Dept. of Robotics & Automation Engg  
**ZES's Zeal College of**  
**Engineering & Research**  
**Narhe, Pune-411041**



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Record No.: ZCOER-ACAD/R/21	Revision: 00	Date: 01/04/2021

**Permission for Expert Session**

Department: Robotics & Automation    Semester: I    Academic Year: 2023-2024  
 Class: TE & BE    Div: A    Date: 10/07/2023

To,  
The Principal  
ZCOER, Pune

Subject: Permission for scheduling an Industry Expert Session

Respected Sir,


For enhancing the understanding of students about “**Interfacing of MATLAB with ROS for Robotics System Development**”, it planned to schedule an Hands-on Session for the Robotics & Automation Engineering students. The best suitable expert is identified for this session and the details are as given below.


<b>Name of Expert:</b>	<b>Dr. Pranav Lad</b>
<b>Designation:</b>	<b>Senior Customer Success Engineer</b>
<b>Organization:</b>	<b>MathWorks, Pune</b>
<b>Experience:</b>	<b>08 Yrs</b>
<b>Date:</b>	<b>14/07/2023</b>
<b>Time and Duration:</b>	<b>10: 00 am to 01:00 pm</b>

**Remuneration Details:**

Number of Hrs. of session	Remuneration/ Hr.	Total
4 Hrs	Nil	Nil
(In Words: Nil)		

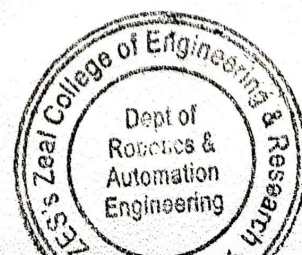
You are hereby requested to kindly permit the conduction of the above said session and sanction the remuneration of Nil/-

  
 Prof. S. S. Dhumal  
 Course Faculty

  
 Prof. Y. R. Ingole  
 Head of Department

Remark by Principal:

*Allowed & approved*  
*Atk*  
*14/07/2023*







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# ZEAL COLLEGE OF ENGINEERING & RESEARCH, PUNE

Department of  
Robotics & Automation Engineering  
(R & A)

Friday, 14/07/2023 ⌚ 10.00 am Onwards



In Association with



**MathWorks®**

## MATLAB STUDENT CHAPTER

Organizes



**Dr. Pranav Lad**  
Senior Customer Success Engineer  
MathWorks, Pune

# One Day Hands-on Session on “Interfacing of MATLAB with ROS for Robotics System Development”

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Record No.: ZCOER-ACAD/R/39

Revision: 00

Date: 01/04/2021

**Notice**

**Department: Robotics & Automation**

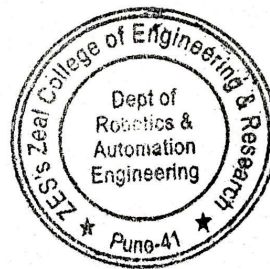
**Sem: I**

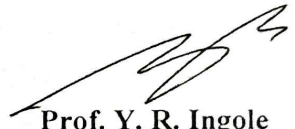
**Academic Year: 2023-2024**

**Date: 10.07.2023**

This is to inform that an Expert talk by **Dr. Pranav Lad**, Senior Customer Success Engineer, MathWorks, Pune is scheduled on Topic "Interfacing of MATLAB with ROS for Robotics System Development" on Friday 14<sup>th</sup> July, 2023 from 10:00 am to 01:00 pm.

Attendance is compulsory to all.



  
**Prof. Y. R. Ingole**  
**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041



## Robotic Systems Development Using ROS with MATLAB

Date: 14<sup>th</sup> July 2023

### Agenda

10:00 AM – 11:30 AM	<ul style="list-style-type: none"> <li>• Introduction and Overview of ROS               <ul style="list-style-type: none"> <li>◦ What, Why, and How ROS?</li> <li>◦ Explore ROS Networks</li> <li>◦ Messages and Topics</li> <li>◦ Terminologies – ROS Nodes, Subscribers, Publishers</li> </ul> </li> <li>• ROS and ROS2 connectivity with MATLAB</li> <li>• Hands-on Tutorial               <ul style="list-style-type: none"> <li>◦ ROS Control Project: Navigate through a Maze</li> </ul> </li> </ul>
11:30 AM – 1:00 PM	<ul style="list-style-type: none"> <li>• Introduction to VMware</li> <li>• Co-simulation with Gazebo</li> <li>• Deploying ROS nodes</li> <li>• Overview of Low-cost Hardware Connectivity</li> <li>• Using ROS on Raspberry pi using MATLAB and Simulink</li> <li>• Resources</li> <li>• Discussion and Q&amp;A</li> </ul>

### Prerequisites:

- Participants are requested to install MATLAB (including all toolboxes) on laptop. You can download the software from the following web portal using your institute email id: [Zeal College of Engineering & Research - MATLAB Access for Everyone](#)
- Follow the instructions on [ROS 2 Dashing and Gazebo - MATLAB & Simulink](#) and install VMware on laptop.
- Participants are requested to complete the following:
  - [MATLAB Onramp](#)
  - [Simulink Onramp](#)

These courses are freely available at: [MATLAB and Simulink Training \(mathworks.com\)](#).



## Robotic Systems Development Using ROS with MATLAB

Date: 14<sup>th</sup> July 2023

### Speaker's Bio:



Dr. Pranav Lad  
[plad@mathworks.com](mailto:plad@mathworks.com)

Dr. Pranav Lad is a Senior Customer Success Engineer at MathWorks, based out of Pune. He works closely with academic institutions in order to help accelerate the pace of research and to improve learning outcomes. His technical expertise lies in the field of robotics, vibrations, nonlinear dynamics, controls, and artificial intelligence. He completed his masters and doctorate in Mechanical Engineering from IIT Bombay. He has authored various research papers in international journals and conference proceedings. While working as a research assistant at IIT Bombay, he interacted with various industries for consultation. Prior to that, he received his Bachelor's from the University of Pune.



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Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session One Page Report**

Date: 15.07.2023

To,  
The H.O.D.  
Robotics & Automation Engineering Department,  
ZCOER, Narhe.

**Subject:** Report of Expert session conducted by Expert on topic “**Interfacing of MATLAB with ROS for Robotics System Development**”, at ZCOER, Narhe.

Respected Sir,

With reference to above mentioned subject, I would like to inform you that **Dr. Pranav Lad, Senior Customer Success Engineer**, MathWorks, Pune has successfully conducted an session for the Third & Fourth Year student on the topic “**Interfacing of MATLAB with ROS for Robotics System Development**”. Students of T.E & B.E. were present for this session and the session was very interesting and interactive, Dr. Pranav Lad has given insight about use of ROS tools in MATLAB.

**Topics discussed during lecture:**

Sr. No	Contents Covered	POs Mapping to the Contents
1	The Session was planned to keep in view of research in the field MATLAB GUI interfacing with ROS. Dr. Pranav Lad shared valuable information about MATLAB & SIMULINK Onramp and interfaced MATLAB GUI with ROS and demonstrated the same with one application.	PO1, PO2, PO4, PO5, PO8, PO9, PO10, PO12, PSO1, PSO2

Thanking You,

Yours Sincerely

Prof. Kotkar A. S.





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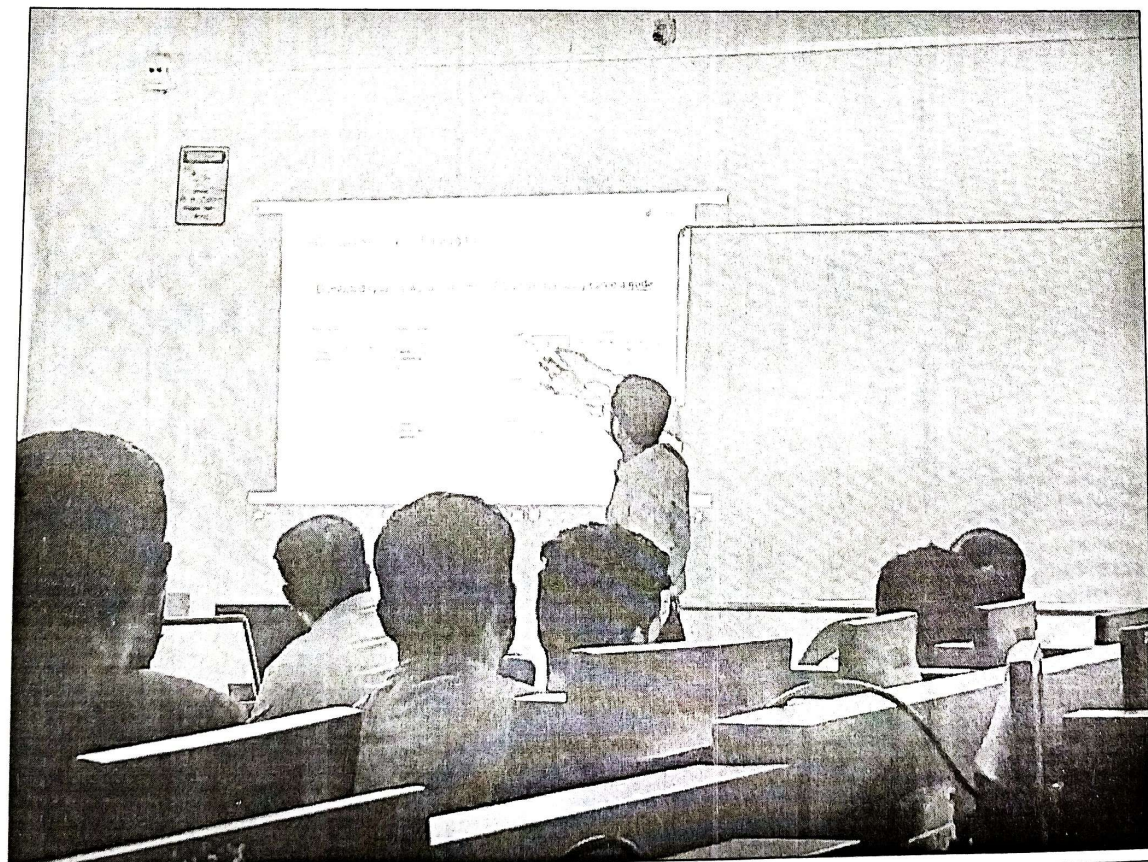


Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Photographs/Screen shots:







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Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021



Expert speaker Dr. Pranav Lad, delivering Session on ROS tools used in MATLAB for TE & BE students dated 14.07.2023.





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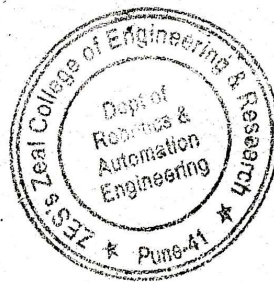


EXPERT LECTURE CONDUCTION CERTIFICATE

Date: 14/07/2023

To whom it may concern

Dr. Pranav Lad, Senior Customer Success Engineer, Mechanical Engineering, Math Works, Pune has conducted expert lecture for Third & Fourth Year Robotics & Automation Engineering students on the topic "Interfacing of MATLAB with ROS for Robotics System Development", organized by Department of Robotics & Automation Engineering dated 14<sup>th</sup> July 2023 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe, Pune -41, India.



Prof. Y. R. Ingole  
Head of Department

Head of Department  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041

Received  
P. Lad



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**Letter of Thanks**

Date: 14/07/2023

To,

Dr. Pranav Lad  
Mechanical Engineer,  
Senior Customer Success Engineer,  
Math Works, Pune

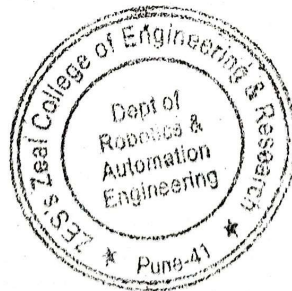
Subject: Letter of Thanks.

The Zeal Education Society's ZCOER would like to thank you for enlighten us on one of the emerging topic. Your talk on about about "Interfacing of MATLAB with ROS for Robotics System Development", was one of the new technologies studied by our students. It was an honor for Zeal College of Engineering and Research to have you as our resourceful eminent speaker.

We believe that the knowledge you have shared will help immensely in the development of the students and eventually translate into better future for them.

We know that your time is precious, and we are grateful you shared some of it with us. We look forward to getting more time from your side to arrange such seminars in future.

Again, thank you so much. We hope to see you soon again.



**Prof. Y. R. Ingole**  
Head of Department  
Head of Department  
Dept. of Robotics & Automation Engg..  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041

Received  
P. R. Lad





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Record No.: ACAD/R/21B

Revision: 00

Date: 01/04/2021

**Industry Expert/ Guest Faculty Session Feedback Analysis**

Department: Robotics & Automation

Academic Year: 2023-2024

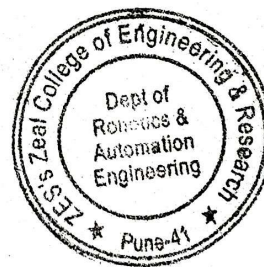
Semester: I


Date: 14.07.2023

Name of Expert/ Guest: Dr. Pranav Lad, senior customer success engineer, MathWorks, Pune

Sr. No.	Attribute	No. of responses	Marks	
			Obtained	%
1	How would you rate the content of the session?	20	94	94
2	How would you rate the knowledge of the guest for the session?		93	93
3	How would you rate the content delivery method of the guest for the session?		95	95
4	How would you rate the management of the session?		84	84
5	Do you think the content of the session added to your knowledge?		100	100

  
Feedback Coordinator



  
H.O.D.  
**Head of Department**  
Dept. of Robotics & Automation En  
ZES's Zeal College of  
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Record No.: ZCOER-ACAD/R

Revision: 00

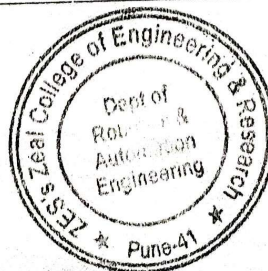
Date: 01/04/2021

**Hands-on/Expert Session Attendance Sheet**

Department: Robotics & Automation Engineering      SEM: I      Academic Year: 2023-2024  
Class: BE A      Date: 14.07.2023  
Subject: Robot operating System      Time: 10:30 to 01:00 pm  
Topic: Interfacing of MATLAB with ROS for Robotics System Development

Sr. No	Class	Roll No	Name of Students	Sign
01	B.E.	B1511034	Aditi Pandurang Mate	<i>Aditi</i>
02	B.E.	T1511002	Sakshi Laaman Bagade	<i>Sakshi</i>
03	B.E.	T1511033	Abhishek Yashwant Mahadkar	<i>Abhi</i>
04	B.E.	T1511069	Yash Shankar Waman	<i>Yash</i>
05	BE.	B1511050	Rasal Vaibhav sanjay	<i>Rasal</i>
06	BE	B1511066	SRUSHTI SADANAND THORAT	<i>SRUSHTI</i>
07	BE	B1511030	Kwetchaitanya vitthal	<i>Kwetchaitanya</i>
08	BE	B1511069	Mohammed Zein shaikh	<i>M. Zein</i>
09	BE	B1511057	Nikunj - C. Shah	<i>Nikunj</i>
10	BE	B1511068	Hagbharre Lambodar Vijay	<i>Hagbharre</i>
11	BE	B1511054	Salunkhe Nikee Ashok	<i>Salunkhe</i>
12	BE	B1511042	Patil Yash Prabhakar	<i>Patil</i>
13	BE	T1511057		
14				
15				
16				
17				
18				
19				
20				
21				
22				

*[Signature]*  
Expert Session Coordinator



*[Signature]*  
Head of Department  
Dept. of Robotics & Automation Engg.  
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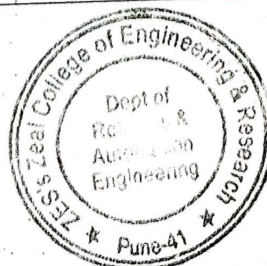
Record No.: ZCOER-ACAD/R      Revision: 00      Date: 01/04/2021

**Hands-on/Expert Session Attendance Sheet**

Department: Robotics & Automation Engineering      SEM: I      Academic Year: 2023-2024  
Class: TE A      Date: 14.07.2023  
Subject: Robot operating System      Time: 10:30 to 01:00 pm  
Topic: Interfacing of MATLAB with ROS for Robotics System Development

Sr. No	Class	Roll No	Name of Students	Sign
01	T.E.	T1511011	Levin Vincent	<i>Levin</i>
02	TE	T1511038	Yash Mahamuni	<i>Yash</i>
03	TE	T1511003	Ujjwal Bhagat	<i>Ujjwal</i>
04	TE	T1511049	OMKAR PARAB	<i>Omkar</i>
05	TE	T1511074	Wange vaishnavi	<i>Wange</i>
06	TE	T1511024	Ghodap Tejas B.	<i>Ghodap</i>
07	TE	T1511061	Vaibhavi Somnath Shelke	<i>Vaibhavi</i>
08	TE	T1511034	Avantika Koli	<i>Avantika</i>
09	TE	T1511013	Pavan chebale	<i>Pavan</i>
10	T.E.	T1511047	Omkar Palange	<i>Omkar</i>
11	T.E.	T1511043	Rahul more	<i>Rahul</i>
12	T.E.	T1511010	Chinmay Rajesh Chakral	<i>Chinmay</i>
13	T.E.	T1511045	NIKAM ANIKET SANTOSH	<i>Aniket</i>
14	TE	T1511040	Adityakant R. Mehta	<i>Aditya</i>
15	TE	T1511004	Pranali Sukhdev Bhanbheme	<i>Pranali SB</i>
16	T.E.	T1511023	Harshal B. Jadhav	<i>Jadhav HB</i>
17	T.E.	T1511028	Manav A. Jori	<i>Manav</i>
18				
19				
20				
21				
22				

*f. Chavre*  
Expert Session Coordinator



*[Signature]*  
Head of Department  
Head of Department  
Dept. of Robotics & Automation Engg.  
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Record No.: ZCOER-ACAD/R/21

Revision: 00

Date: 01/04/2021

**Permission for Expert Session**

Department: Robotics & Automation  
Class: BE

Semester: I  
Div: A

Academic Year: 2023-2024  
Date: 17/07/2023

To,  
The Principal  
ZCOER, Pune

Subject: Permission for scheduling an Industry Expert Session

Respected Sir,


For enhancing the understanding of students about **"Machine Vision System"**, it planned to schedule an Industry Expert Session Program for the B.E. Robotics & Automation Engineering. The best suitable expert is identified for this session and the details are as given below.

Name of Expert:	Mrs. Pooja Prachand
Designation:	Business Head
Organization:	Alpha Techsys Automation, Pune.
Experience:	8 Yrs
Date:	20/07/2023
Time and Duration:	10: 00 am to 12:00 pm

**Remuneration Details:**

Number of Hrs. of session	Remuneration/ Hr.	Total
2 Hrs	1000/- per hour	2000/-
(In Words: Two Thousand Only)		

You are hereby requested to kindly permit the conduction of the above said session and sanction the remuneration of Rs. 2000/-

  
Prof. Sayali Dhumal  
Course Faculty

  
Prof. Y. R. Ingole  
Head of Department

Remark by Principal:

*Allowed & approved*  
*13/07/2023*





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& RESEARCH, PUNE**

## Department of Robotics & Automation Engineering

Organizes  
Hands on Session on

# "Machine Vision System."

For  
BE Robotics & Automation Engineering Students

**ALPHA  
TECHSYS**  
A U T O M A T I O N



**20/07/2023**

**10.00 am to 12.00 pm**

**Speaker**



**Ms. Pooja Prachand**

Business head  
AlphaTechsys Automation, Pune.

Session Coordinator: **Prof. Sayali Dhumal**





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Record No.: ZCOER-ACAD/R/39

Revision: 00

Date: 01/04/2021

**Notice**

**Department: Robotics & Automation**

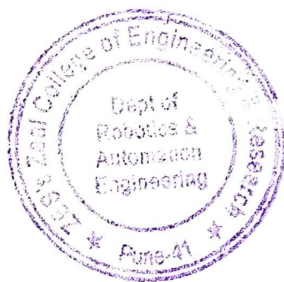
**Semester: I**

**Academic Year: 2023-2024**

**Date: 19.07.2023**

This is to inform that an Expert talk by **Ms. Pooja Prachand, Business Head, Alpha Techsys Automation, Pune** is scheduled on Topic **"Machine Vision System"** on **Thursday 20<sup>th</sup> July, 2023** from **10:00 am to 12:00 pm**.

**Attendance is compulsory to all.**



**Prof. Y. R. Ingole**  
**Head of Department**  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041





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**Letter of Thanks**

Date: 20/07/2023

To,

Mrs. Pooja Prachand,  
Business Head,  
Alpha Techsys Automation,  
Pune

**Subject:** Letter of Thanks.

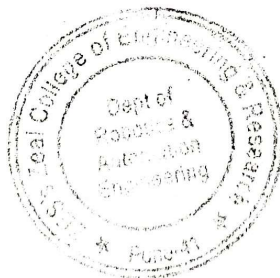
The Zeal Education Society's ZCOER would like to thank you for enlighten us on one of the emerging topic. Your talk about "**Machine Vision System**", was one of the new technologies studied by our students. It was an honor for Zeal College of Engineering and Research to have you as our resourceful eminent speaker.

We believe that the knowledge you have shared will help immensely in the development of the students and eventually translate into better future for them.

We know that your time is precious, and we are grateful you shared some of it with us. We look forward to getting more time from your side to arrange such seminars in future.

Again, thank you so much. We hope to see you soon again.

*Received*  
*Ppt*



*[Signature]*

**Prof. Y. R. Ingole**  
**Head of Department**

Head of Department  
Department of Robotics & Automation Engineering  
Zeal College of Engineering & Research  
Narhe, Pune-411041



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**EXPERT LECTURE CONDUCTION CERTIFICATE**

Date: 20/07/2023

To whom it may concern

Mrs. Pooja Prachand, Business Head, Alpha Techsys Automation, Pune has conducted expert lecture for Fourth Year Robotics & Automation Engineering students on the topic "Machine Vision System", organized by Department of Robotics & Automation Engineering dated 20<sup>th</sup> July 2023 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe, Pune -41, India.



**Prof. Y. R. Ingole  
Head of Department**

Head of Department  
Dept. of Robotics & Automation Engineering  
ZECS Narhe  
Engineering & Research  
Narhe, Pune-411041

*Received*  
*[Signature]*





**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session One Page Report**

Date: 21.07.2023

To,  
The H.O.D.  
Robotics & Automation Engineering Department,  
ZCOER, Narhe.

**Subject:** Report of Expert session conducted by Expert on topic "**Machine Vision System**", at ZCOER, Narhe.

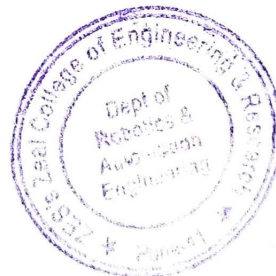
Respected Sir,

With reference to above mentioned subject, I would like to inform you that **Mrs. Pooja Prachand, Business Head, Alpha Techsys Automation, Pune** has successfully conducted a session for the Fourth Year student on the topic "**Machine Vision System**". Students of B.E. were present for this session and the session was very interesting and interactive, **Mrs. Pooja Prachand** along with her team has given demonstration on Machine Vision System.

**Topics discussed during lecture:**

Sr. No	Contents Covered	POs Mapping to the Contents
1	The Session was planned to keep in view the research in the field of Machine Vision System. Mrs. Pooja Prachand shared valuable information about Vision System and demonstrated the same with many applications.	PO1, PO2, PO3, PO4, PO5, PO7, PO9, PO10, PO11, PO12, PSO1, PSO2, PSO3

Thanking You,



Yours Sincerely,

Prof. Sayali S. Dhumal





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NARHE | PUNE -41 | INDIA**

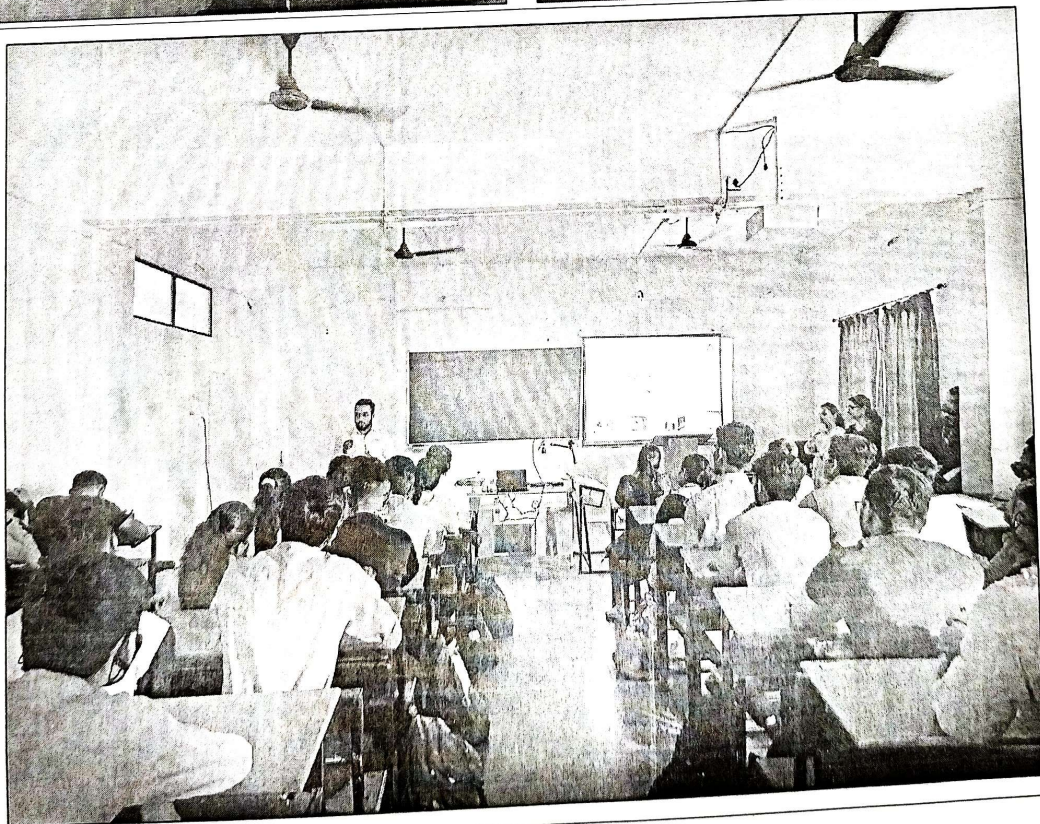
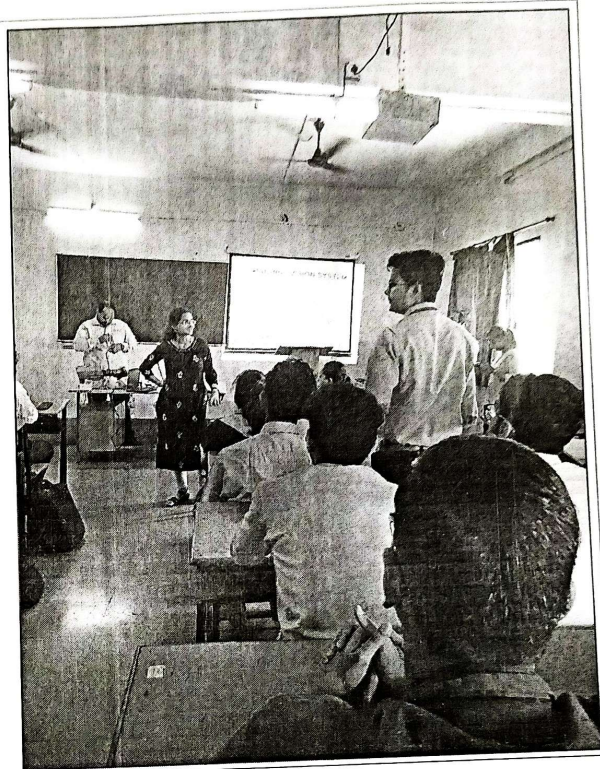
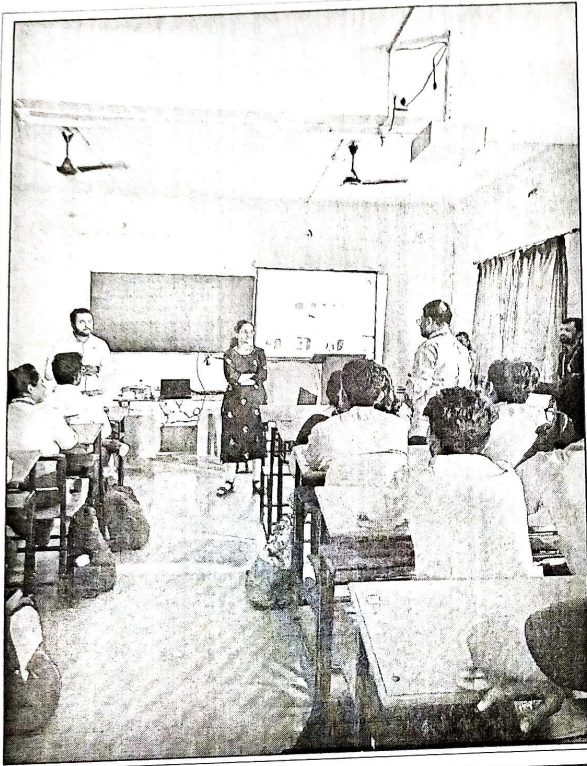


Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Photographs/Screen shots:







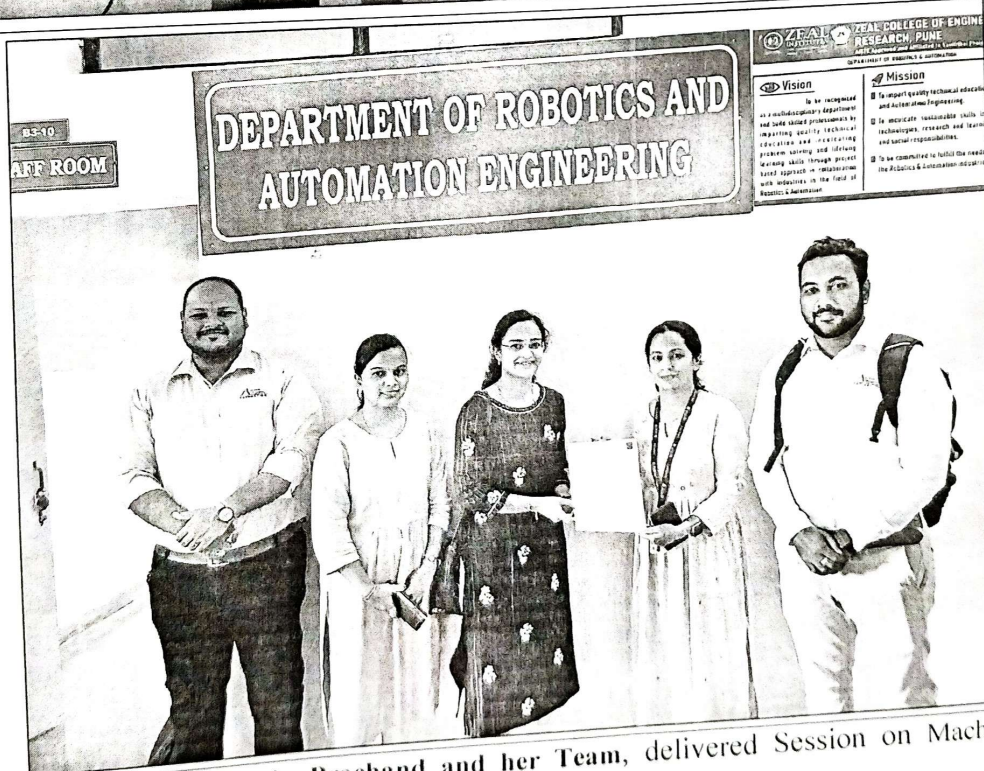
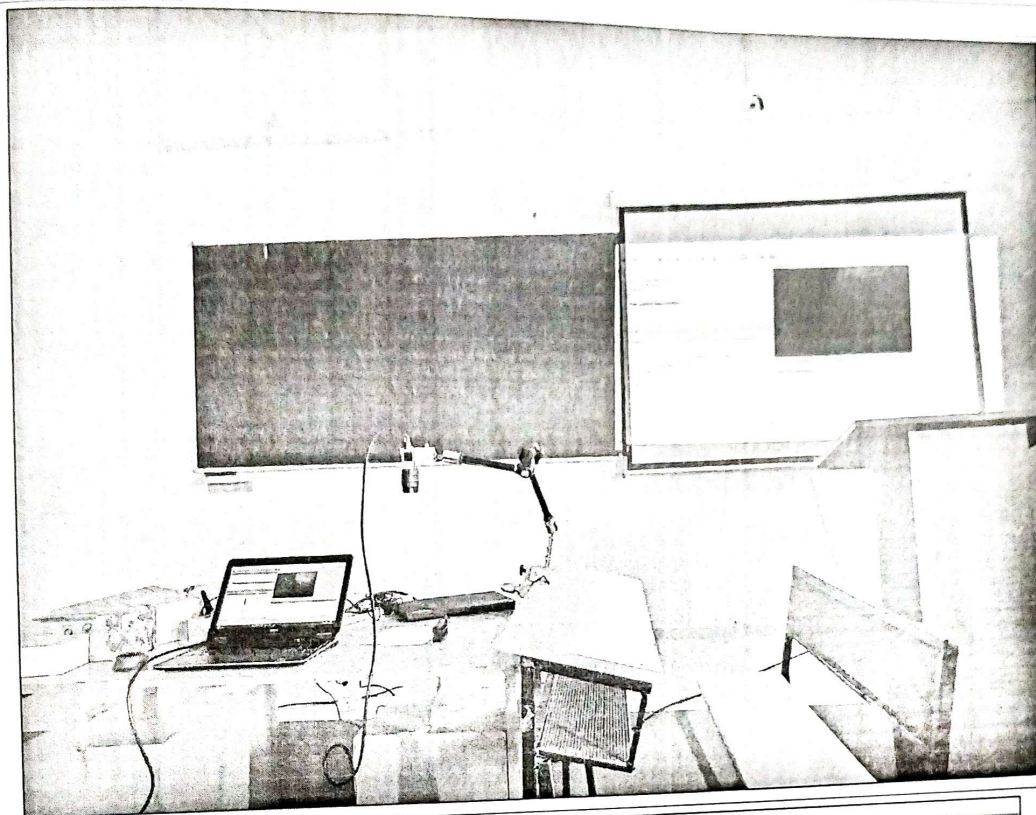
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NARHE | PUNE -41 | INDIA



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021



Expert speaker Mrs. Pooja Prachand and her Team, delivered Session on Machine Vision System for BE students dated 20.07.2023



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Record No.: ACAD/R/21B

Revision: 00

Date: 01/04/2021

**Industry Expert Session Feedback Analysis**

Department: Robotics & Automation Engineering

Academic Year: 2023-2024

Semester: I

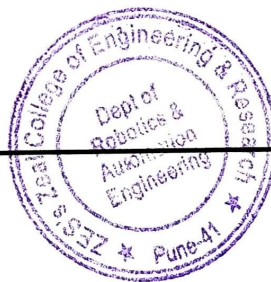
Date: 20.07.2023

Name of Expert/ Guest: Mrs. Pooja Prachand

Sr. No.	Attribute	No. of responses	Marks	
			Obtained	%
1	How would you rate the content of the session?	16	75	93.75
2	How would you rate the knowledge of the guest for the session?		74	92.50
3	How would you rate the content delivery method of the guest for the session?		72	90.00
4	How would you rate the management of the session?		72	90.00
5	Do you think the content of the session added to your knowledge?		80	100.00
			Average%	93.25

Prof. Bikesh Kumar

Feedback Coordinator



Prof. Y. R. Ingole

H.O.D.

Head of Department  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041





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ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance**

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024

Class: BE A

Date: 20/07/23

Subject: MVS

Time: 10:00 am to 12:00 pm

Topics Covered: *Introduction to MVS*

S.N.	Roll No.	Name of Students	Sign
01 A1	B1511001	ANDURE VINIT DEEPAK	
02 A1	B1511002	BAGADE SAKSHI LAXMAN	<i>Sakshi</i>
03 A1	B1511003	BAGAWA SRUSHTI	<i>Srushti</i>
04 A1	B1511004	BAKARE AUM	
05 A1	B1511005	BHADE NAHUSH ANIL	
06 A1	B1511006	BHOSLE SAMRUDDHI	
07 A1	B1511007	BURTE RUTVIK	<i>Rutvik</i>
08 A1	B1511008	CHAUDHARI LALIT VINOD	<i>Lalit</i>
09 A1	B1511009	CHAUHAN YASH	
10 A1	B1511010	CHAVAN ANIKET	
11 A1	B1511011	CHAVAN PRATHAMESH	<i>Prathamesh</i>
12 A1	B1511012	CHOWDHARY PANKAJ	<i>Pankaj</i>
13 A1	B1511013	DESHMUKH AACHAL	
14 A1	B1511014	DEVAKAR SHRIDATTA	<i>Shridatta</i>
15 A1	B1511015	DHAMNE MIHIR GANESH	
16 A1	B1511016	DHOTRE DEVESH MALIK	<i>Devesh</i>
17 A1	B1511017	DHUMAL ROHAN	<i>Rohan</i>
18 A1	B1511018	GADE OM PRADEEP	
19 A1	B1511019	GAIKWAD SURAJ DHANAJI	<i>Suraj</i>
20 A1	B1511020	INDORE RAHUL BHASKAR	<i>Rahul</i>
21 A1	B1511021	JADHAV RAHUL AJIT	
22 A1	B1511022	JAGTAP ABHISHEK	
23 A1	B1511023	JAGTAP PRATHAM	<i>Pratham</i>
24 A1	B1511024	JAGTAP SIDDHESH PRAVIN	<i>Siddhesh</i>
25 A2	B1511025	KADU OM SANDEEP	
26 A2	B1511026	KALAMBE NINAD MILIND	<i>Ninad</i>
27 A2	B1511027	KALE SHRINIVAS	
28 A2	B1511028	KHEDEKAR CHETAN	<i>Chetan</i>
29 A2	B1511029	KSHIRSAGAR AVANTI	
30 A2	B1511030	KUTE CHAITANYA	<i>Chaitanya</i>
31 A2	B1511031	LAHAMAGE TEJAS KIRAN	<i>Tejas</i>
32 A2	B1511032	MAHENDRE VINAY	<i>Vinay</i>
33 A2	B1511033	MALWADKAR ABHISHEK	<i>Abhishek</i>
34 A2	B1511034	MATE ADITI PANDURANG	<i>Aditi</i>
35 A2	B1511035	MORE PRAJWAL	<i>Prajwal</i>
36 A2	B1511036	NACHAN GOKUL	<i>Gokul</i>
37 A2	B1511037	NAIK KHUSHI BHASKAR	
38 A2	B1511038	NAWAL SHIVAM DILIP	<i>Shivam</i>



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NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

S.N.	Roll No.	Name of Students	Sign
39 A2	B1511039	NIKURE PRAJWAL	
40 A2	B1511040	PARDESHI SOURABH	<i>Pardehi</i>
41 A2	B1511041	PATIL BHAVIKA	<i>Patil</i>
42 A2	B1511042	PATIL YASH PRABHAKAR	<i>Patil</i>
43 A2	B1511043	PAWAR VRUSHAB	<i>Pawar</i>
44 A2	B1511044	PORE AJIT PANDURANG	<i>Pore</i>
45 A2	B1511045	PRAJAPATI NILESH	
46 A2	B1511046	PUDALE RUSHIKESH	<i>Rushikesh</i>
47 A2	B1511047	RANDIVE VYANKTESH	
48 A2	B1511048	RANGATE YASH	<i>Rangate</i>
49 A3	B1511049	RANGREJ MUZAFFAR	<i>Rangrej</i>
50 A3	B1511050	RASAL VAIBHAV SANJAY	<i>Rasal</i>
51 A3	B1511051	RAUT PRATIKSHA DINESH	
52 A3	B1511052	ROKADE PRANALI	<i>Pranali</i>
53 A3	B1511053	SABLE TUSHAR	<i>Sable</i>
54 A3	B1511054	SALUNKHE VIKEE ASHOK	<i>Salunkhe</i>
55 A3	B1511055	SALUNKHE YASH AJAY	<i>Salunkhe</i>
56 A3	B1511056	SANDUPATLA ANIKET	
57 A3	B1511057	SHAH NIKUNJ	<i>Shah</i>
58 A3	B1511058	SHAIKH AFAAN KHALID	
59 A3	B1511059	SHAIKH MOHAMMED	<i>M. J. Sheikh</i>
60 A3	B1511060	SHARMA PRERNA	<i>Sharma</i>
61 A3	B1511061	SHEIKH LAYBA MAHIN	<i>Sheikh</i>
62 A3	B1511062	SHINDE ANISHA MARUTI	<i>Shinde</i>
63 A3	B1511063	SURYAWANSHI SURAJ	<i>Suryawanshi</i>
64 A3	B1511064	THORAT SRUSHTI	<i>Thorat</i>
65 A3	B1511065	THORAT VAISHNAVI	<i>Thorat</i>
66 A3	B1511066	TUKARAL ASHISH	
67 A3	B1511067	VASVE KAUSHAL	<i>Vasve</i>
68 A3	B1511068	WAGHMARE LAMBODAR	<i>Waghmare</i>
69 A3	B1511069	WAMAN YASH SHANKAR	<i>Waman</i>
70 A3	B1511070	YADAV SAHIL POPAT	<i>Yadav</i>
<b>Present Students Count</b>			<b>45</b>

Head of Department





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ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Details**

**Department: Robotics & Automation**

**Date: 25/07/2023**

**Expert Speaker Details**

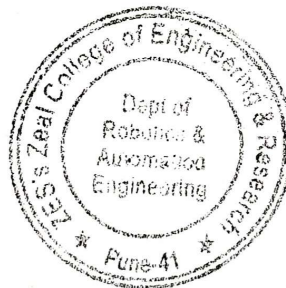
<b>Name</b>	Mrs. Pooja Prachand		
<b>Designation</b>	Business Head		
<b>Company</b>	Alpha Techsys Automation, Pune		
<b>Mode of Session</b>	Offline	<b>Location</b>	B3-08

**Expert Session Details**

Date & Time	Duration Hrs	Topic Covered	Attendance Total Strength=70		Amount in Rs.
			P	A	
20.07.2023 10 am to 12 pm	02	Machine Vision System	45	25	2000
Total Remuneration					2000
Total Hrs	02	In Words: Two Thousand Only			

**Expert Speaker Bank Details**

<b>Name</b>	Pooja Prachand
<b>Bank</b>	ICICI BANK
<b>Branch</b>	Pune-Satara Road, Pune
<b>Account Number</b>	033705010250
<b>IFSC Code</b>	ICIC0000337



**Prof. Y. R. Ingole**

**Recommended**

24/08/23



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Record No.: ZCOER-ACAD/R/21

Revision: 00

Date: 01/04/2021

**Permission for Expert Session**

Department: Robotics & Automation  
Class: BE

Semester: I  
Div: A

Academic Year: 2023-2024  
Date: 17/07/2023

To,  
**The Principal**  
ZCOER, Pune

Subject: Permission for scheduling an Industry Expert Session

Respected Sir,


For enhancing the understanding of students about "**Machine Vision System**", it planned to schedule an Industry Expert Session Program for the B.E. Robotics & Automation Engineering. The best suitable expert is identified for this session and the details are as given below.


<b>Name of Expert:</b>	<b>Mrs. Pooja Prachand</b>
<b>Designation:</b>	<b>Business Head</b>
<b>Organization:</b>	<b>Alpha Techsys Automation, Pune.</b>
<b>Experience:</b>	<b>8 Yrs</b>
<b>Date:</b>	<b>20/07/2023</b>
<b>Time and Duration:</b>	<b>10: 00 am to 12:00 pm</b>

**Remuneration Details:**

Number of Hrs. of session	Remuneration/ Hr.	Total
2 Hrs	1000/- per hour	2000/-
(In Words: Two Thousand Only)		

You are hereby requested to kindly permit the conduction of the above said session and sanction the remuneration of Rs. 2000/-

  
Prof. Sayali Dhumal  
Course Faculty

  
Prof. Y. R. Ingole  
Head of Department

Remark by Principal:

*Allowed & approved*  
*Adate*  
*19/07/2023*





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Record No.: ACAD/R/21B

Revision: 00

Date: 01/04/2021

Industry Expert Session Feedback Analysis

Department: Robotics & Automation Engineering

Academic Year: 2023-2024

Semester: I

Date: 20.07.2023

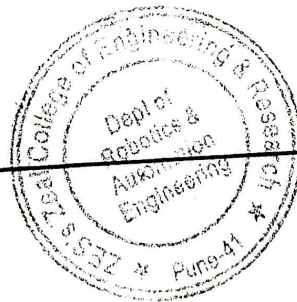
Name of Expert/ Guest: Mrs. Pooja Prachand

Sr. No.	Attribute	No. of responses	Marks	
			Obtained	%
1	How would you rate the content of the session?	16	75	93.75
2	How would you rate the knowledge of the guest for the session?		74	92.50
3	How would you rate the content delivery method of the guest for the session?		72	90.00
4	How would you rate the management of the session?		72	90.00
5	Do you think the content of the session added to your knowledge?		80	100.00
			Average%	93.25



Prof. Bikesh Kumar

Feedback Coordinator



  
Prof. Y. R. Ingole

H.O.D.

Head of Department  
Dept. of Robotics & Automation  
ZES's Zeal College  
Engineering & Research  
Narhe, Pune-41



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Record No.: ZCOER-ACAD/R/21

Revision: 00

Date: 01/04/2021

**Permission for Industry Expert Session**

Department: Robotics & Automation

Semester: I

Academic Year: 2023-2024

Class: TE & BE

Div: A

Date: 01/08/2023

To,  
The Principal  
ZCOER, Pune

Subject: Permission for scheduling an Expert Session

Respected Sir,

For enhancing the understanding of students about "**Microsoft Excel**", It planned to schedule an Expert Session for the Program T.E.& B.E. Robotics & Automation Engineering. The best suitable expert is identified for this session and the details are as given below.

<b>Name of Expert:</b>	<b>Mr. Anup Pradhan</b>
<b>Designation:</b>	<b>Technical trainer</b>
<b>Organization:</b>	<b>Training &amp; Placement Department, ZCoER, Pune</b>
<b>Experience:</b>	<b>09 Yrs</b>
<b>Date:</b>	<b>03/08/2023</b>
<b>Time and Duration:</b>	<b>10: 30 am to 01:30 pm</b>

**Remuneration Details:**

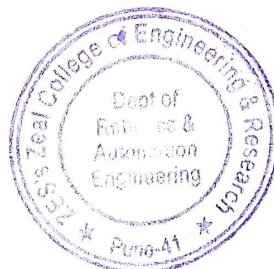
Number of Hrs. of session	Remuneration/ Hr.	Total
3 Hrs	Nil	Nil
(In Words: Nil)		

You are hereby requested to kindly permit the conduction of the above said session and sanction the remuneration of Rs. Nil.

Course Faculty

Remark by Principal:

*Allowed*  
*Arbale*  
*31/08/2023*



Prof. Y. R. Ingole  
Head of Department  
Head of Department  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
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Narhe, Pune-411041





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Record No.: ZCOER-ACAD/R/39

Revision: 00

Date: 01/04/2021

**Notice**

**Department: Robotics & Automation**

**Semester: I Academic Year: 2023-2024**

**Date: 03.08.2023**

This is to inform that an Expert talk by **Prof. Anup Pradhan and Ashutosh Joshi** is scheduled on Topic **"MS Excel Basics and TBD"** on **Thursday 03<sup>rd</sup> August, 2023** from **10:30 am to 01:30 pm** at **CSMA Hall**.

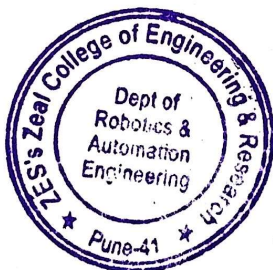
**Session 1: MS Excel Basics**

Trainer : Mr. Anup Pradhan  
Time : 10.30 am to 12.30 pm  
CSMA Hall

**Session 2 : TBD**

Trainer : Mr. Ashutosh Joshi  
Time : 12.30 pm to 01.30 pm  
CSMA Hall

**Attendance is compulsory to all.**



**Prof. Y. R. Ingole**  
**Head of the Department**  
**Robotics & Automation**

**Head of Department**  
**Dept. of Robotics & Automation Engg.**  
**ZES's Zeal College of**  
**Engineering & Research**  
**Narhe, Pune-411041**



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Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**EXPERT SESSION ONE PAGE REPORT**

Date: 5/08/2023

To,  
The H.O.D.  
Robotics & Automation Engineering Department,  
ZCOER, Narhe.

**Subject:** Report of expert lecture conducted by Expert on topic "**Microsoft Excel**" at ZCOER, Narhe.

Respected Sir,

With reference to above mentioned subject, I would like to inform you that **Mr. Anup Pradhan, Technical Trainer, Training & Placement Department, Pune** has successfully conducted an Expert Lecture for the Third & fourth Year student on the topic "**Microsoft Excel**" Students of T.E & B.E. were present for this session and the session was very interesting and interactive, **Mr. Anup Pradhan** has given insight about **Microsoft Excel** in Robotics and various application used in industries.

**Topics discussed during lecture:**

Sr. No	Contents Covered	POs Mapping to the Contents
1	<b>Mr. Anup Pradhan</b> has successfully conducted an Expert Lecture for the Third & fourth Year student on the topic " <b>Microsoft Excel</b> " Students of T.E & B.E. were present for this session and the session was very interesting and interactive. <b>Mr. Anup Pradhan</b> has given insight about <b>Microsoft Excel</b> in Robotics and various application used in industries.	PO1, PO4, PO7, PO8, PO9, PO10, PO12, PSO1, PSO4

Thanking You,

Yours Sincerely





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Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

**Photographs/Screen shots:**







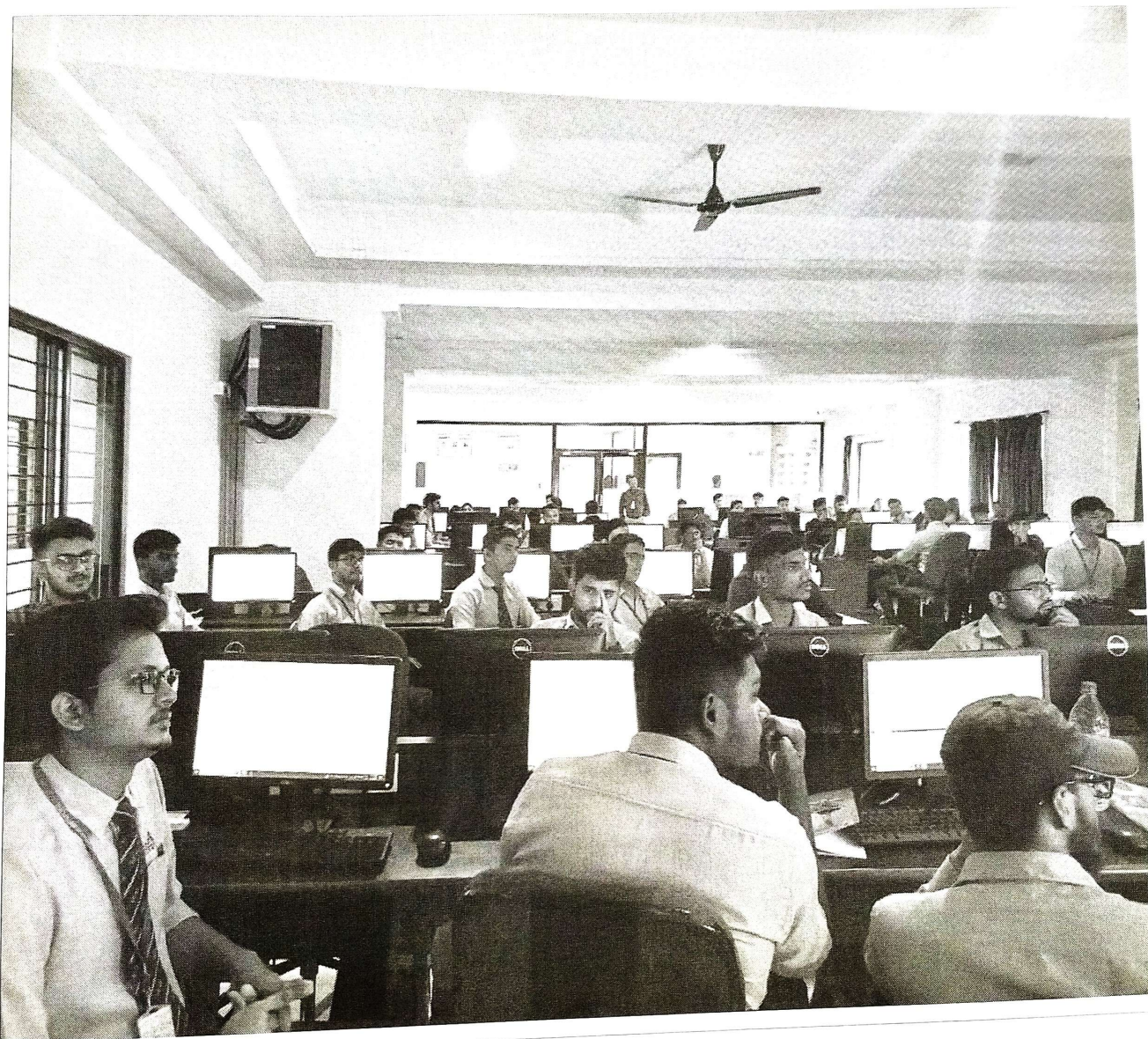
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NARIHE | PUNE -41 | INDIA



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021







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Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021







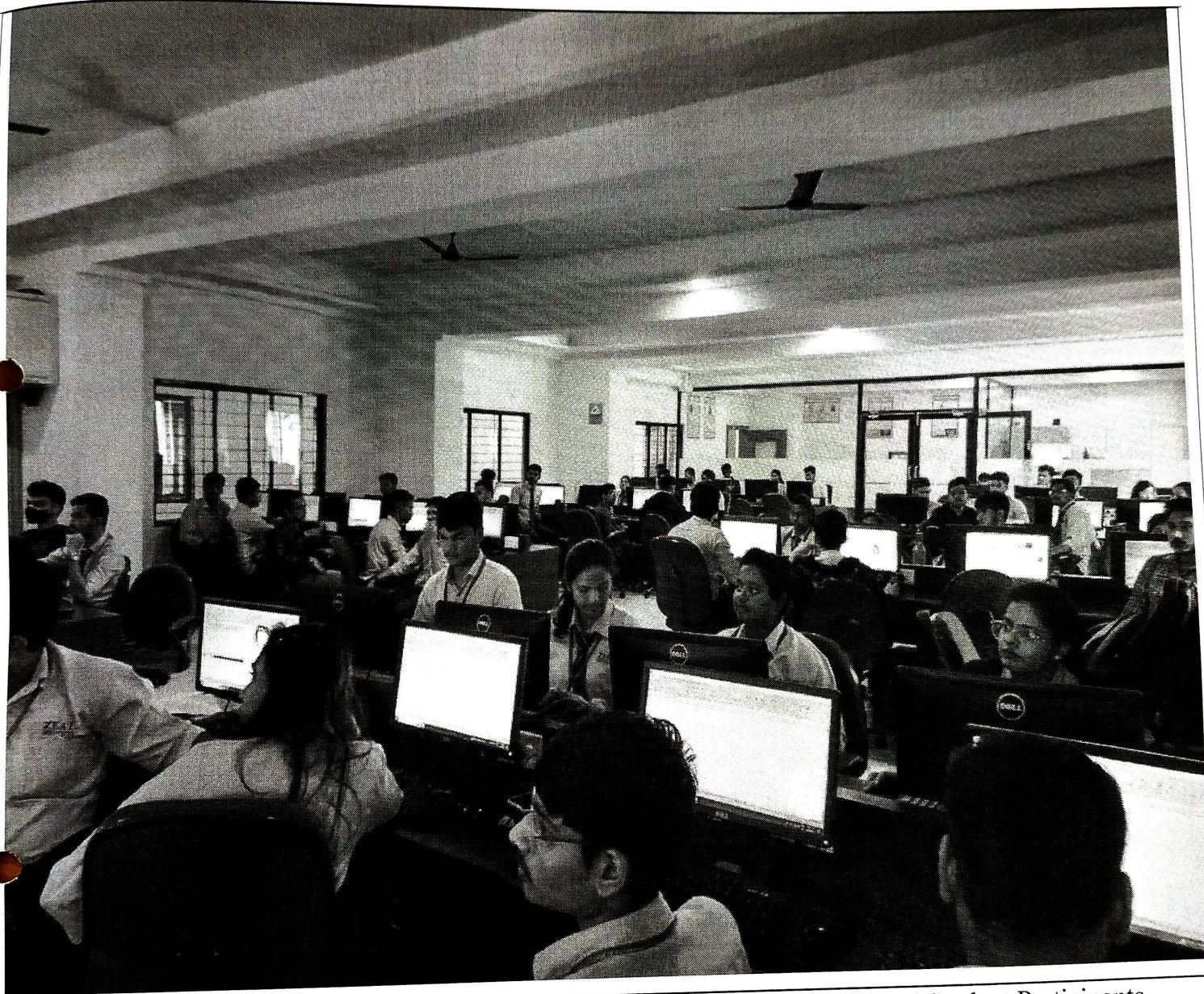
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NARHE | PUNE -41 | INDIA



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021



Prof. Y. R. Ingole, HOD R & A Engg, Guest Speaker **Mr. Anup Pradhan** , Faculties and Student Participants.





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NARHE | PUNE -41 | INDIA**

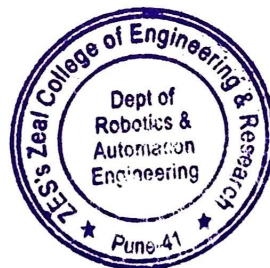


**EXPERT LECTURE CONDUCTION CERTIFICATE**

Date: 03/08/2023

To whom it may concern

**Mr. Anup Pradhan, Technical trainer, Training & Placement Department, Pune** has conducted expert lecture for Third & Fourth Year Robotics & Automation Engineering students on the topic **"Microsoft Excel"**, organized by Department of Robotics & Automation Engineering dated **3<sup>rd</sup> August 2023** at **Zeal Education Society's, Zeal College of Engineering and Research, Narhe , Pune -41, India.**



**Prof. Y. R. Ingole  
Head of Department**

**Head of Department**  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041



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**Letter of Thanks**

Date: 03/08/2023

To,  
**Mr. Anup Pradhan**  
Technical trainer,  
Training & Placement Department,  
Pune.

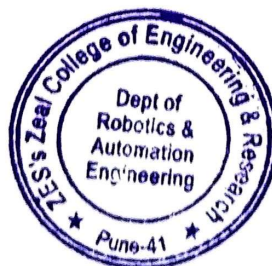
**Subject:** Letter of Thanks.

The Zeal Education Society's ZCOER would like to thank you for enlighten us on one of the emerging topic. Your talk on about about **"Microsoft Excel"**, was one of the new technologies studied by our students. It was an honor for Zeal College of Engineering and Research to have you as our resourceful eminent speaker.

We believe that the knowledge you have shared will help immensely in the development of the students and eventually translate into better future for them.

We know that your time is precious, and we are grateful you shared some of it with us. We look forward to getting more time from your side to arrange such seminars in future.

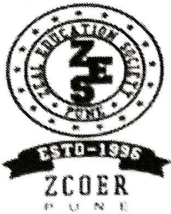
Again, thank you so much. We hope to see you soon again.



**Prof. V. R. Ingole**  
Head of Department

**Head of Department**  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041





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NARHE | PUNE -41 | INDIA**



Record No.: ACAD/R/21B	Revision: 00	Date: 01/04/2021
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**Industry Expert/ Guest Faculty Session Feedback Analysis**

**Department: Robotics & Automation**

**Academic Year: 2023-2024**

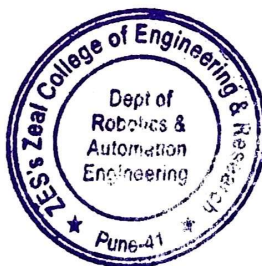
**Semester: I**

**Date: 03.08.2023**

**Name of Expert/ Guest: Mr. Anup Pradhan**

Sr. No.	Attribute	No. of responses	Marks	
			Obtained	%
1	How would you rate the content of the session?	44	184	84
2	How would you rate the knowledge of the guest for the session?		185	84
3	How would you rate the content delivery method of the guest for the session?		185	84
4	How would you rate the management of the session?		176	80
5	Do you think the content of the session added to your knowledge?		204	93

**Feedback Coordinator**



**H.O.D.**

**Head of Department**  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041



**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Daily Attendance Sheet**

Department: Robotics & Automation Engineering  
Class: TE A

SEM: I

Academic Year: 2023-2024

Date: 03/8/23

Sr. No	Roll No.	Name of Students	08:30 to 09:30 am	09:30 to 10:30 am	10:45 to 11:45 am	11:45 to 12:45 pm	01:30 to 02:30 pm	02:30 to 03:30 pm
01 A1	T1511001	AGALE NIKHIL SACHIN	/	/	/	/		
02 A1	T1511002	BAGAL KAWAL YOGESH	/	/	/	/		
03 A1	T1511003	BHAGAT UJJWAL RAMVINAY	/	/	/	/	/	/
04 A1	T1511004	BHANBHANE PRANALI SUKHDEV	/	/	/	/	/	/
05 A1	T1511005	BHASKAR YASH BHARAT	/	/	/	/	/	/
06 A1	T1511006	BHUJBAL NEHA BHARAT	/	/	/	/	/	/
07 A1	T1511007	BIJOY ARYAN	/	/	/	/	/	/
08 A1	T1511008	BODAKE SAURABH	/	/	/	/	/	/
09 A1	T1511009	BONDALE KUNAL MANDAR	/	/	/	/	/	/
10 A1	T1511010	CHAKRAL CHINMAY RAJESH	/	/	/	/	/	/
11 A1	T1511011	CHALARAKAL LEVIN VINCENT	/	/	/	/	/	/
12 A1	T1511012	CHAVAN OMKAR RAGHUNATH	/	/	/	/	/	/
13 A1	T1511013	CHEBALE PAVAN SHYAM	/	/	/	/	/	/
14 A1	T1511014	CHHAPANIMOHAN ROHAN PRAVIN	/	/	/	/	/	/
15 A1	T1511015	DABHADE SANKET SURESH	/	/	/	/	/	/
16 A1	T1511016	DOLASKAR KARTIK	/	/	/	/	/	/
17 A1	T1511017	GADEWAR SAKSHI BALAJI	/	/	/	/	/	/
18 A1	T1511018	GAIKAWAD SAURABH RAJENDRA	/	/	/	/	/	/
19 A1	T1511019	GAIKWAD PRANNOY ATUL	/	/	/	/	/	/
20 A1	T1511020	GHADAGE VAIBHAVI APPASAHEB	/	/	/	/	/	/
21 A1	T1511021	GHOLAP TEJAS BHAIRAVANATH	/	/	/	/	/	/
22 A1	T1511022	INAMDAR SAMIYA FAYAJ	/	/	/	/	/	/
23 A1	T1511023	JADHAV HARSHAL BHAUSAHEB	/	/	/	/	/	/
24 A1	T1511024	JADHAV VISHWARAJ RAVINDRA	/	/	/	/	/	/
25 A1	T1511025	JAGTAP AARYA DEEPAK	/	/	/	/	/	/
26 A2	T1511026	JAGTAP YASH RAHUL	/	/	/	/	/	/
27 A2	T1511027	JORI ABHISHEK	/	/	/	/	/	/
28 A2	T1511028	JORI MANAV AJAY	/	/	/	/	/	/
29 A2	T1511029	KALBHOR SHIVANI ARUN	/	/	/	/	/	/
30 A2	T1511030	KALE ATHARV SHIVAJI	/	/	/	/	/	/
31 A2	T1511031	KARNEWAD SUSHANT BANDU	/	/	/	/	/	/
32 A2	T1511032	KATHARE DIVYA ANIL	/	/	/	/	/	/
33 A2	T1511033	KATKAR ADITYA MANOJ	/	/	/	/	/	/
34 A2	T1511034	KOLI AVANTIKA RAJARAM	/	/	/	/	/	/
35 A2	T1511035	LOKHANDE AMEY ANANT	/	/	/	/	/	/
36 A2	T1511036	LONI MOHAMMAD ESA	/	/	/	/	/	/
37 A2	T1511037	MAGAR OMKAR GANPAT	/	/	/	/	/	/
38 A2	T1511038	MAHAMUNI YASH SANJAY	/	/	/	/	/	/

Expert  
Version  
Attendance





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NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

Department: Robotics & Automation Engineering  
Class: TE A

SEM: I

Academic Year: 2023 -2024

Date:

Sr. No	Roll No.	Name of Students	08:30 to 09:30 am	09:30 to 10:30 am	10:45 to 11:45 am	11:45 to 12:45 pm	01:30 to 02:30 pm	02:30 to 03:30 pm
39 A2	T1511039	MANDAVKAR RUTUJA GOPINATH						
40 A2	T1511040	MEHTA ADITYAKANT RAVIKANT						
41 A2	T1511041	MOHITE SWEETAR SUNIL						
42 A2	T1511042	MORE ABHIJEET SHRIMANT						
43 A2	T1511043	MORE RAHUL RAJENDRA						
44 A2	T1511044	MORE SUSHANT SUNIL						
45 A2	T1511045	NIKAM ANIKET SANTOSH						
46 A2	T1511046	PAIGUDE SANIKA SUNIL						
47 A2	T1511047	PALANGE OMKAR PRADIP						
48 A2	T1511048	PANCHAL SANDHYARANI						
49 A2	T1511049	PARAB OMKAR YOGESH						
50 A2	T1511050	PATIL VARAD VINOD						
51 A3	T1511051	RAUT AKSHAY SUKHADEV						
52 A3	T1511052	RAUT BHAVESH MANOJ						
53 A3	T1511053	SALUNKE ADITYA SANTOSH						
54 A3	T1511054	SALUNKHE GAJENDRASINH						
55 A3	T1511055	SARODE LALIT VIVEKANAND						
56 A3	T1511056	SAYYED RAZIN ARIF						
57 A3	T1511057	SHAIKH AMAN ULFAN						
58 A3	T1511058	SHAIKH SAMIULHAQUE						
59 A3	T1511059	SHAIKH SAQLAIN MUSHTAQ						
60 A3	T1511060	SHELAR ROHAN RAMCHANDRA						
61 A3	T1511061	SHELKE VAIBHAVI SOMNATH						
62 A3	T1511062	SHINDE RUSHIKESH NAVANATH						
63 A3	T1511063	SHIRKE MAHESH SATISH						
64 A3	T1511064	SONAWANE ROHIT RAVINDRA						
65 A3	T1511065	SUTAR ARYAN						
66 A3	T1511066	TALATHI ASAWARI BRIJESH						
67 A3	T1511067	TANNU AMEYA GANESH						
68 A3	T1511068	TATHE KRUSHNA VINAYAK						
69 A3	T1511069	VAIDYA SHUBHAM SANTOSH						
70 A3	T1511070	VISHWAKARMA SHUBHAM						
71 A3	T1511071	WAKCHAURE MUKUNDA						
72 A3	T1511072	WANGE VAISHNAVI						
73 A3	T1511073	WANKHADE SNEHAL SHALIGRAM						
Subject			IRMH	ST	Expert			
Present Students Count			PPC	DNC	Session			
Faculty Initials			28	28	34			
Sign								

CDPTAP

Class Teacher

Academic Coordinator

Head of Department





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Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Daily Attendance Sheet**

Department: Robotics &amp; Automation Engineering

SEM: I

Academic Year: 2023-2024

Class: BE A

Date: 03/08/23

Sr. No	Roll No.	Name of Students	08:30 to 09:30 am	09:30 to 10:30 am	10:45 to 11:45 am	11:45 to 12:45 pm	01:30 to 02:30 pm	02:30 to 03:30 pm
01 A1	B1511001	ANDURE VINIT DEEPAK	<i>Andure</i>	<i>Andure</i>	<i>Andure</i>	<i>Andure</i>		
02 A1	B1511002	BAGADE SAKSHI LAXMAN	<i>Sakshi</i>	<i>Sakshi</i>	<i>Sakshi</i>	<i>Sakshi</i>		
03 A1	B1511003	BAGAWA SRUSHTI CHANDRAKANT	<i>Srushti</i>	<i>Srushti</i>	<i>Srushti</i>	<i>Srushti</i>		
04 A1	B1511004	BAKARE AUM SHAILENDRA	<i>Bakare</i>	<i>Bakare</i>	<i>Bakare</i>	<i>Bakare</i>		
05 A1	B1511005	BHADE NAHUSH ANIL	<i>Nahush</i>	<i>Nahush</i>	<i>Nahush</i>	<i>Nahush</i>		
06 A1	B1511006	BHOSLE SAMRUDDHI SHEKHAR	<i>Bhosle</i>	<i>Bhosle</i>	<i>Bhosle</i>	<i>Bhosle</i>		
07 A1	B1511007	BURTE RUTVIK MAHENDRA	<i>Burte</i>	<i>Burte</i>	<i>Burte</i>	<i>Burte</i>		
08 A1	B1511008	CHAUDHARI LALIT VINOD	<i>Lalit</i>	<i>Lalit</i>	<i>Lalit</i>	<i>Lalit</i>		
09 A1	B1511009	CHAUHAN YASH NARENDRASINGH	<i>Yash</i>	<i>Yash</i>	<i>Yash</i>	<i>Yash</i>		
10 A1	B1511010	CHAVAN ANIKET BHUSHAN	<i>Aniket</i>	<i>Aniket</i>	<i>Aniket</i>	<i>Aniket</i>		
11 A1	B1511011	CHAVAN PRATHAMESH JITENDRA	<i>Prathamesh</i>	<i>Prathamesh</i>	<i>Prathamesh</i>	<i>Prathamesh</i>		
12 A1	B1511012	CHOWDHARY PANKAJ	<i>Pankaj</i>	<i>Pankaj</i>	<i>Pankaj</i>	<i>Pankaj</i>		
13 A1	B1511013	DESHMUKH AACHAL RAJESH	<i>Aachal</i>	<i>Aachal</i>	<i>Aachal</i>	<i>Aachal</i>		
14 A1	B1511014	DEVAKAR SHRIDATTA MADHUKAR	<i>Shridatta</i>	<i>Shridatta</i>	<i>Shridatta</i>	<i>Shridatta</i>		
15 A1	B1511015	DHAMNE MIHIR GANESH	<i>Mihir</i>	<i>Mihir</i>	<i>Mihir</i>	<i>Mihir</i>		
16 A1	B1511016	DHOTRE DEVESH MALIK	<i>Devesh</i>	<i>Devesh</i>	<i>Devesh</i>	<i>Devesh</i>		
17 A1	B1511017	DHUMAL ROHAN VINAYAK	<i>Rohan</i>	<i>Rohan</i>	<i>Rohan</i>	<i>Rohan</i>		
18 A1	B1511018	GADE OM PRADEEP	<i>Om</i>	<i>Om</i>	<i>Om</i>	<i>Om</i>		
19 A1	B1511019	GAIKWAD SURAJ DHANAJI	<i>Suraj</i>	<i>Suraj</i>	<i>Suraj</i>	<i>Suraj</i>		
20 A1	B1511020	INDORE RAHUL BHASKAR	<i>Rahul</i>	<i>Rahul</i>	<i>Rahul</i>	<i>Rahul</i>		
21 A1	B1511021	JADHAV RAHUL AJIT	<i>Rahul</i>	<i>Rahul</i>	<i>Rahul</i>	<i>Rahul</i>		
22 A1	B1511022	JAGTAP ABHISHEK SUDHAKAR	<i>Abhishek</i>	<i>Abhishek</i>	<i>Abhishek</i>	<i>Abhishek</i>		
23 A1	B1511023	JAGTAP PRAJTHAM GOPINATH	<i>Prajtham</i>	<i>Prajtham</i>	<i>Prajtham</i>	<i>Prajtham</i>		
24 A1	B1511024	JAGTAP SIDDHESH PRAVIN	<i>Siddhesh</i>	<i>Siddhesh</i>	<i>Siddhesh</i>	<i>Siddhesh</i>		
25 A2	B1511025	KADU OM SANDEEP	<i>Om</i>	<i>Om</i>	<i>Om</i>	<i>Om</i>		
26 A2	B1511026	KALAMBE NINAD MILIND	<i>Ninad</i>	<i>Ninad</i>	<i>Ninad</i>	<i>Ninad</i>		
27 A2	B1511027	KALE SHRINIVAS SANTOSH	<i>Shrinivas</i>	<i>Shrinivas</i>	<i>Shrinivas</i>	<i>Shrinivas</i>		
28 A2	B1511028	KHEDEKAR CHETAN SANTOSH	<i>Chetan</i>	<i>Chetan</i>	<i>Chetan</i>	<i>Chetan</i>		
29 A2	B1511029	KSHIRSAGAR AVANTI MAHESH	<i>Avanti</i>	<i>Avanti</i>	<i>Avanti</i>	<i>Avanti</i>		
30 A2	B1511030	KUTE CHAITANYA VITTHAL	<i>Chaitanya</i>	<i>Chaitanya</i>	<i>Chaitanya</i>	<i>Chaitanya</i>		
31 A2	B1511031	LAHAMAGE TEJAS KIRAN	<i>Tejas</i>	<i>Tejas</i>	<i>Tejas</i>	<i>Tejas</i>		
32 A2	B1511032	MAHENDRE VINAY GANESH	<i>Vinay</i>	<i>Vinay</i>	<i>Vinay</i>	<i>Vinay</i>		
33 A2	B1511033	MALWADKAR ABHISHEK	<i>Abhishek</i>	<i>Abhishek</i>	<i>Abhishek</i>	<i>Abhishek</i>		
34 A2	B1511034	MATE ADITI PANDURANG	<i>Aditi</i>	<i>Aditi</i>	<i>Aditi</i>	<i>Aditi</i>		
35 A2	B1511035	MORE PRAJWAL SHAMRAO	<i>Prajwal</i>	<i>Prajwal</i>	<i>Prajwal</i>	<i>Prajwal</i>		
36 A2	B1511036	NACHAN GOKUL NIVRUTTI	<i>Gokul</i>	<i>Gokul</i>	<i>Gokul</i>	<i>Gokul</i>		
37 A2	B1511037	NAIK KHUSHI BHASKAR	<i>Khushi</i>	<i>Khushi</i>	<i>Khushi</i>	<i>Khushi</i>		
38 A2	B1511038	NAWAL SHIVAM DILIP	<i>Shivam</i>	<i>Shivam</i>	<i>Shivam</i>	<i>Shivam</i>		





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Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

Department: Robotics & Automation Engineering  
Class: BE A

SEM: I

Academic Year: 2023 -2024

Date: 03/03/23

Sr. No	Roll No.	Name of Students	08:30 to 09:30 am	09:30 to 10:30 am	10:45 to 11:45 am	11:45 to 12:45 pm	01:30 to 02:30 pm	02:30 to 03:30 pm
39 A2	B1511039	NIKURI PRAIWA DE VIDAS	IP	IP				
40 A2	B1511040	PARDISHI SOURABH JAYDEEP						
41 A2	B1511041	PATIL BHAVIKA TARUNKUMAR	Patil	Patil	Patil	Patil		
42 A2	B1511042	PATIL YASH PRABHAKAR	Yash	Yash	Yash	Yash		
43 A2	B1511043	PAWAR VRUSHAB VISHNU						
44 A2	B1511044	PORE AJIT PANDURANG						
45 A2	B1511045	PRAJAPATI NILESH KAMLESH	Nilesh	Nilesh	Nilesh	Nilesh		
46 A2	B1511046	PUDALE RUSHIKESH NAMDEV	Rushikesh	Rushikesh	Rushikesh	Rushikesh		
47 A2	B1511047	RANDIVE VYANKTESH MAHESH	Wankar	Wankar	Wankar	Wankar		
48 A2	B1511048	RANGATE YASH PANDURANG	Yash	Yash	Yash	Yash		
49 A3	B1511049	RANGREJ MUZAFFAR YUNUSALI						
50 A3	B1511050	RASAL VAIBHAV SANJAY	///	///				
51 A3	B1511051	RAUT PRATIKSHA DINESH	P.D. Raut	P.D. Raut	P.D. Raut	P.D. Raut		
52 A3	B1511052	ROKADE PRANALI RAJENDRA						
53 A3	B1511053	SABLE TUSHAR DAYANAND	Sable	Sable	Sable	Sable		
54 A3	B1511054	SALUNKHE VIKEE ASHOK						
55 A3	B1511055	SALUNKHE YASH AJAY	Yash	Yash	Yash	Yash		
56 A3	B1511056	SANDUPATLA ANIKET DEEPAK						
57 A3	B1511057	SHAH NIKUNJ CHANDRESH	Shah	Shah	Shah	Shah		
58 A3	B1511058	SHAIKH AFAAN KHALID						
59 A3	B1511059	SHAIKH MOHAMMED ZAIN ABDUL	M.Zain	M.Zain	M.Zain	M.Zain		
60 A3	B1511060	SHARMA PRERNA YOGESH						
61 A3	B1511061	SHEIKH LAYBA MAHIN KANIJA						
62 A3	B1511062	SHINDE ANISHA MARUTI	Anisha	Anisha	Anisha	Anisha		
63 A3	B1511063	SURYAWANSHI SURAJ MALHARI	Suraj	Suraj	Suraj	Suraj		
64 A3	B1511064	THORAT SRUSHTI SADANAND	SRUSHTI	SRUSHTI	SRUSHTI	SRUSHTI		
65 A3	B1511065	THORAT VAISHNAVI DADASAHEB						
66 A3	B1511066	TUKARAL ASHISH SURYAKANT						
67 A3	B1511067	VASVE KAUSHAL SOMNATH	Kaushal	Kaushal				
68 A3	B1511068	WAGHMARE LAMBODAR VIJAY						
69 A3	B1511069	WAMAN YASH SHANKAR						
70 A3	B1511070	YADAV SAHIL POPAT	Sy	Sy	Sy	Sy		
Subject			IoT	IoT				
Present Students Count			43	44	49			
Faculty Initials			SSD	SSD	Expert			
Sign			SSD	SSD	Session			

C.D.P.  
T.A.P.

Class Teacher

Academic Coordinator

Head of Department



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Record No.: ZCOER-ACAD/R/21

Revision: 00

Date: 01/04/2021

**Permission for Industry Expert Session**

**Department: Robotics & Automation**

**Semester: I**

**Academic Year: 2023-2024**

**Class: SE, TE & BE**

**Div: A**

**Date: 17/08/2023**

To,  
**The Principal**  
ZCOER, Pune

**Subject: Permission for scheduling an Expert Session**

Respected Sir,

For enhancing the understanding of students about **"Audit Course- Human Rights"**, It planned to schedule an Expert Session for the Program T.E.& B.E. Robotics & Automation Engineering. The best suitable expert is identified for this session and the details are as given below.

<b>Name of Expert:</b>	<b>Mr. Anil Kate</b>
<b>Designation:</b>	<b>Technical trainer</b>
<b>Organization:</b>	<b>Head Lakshya Academy, Pune</b>
<b>Experience:</b>	<b>2 Yrs</b>
<b>Date:</b>	<b>19/08/2023</b>
<b>Time and Duration:</b>	<b>10:00 am to 12:00 pm</b>

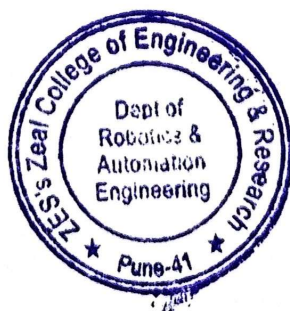
**Remuneration Details:**


Number of Hrs. of session	Remuneration/ Hr.	Total
Nil	Nil	Nil
		Nil

You are hereby requested to kindly permit the conduction of the above said session and sanction the remuneration of Rs. - Nil

  
Prof. Bikesh Kumar  
Course Faculty

**Remark by Principal:**



  
Prof. Y. R. Ingle  
Head of Department  
**Head of Department**  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041





**ZEAL EDUCATION SOCIETY'S  
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Record No.: ZCOER-ACAD/R/39

Revision: 00

Date: 01/04/2021

**Notice**

**Department: Robotics & Automation**

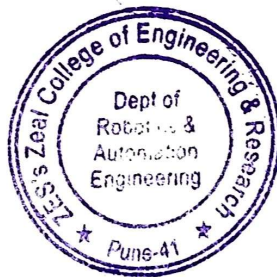
**Sem: I**

**Academic Year: 2023-2024**

**Date: 17.03.2023**

This is to inform that an Expert talk by **Mr. Anil Kate**, Head Lakshya Academy, Pune is scheduled on Topic **"Audit Course- Human Rights"** on **Saturday 19<sup>th</sup> August, 2023** from **10:00 am to 12:00pm**.

**Attendance is compulsory to all.**



**Prof. Y. R. Ingole**

**Head of the Department**

**Head of Department**

**Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041**



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NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**EXPERT SESSION ONE PAGE REPORT**

Date: 19/08/2023

To,  
The H.O.D.  
Robotics & Automation Engineering Department,  
ZCOER, Narhe.

**Subject:** Report of expert lecture conducted by Expert on topic "**Audit Course- Human Rights**" at ZCOER, Narhe.

Respected Sir,

With reference to above mentioned subject, I would like to inform you that **Mr. Anil Kate, Head Lakshya Academy, Pune** has successfully conducted an Expert Lecture for the Second, Third and fourth Year student on the topic "**Audit Course- Human Rights**" Students of S.E,T.E.&B.E. were present for this session and the session was very interesting and interactive, **Mr. Anil Kate** has given valuable information insight about **Human Rights**.

**Topics discussed during lecture:**

Sr. No	Contents Covered	POs Mapping to the Contents
1	The Session was planned for SE, TE, BE students to have Expert Lecture for Human Rights. <b>Mr. Anil Kate</b> shared valuable information about Realize the importance and different approaches to Human rights, Explain different mechanisms of United Nations to ensure and protect the Human Rights.	PO5, PO7, PO8, PO9, PO10, PO12, PSO3

Thanking You,

Yours Sincerely,  
Prof. Bikesh Kumar





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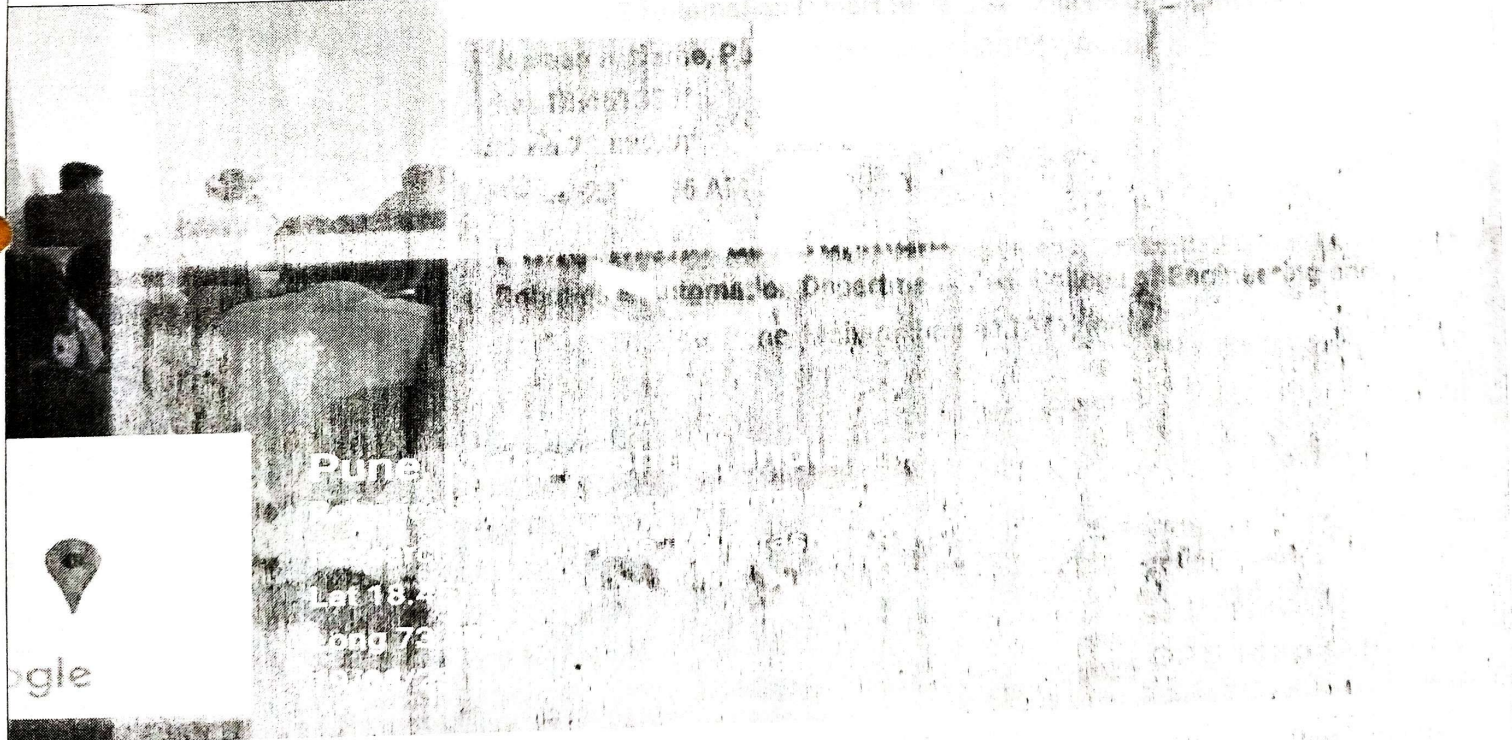


Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

Photographs/Screen shots:



Prof. Y. R. Ingole, HOD R & A Engg  
Total count of student





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NARHE | PUNE -41 | INDIA

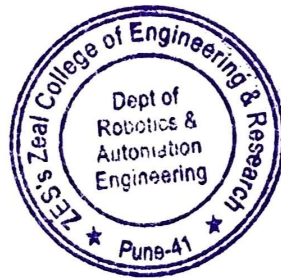


EXPERT LECTURE CONDUCTION CERTIFICATE

Date: 19/08/2023

To whom it may concern

Mr. Anil Kate, Head Lakshya Academy, Pune has conducted expert lecture for Second, Third & Fourth Year Robotics & Automation Engineering students on the topic “**Audit Course- Human Rights**”, organized by Department of Robotics & Automation Engineering dated 19<sup>th</sup> August 2023 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe, Pune -41, India.



Prof. Y. R. Ingle

Head of Department

**Head of Department**

Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041





**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
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**Letter of Thanks**

Date: 19.08.2023

To,

**Mr. Anil Kate ,  
Head Lakshya Academy,  
Pune.**

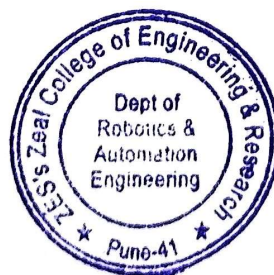
**Subject:** Letter of Thanks.

The Zeal Education Society's ZCOER would like to thank you for enlighten us on one of the emerging topic. Your talk on about about **"Audit Course- Human Rights"**, was one of the new technologies studied by our students. It was an honor for Zeal College of Engineering and Research to have you as our resourceful eminent speaker.

We believe that the knowledge you have shared will help immensely in the development of the students and eventually translate into better future for them.

We know that your time is precious, and we are grateful you shared some of it with us. We look forward to getting more time from your side to arrange such seminars in future.

Again, thank you so much. We hope to see you soon again.



**Prof. Y. R. Ingole  
Head of Department**

**Head of Department**  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
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Record No.: ACAD/R/21B

Revision: 00

Date: 01/04/2021

**Industry Expert/ Guest Faculty Session Feedback Analysis**

Department: Robotics & Automation

Academic Year: 2023-2024

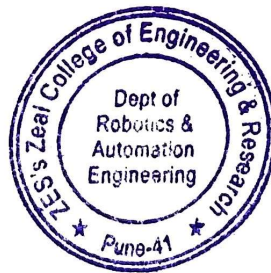
Semester: II

Date: 19.08.2023

Name of Expert/ Guest: Mr. Anil Kate

No.	Attribute	No. of responses	Marks	
			Obtained	%
1	How would you rate the content of the session?	30	140	93
2	How would you rate the knowledge of the guest for the session?		135	90
3	How would you rate the content delivery method of the guest for the session?		130	87
4	How would you rate the management of the session?		140	93
5	Do you think the content of the session added to your knowledge?		135	90

Feedback Coordinator



H.O.D.

**Head of Department**  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
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Narhe, Pune-411041





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NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R/21

Revision: 00

Date: 01/04/2021

**Permission for Industry Expert Session**

Department: Robotics & Automation

Semester: I

Academic Year: 2023-2024

Class: SE

Div: A

Date: 11/09/2023

To,  
The Principal  
ZCOER, Pune

Subject: Permission for scheduling an Expert Session

Respected Sir,

For enhancing the understanding of students about “C-Programming Lab”, It planned to schedule an Expert Session for the Program S.E. Robotics & Automation Engineering. The best suitable expert is identified for this session and the details are as given below.

<b>Name of Expert:</b>	<b>Mr. Ajinkya Gaikwad</b>
<b>Designation:</b>	<b>Senior Corporate Trainer</b>
<b>Organization:</b>	<b>CADD Center Aundh</b>
<b>Experience:</b>	<b>3 Yrs</b>
<b>Date:</b>	<b>12/09/2023,13/09/2023,14/09/2023</b>
<b>Time and Duration:</b>	<b>9: 45 am to 11:45 am,12.30pm to 2.30pm</b>

**Remuneration Details:**

Number of Hrs. of session	Remuneration/ Hr.	Total
4 Hrs	Nil	Nil
(In Words:Nil)		

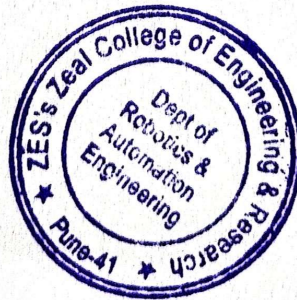
You are hereby requested to kindly permit the conduction of the above said session and sanction the remuneration of Rs. Nil

Prof. Kotakar A.S.  
Course Faculty

Prof. Y. R. Ingole  
Head of Department

Remark by Principal:

*Allowed  
&  
approved  
A. Kotakar*



**Head of Department**  
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Record No.: ZCOER-ACAD/R/39

Revision: 00

Date: 01/04/2021

**Notice**

**Department: Robotics & Automation**

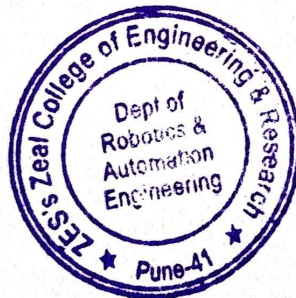
**Sem: I**

**Academic Year: 2023-2024**

**Date: 11.09.2023**

This is to inform that an Expert talk by **Mr. Ajinkya Gaikwad, Senior Corporate Trainer, CADD Center Aundh** is scheduled on Topic **"C-Programming Lab"** on 12<sup>th</sup>, 13<sup>th</sup>, 14<sup>th</sup> September 2023 from 9: 45 am to 11:45 am & 12.30pm to 2.30pm.

**Attendance is compulsory to all.**



**Prof. Y. R. Ingole**  
**Head of the Department**  
**Robotics & Automation**

**Head of Department**  
**Dept. of Robotics & Automation Engg.**  
**ZES's Zeal College of**  
**Engineering & Research**  
**Narhe, Pune-411041**





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Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**EXPERT SESSION ONE PAGE REPORT**

Date: 14/09/2023

To,  
The H.O.D.  
Robotics & Automation Engineering Department,  
ZCOER, Narhe.

**Subject:** Report of expert lecture conducted by Expert on topic "**C-Programming Lab**" at ZCOER, Narhe.

Respected Sir,

With reference to above mentioned subject, I would like to inform you that **Mr. Ajinkya Gaikwad, Senior Corporate Trainer, CADD Center Aundh** has successfully conducted an Expert Lecture for the Second Year student on the topic "**C-Programming Lab**" Students of S.E. were present for this session and the session was very interesting and interactive, **Mr. Ajinkya Gaikwad** has given insight about **C-Programming** in Robotics and various application used in industries.

**Topics discussed during lecture:**

Sr. No	Contents Covered	POs Mapping to the Contents
1	<p><b>Mr. Ajinkya Gaikwad</b> has successfully conducted an Expert Lecture for the Second Year student on the topic "<b>C-Programming Lab</b>". <b>Mr. Ajinkya Gaikwad</b> shared valuable information about C-programming lab and demonstrated the same with many applications.</p> <p>The session covered installation of Linux Operating System with GCC / TURBO C in WINDOWS OS / TURBO C++ in WINDOWS OS, To be familiar with syntax and structure of C- programming, To learn problem solving techniques using C.</p>	PO1, PO4, PO7, PO8, PO9, PO10, PO12, PSO1, PSO4

Thanking You,

Yours Sincerely



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NARHE | PUNE -41 | INDIA**

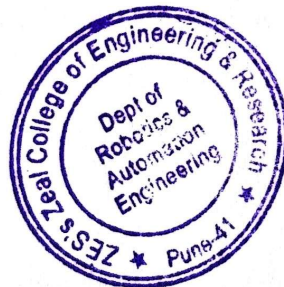


**EXPERT LECTURE CONDUCTION CERTIFICATE**

Date: 14/09/2023

To whom it may concern

Mr. Ajinkya Gaikwad, Senior Corporate Trainer, CADD Center Aundh has conducted expert lecture for Second Year Robotics & Automation Engineering students on the topic "**C-Programming Lab**", organized by Department of Robotics & Automation Engineering dated 12<sup>th</sup>, 13<sup>th</sup>, 14<sup>th</sup> September 2023 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe, Pune -41, India.



**Prof. Y. R. Ingole  
Head of Department**

**Head of Department**  
Dept. of Robotics & Automation Engg  
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NARHE | PUNE -41 | INDIA**



**Letter of Thanks**

Date: 14/09/2023

To  
**Mr. Ajinkya Gaikwad**  
Senior Corporate Trainer,  
CADD Center Aundh.

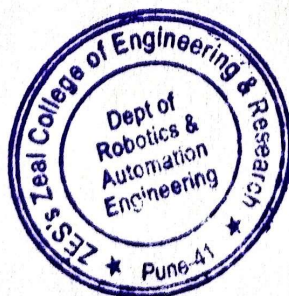
**Subject:** Letter of Thanks.

The Zeal Education Society's ZCOER would like to thank you for enlighten us on one of the emerging topic. Your talk on about about "**C-Programming Lab**", was one of the new technologies studied by our students. It was an honor for Zeal College of Engineering and Research to have you as our resourceful eminent speaker.

We believe that the knowledge you have shared will help immensely in the development of the students and eventually translate into better future for them.

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**Prof. Y. R. Ingole**  
Head of Department

**Head of Department**  
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Record No.: ACAD/R/21B

Revision: 00

Date: 01/04/2021

Industry Expert/ Guest Faculty Session Feedback Analysis

Department: Robotics & Automation

Academic Year: 2023-2024

Semester: I

Date: 14.09.2023

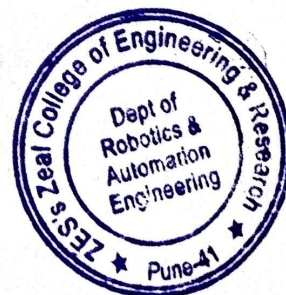
Name of Expert/ Guest: Mr. Ajinkya Gaikwad

Sr. No.	Attribute	No. of responses	Marks	
			Obtained	%
1	How would you rate the content of the session?	30	140	97
2	How would you rate the knowledge of the guest for the session?		139	96
3	How would you rate the content delivery method of the guest for the session?		135	93
4	How would you rate the management of the session?		139	96
5	Do you think the content of the session added to your knowledge?		130	90

Feedback Coordinator

H.O.D.

Head of Department  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
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Narhe, Pune-411041







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NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**CDP Session Attendance**

Department: Robotics &amp; Automation Engineering

SEM: I

Academic Year: 2023 -2024

Class: SE A

Date: 12/09/2023

Course: *C - Programming Lab*Topics Covered: *Syntax & Structures*

(9.45 - 11.45 am)

S.N.	Roll No.	Name of Students	Signature
01 A1	S1511001	SHINDE SHUBHAM SHRIKANT	<i>[Signature]</i>
02 A1	S1511002	KAPSE VIVEK BALU	<i>[Signature]</i>
03 A1	S1511003	MAHADIK SWAPNIL NARAYAN	<i>[Signature]</i>
04 A1	S1511004	GHADGE SHIVAM SANJAY	<i>[Signature]</i>
05 A1	S1511005	ALEKAR PRAJWAL DAYANAND	<i>[Signature]</i>
06 A1	S1511006	KOLI SAYALI JAGDISH	<i>[Signature]</i>
07 A1	S1511007	MALWADE OM SACHIN	<i>[Signature]</i>
08 A1	S1511008	SHETE SANIKA MANOJ	<i>[Signature]</i>
09 A1	S1511009	NAGMODE DEVANSHU	<i>[Signature]</i>
10 A1	S1511010	LOKHANDE ABHIJEET SANJAY	<i>[Signature]</i>
11 A1	S1511011	VIRKAR SURAJ NAVNATH	<i>[Signature]</i>
12 A1	S1511012	NANDE BHAKTI RAJENDRA	<i>[Signature]</i>
13 A1	S1511013	THOPATE PURVA PANDURANG	<i>[Signature]</i>
14 A1	S1511014	NIKAM SAHIL PANKAJ	<i>[Signature]</i>
15 A1	S1511015	DHARAWANE PRACHI SANTOSH	<i>[Signature]</i>
16 A1	S1511016	KHAPAKE KALYANI SANTOSH	<i>[Signature]</i>
17 A1	S1511017	BHORKADE NIKHIL DATTU	<i>[Signature]</i>
18 A1	S1511018	DANDWATE PRIYANKA	<i>[Signature]</i>
19 A1	S1511019	TELI GIRIJA LAXMAN	<i>[Signature]</i>
20 A1	S1511020	LATPATE DIPALI SAHEBRAO	<i>[Signature]</i>
21 A1	S1511021	RATHOD VEDANT VINOD	<i>[Signature]</i>
22 A1	S1511022	GHADGE SAKSHI PRALHAD	<i>[Signature]</i>
23 A2	S1511023	MANURE PARSHURAM	<i>[Signature]</i>
24 A2	S1511024	MORE RIYA RAJENDRA	<i>[Signature]</i>
25 A2	S1511025	AVHAD GAURAV SHARAD	<i>[Signature]</i>
26 A2	S1511026	PADMUKH KARAN RAMESH	<i>[Signature]</i>
27 A2	S1511027	WAGHMARE PRASAD MOTIRAM	<i>[Signature]</i>
28 A2	S1511028	SINGH ADITYA	<i>[Signature]</i>
29 A2	S1511029	MARGALE SANTOSH KISAN	<i>[Signature]</i>
30 A2	S1511030	RATHOD MAYANK UMESH	<i>[Signature]</i>
31 A2	S1511031	BANTE CHAITANYA RAJESH	<i>[Signature]</i>
32 A2	S1511032	GAWADE HARSH	<i>[Signature]</i>
33 A2	S1511033	MAHAKALKAR ATHARV	<i>[Signature]</i>
34 A2	S1511034	PATHAN SHAHANOOR VAZIR	<i>[Signature]</i>
35 A2	S1511035	HIWALE ADITYA ASHOK	<i>[Signature]</i>
36 A2	S1511036	SARDESAI VIDULA SUDHIR	<i>[Signature]</i>
37 A2	S1511037	JAGTAP NEHA VIRSING	<i>[Signature]</i>
38 A2	S1511038	KUDALE SEEYA MUKUND	<i>[Signature]</i>





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Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**CDP Session Attendance**

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024

Class: SE A

Date: 12/09/2023

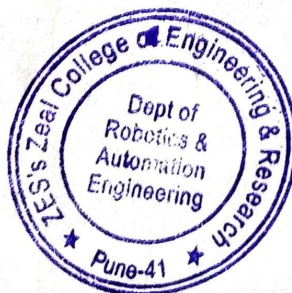
Course: *C Programming Lab*

*09:45 to 11:45*

Topics Covered:

S.N.	Roll No.	Name of Students	Signature
39 A2	S1511039	GAWADE PRATIK EKNATH	<i>Pratik G</i>
40 A2	S1511040	SHINDE SWEETY YOGESH	<i>Sweety</i>
41 A2	S1511041	INGALE RAJ SANJAY	<i>Raj</i>
42 A2	S1511042	CHAVAN PAYAL PANDU	<i>Payal</i>
43 A2	S1511043	KUMBHAR VEDANT PRAVIN	<i>Vedant</i>
44 A2	S1511044	NIMBALKAR PRAJWAL	<i>Prajwal</i>
45 A3	S1511045	YEVALE YASH DILIP	<i>Yash</i>
46 A3	S1511046	HIWARDE VEDANT RAMDAS	<i>Vedant</i>
47 A3	S1511047	NANAWARE ATHARVA SACHIN	<i>Atharva</i>
48 A3	S1511048	BHUYAN PRASANTH	<i>Prasanth</i>
49 A3	S1511049	GADHAVE PRATIKSHA	<i>Pratiksha</i>
50 A3	S1511050	CHOUDHARY NANDITA	<i>Nandita</i>
51 A3	S1511051	MORE SHRUTI SANJAY	<i>Shruti</i>
52 A3	S1511052	KIRATKAR RAJBODHI SURESH	<i>Rajbodhi</i>
53 A3	S1511053	KULKARNI ADITYA AJIT	<i>Aditya</i>
54 A3	S1511054	PATIL YASH SANJAY	<i>Yash</i>
55 A3	S1511055	SAINDANE MANISH MANOJ	<i>Manish</i>
56 A3	S1511056	PARKHI SARANG UDAY	<i>Sarang</i>
57 A3	S1511057	MORKHADE PRATIK MOHAN	<i>Pratik</i>
58 A3	S1511058	SALUNKE JAYESH SACHIN	<i>Jayesh</i>
59 A3	S1511059	POKALE HARSH PRAKASH	<i>Harsh</i>
60 A3	S1511060	PATIL TANMAY PRADEEP	<i>Tanmay</i>
61 A3	S1511061	SHEJUL PRERANA VIJAY	<i>Prerana</i>
62 A3	S1511062	SHINDE OMKAR MARUTI	<i>Omkar</i>
63 A3	S1511063	GADEKAR RAJESH GORAKSH	<i>Rajesh</i>
64 A3	S1511064	TAPKIRE SMIT RAMESHRAO	<i>Smit</i>
65 A3	S1511065	BIRADAR ASHWINI BHARAT	<i>Ashwini</i>
66 A3	S1511066	DHAWANE PRATIK NARAYAN	<i>Pratik</i>
67 A3	S1511067	PAYGHAN VISHAL GAJANAN	<i>Vishal</i>
Present Students Count			51

*Mahanob Gheeya Sandip*



*[Signature]*  
Head of Department  
Dept. of Robotics & Automation Engg.





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Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**CDP Session Attendance**

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024

Class: SE A

Date: 12/09/2023

Course: C - Programming

Topics Covered: Data Types, operators & Expression

(12.30 - 2.30 pm)

S.N.	Roll No.	Name of Students	Signature
01 A1	S1511001	SHINDE SHUBHAM SHRIKANT	
02 A1	S1511002	KAPSE VIVEK BALU	
03 A1	S1511003	MAHADIK SWAPNIL NARAYAN	
04 A1	S1511004	GHADGE SHIVAM SANJAY	
05 A1	S1511005	ALEKAR PRAJWAL DAYANAND	
06 A1	S1511006	KOLI SAYALI JAGDISH	
07 A1	S1511007	MALWADE OM SACHIN	
08 A1	S1511008	SHETE SANIKA MANOJ	
09 A1	S1511009	NAGMODE DEVANSHU	
10 A1	S1511010	LOKHANDE ABHIJEET SANJAY	
11 A1	S1511011	VIRKAR SURAJ NAVNATH	
12 A1	S1511012	NANDE BHAKTI RAJENDRA	
13 A1	S1511013	THOPATE PURVA PANDURANG	
14 A1	S1511014	NIKAM SAHIL PANKAJ	
15 A1	S1511015	DHARAWANE PRACHI SANTOSH	
16 A1	S1511016	KHAPAKE KALYANI SANTOSH	
17 A1	S1511017	BHORKADE NIKHIL DATTU	
18 A1	S1511018	DANDWATE PRIYANKA	
19 A1	S1511019	TELI GIRIJA LAXMAN	
20 A1	S1511020	LATPATE DIPALI SAHEBRAO	
21 A1	S1511021	RATHOD VEDANT VINOD	
22 A1	S1511022	GHADGE SAKSHI PRALHAD	
23 A2	S1511023	MANURE PARSHURAM	
24 A2	S1511024	MORE RIYA RAJENDRA	
25 A2	S1511025	AVHAD GAURAV SHARAD	
26 A2	S1511026	PADMUKH KARAN RAMESH	
27 A2	S1511027	WAGHMARE PRASAD MOTIRAM	
28 A2	S1511028	SINGH ADITYA	
29 A2	S1511029	MARGALE SANTOSH KISAN	
30 A2	S1511030	RATHOD MAYANK UMESH	
31 A2	S1511031	BANTE CHAITANYA RAJESH	
32 A2	S1511032	GAWADE HARSH	
33 A2	S1511033	MAHAKALKAR ATHARV	
34 A2	S1511034	PATHAN SHAHANOR VAZIR	
35 A2	S1511035	HIWALE ADITYA ASHOK	
36 A2	S1511036	SARDESAI VIDULA SUDHIR	
37 A2	S1511037	JAGTAP NEHA VIRSING	
38 A2	S1511038	KUDALE SEEYA MUKUND	





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Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**CDP Session Attendance**

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024

Class: SE A

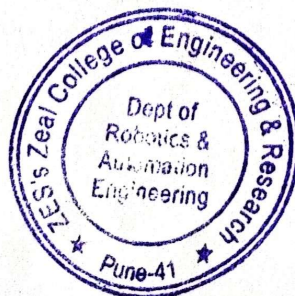
Date: 12/09/2023

Course: C-Programming

Topics Covered:

S.N.	Roll No.	Name of Students	Signature
39 A2	S1511039	GAWADE PRATIK EKNATH	
40 A2	S1511040	SHINDE SWEETY YOGESH	
41 A2	S1511041	INGALE RAJ SANJAY	
42 A2	S1511042	CHAVAN PAYAL PANDU	
43 A2	S1511043	KUMBHAR VEDANT PRAVIN	
44 A2	S1511044	NIMBALKAR PRAJWAL	
45 A3	S1511045	YEVALE YASH DILIP	
46 A3	S1511046	HIWARDE VEDANT RAMDAS	
47 A3	S1511047	NANAWARE ATHARVA SACHIN	
48 A3	S1511048	BHUYAN PRASANTH	
49 A3	S1511049	GADHAVE PRATIKSHA	
50 A3	S1511050	CHOUDHARY NANDITA	
51 A3	S1511051	MORE SHRUTI SANJAY	
52 A3	S1511052	KIRATKAR RAJBODHI SURESH	
53 A3	S1511053	KULKARNI ADITYA AJIT	
54 A3	S1511054	PATIL YASH SANJAY	
55 A3	S1511055	SAINDANE MANISH MANOJ	
56 A3	S1511056	PARKHI SARANG UDAY	
57 A3	S1511057	MORKHADE PRATIK MOHAN	
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59 A3	S1511059	POKALE HARSH PRAKASH	
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66 A3	S1511066	DHAWANE PRATIK NARAYAN	
67 A3	S1511067	PAYGHAN VISHAL GAJANAN	
<b>Present Students Count</b>			<b>49</b>

Mahant Shteya Sondeep



**Head of Department**  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research





**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance**

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023-2024

Class: SE A

Date: 13/09/2023

Course: C Programming

09:45 to 11:45 am

Topics Covered: formatted & un-formatted (I/O)

S.N.	Roll No.	Name of Students	Signature
01 A1	S1511001	SHINDE SHUBHAM SHRIKANT	
02 A1	S1511002	KAPSE VIVEK BALU	
03 A1	S1511003	MAHADIK SWAPNIL NARAYAN	
04 A1	S1511004	GHADGE SHIVAM SANJAY	
05 A1	S1511005	ALEKAR PRAJWAL DAYANAND	
06 A1	S1511006	KOLI SAYALI JAGDISH	
07 A1	S1511007	MALWADE OM SACHIN	
08 A1	S1511008	SHETE SANIKA MANOJ	
09 A1	S1511009	NAGMODE DEVANSHU	
10 A1	S1511010	LOKHANDE ABHIJEET SANJAY	
11 A1	S1511011	VIRKAR SURAJ NAVNATH	
12 A1	S1511012	NANDE BHAKTI RAJENDRA	
13 A1	S1511013	THOPATE PURVA PANDURANG	
14 A1	S1511014	NIKAM SAHIL PANKAJ	
15 A1	S1511015	DHARAWANE PRACHI SANTOSH	
16 A1	S1511016	KHAPAKE KALYANI SANTOSH	
17 A1	S1511017	BHORKADE NIKHIL DATTU	
18 A1	S1511018	DANDWATE PRIYANKA	
19 A1	S1511019	TELI GIRIJA LAXMAN	
20 A1	S1511020	LATPATE DIPALI SAHEBRAO	
21 A1	S1511021	RATHOD VEDANT VINOD	
22 A1	S1511022	GHADGE SAKSHI PRALHAD	
23 A2	S1511023	MANURE PARSHURAM	
24 A2	S1511024	MORE RIYA RAJENDRA	
25 A2	S1511025	AVHAD GAURAV SHARAD	
26 A2	S1511026	PADMUKH KARAN RAMESH	
27 A2	S1511027	WAGHMARE PRASAD MOTIRAM	
28 A2	S1511028	SINGH ADITYA	
29 A2	S1511029	MARGALE SANTOSH KISAN	
30 A2	S1511030	RATHOD MAYANK UMESH	
31 A2	S1511031	BANTE CHAITANYA RAJESH	
32 A2	S1511032	GAWADE HARSH	
33 A2	S1511033	MAHAKALKAR ATHARV	
34 A2	S1511034	PATHAN SHAHANOOR VAZIR	
35 A2	S1511035	HIWALE ADITYA ASHOK	
36 A2	S1511036	SARDESAI VIDULA SUDHIR	
37 A2	S1511037	JAGTAP NEHA VIRSING	
38 A2	S1511038	KUDALE SEEYA MUKUND	





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Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance**

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024

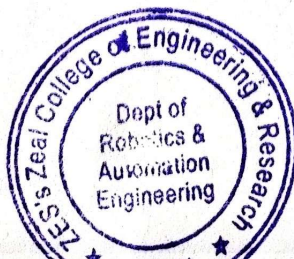
Class: SE A

Date: 18/09/2023

Course: C - Programming

Topics Covered:

S.N.	Roll No.	Name of Students	Signature
39 A2	S1511039	GAWADE PRATIK EKNATH	
40 A2	S1511040	SHINDE SWEETY YOGESH	
41 A2	S1511041	INGALE RAJ SANJAY	
42 A2	S1511042	CHAVAN PAYAL PANDU	
43 A2	S1511043	KUMBHAR VEDANT PRAVIN	
44 A2	S1511044	NIMBALKAR PRAJWAL	
45 A3	S1511045	YEVALE YASH DILIP	
46 A3	S1511046	HIWARDE VEDANT RAMDAS	
47 A3	S1511047	NANAWARE ATHARVA SACHIN	
48 A3	S1511048	BHUYAN PRASANTH	
49 A3	S1511049	GADHAVE PRATIKSHA	
50 A3	S1511050	CHOUDHARY NANDITA	
51 A3	S1511051	MORE SHRUTI SANJAY	
52 A3	S1511052	KIRATKAR RAJBODHI SURESH	
53 A3	S1511053	KULKARNI ADITYA AJIT	
54 A3	S1511054	PATIL YASH SANJAY	
55 A3	S1511055	SAINDANE MANISH MANOJ	
56 A3	S1511056	PARKHI SARANG UDAY	
57 A3	S1511057	MORKHADE PRATIK MOHAN	
58 A3	S1511058	SALUNKE JAYESH SACHIN	
59 A3	S1511059	POKALE HARSH PRAKASH	
60 A3	S1511060	PATIL TANMAY PRADEEP	
61 A3	S1511061	SHEJUL PRERANA VIJAY	
62 A3	S1511062	SHINDE OMKAR MARUTI	
63 A3	S1511063	GADEKAR RAJESH GORAKSH	
64 A3	S1511064	TAPKIRE SMIT RAMESHRAO	
65 A3	S1511065	BIRADAR ASHWINI BHARAT	
66 A3	S1511066	DHAWANE PRATIK NARAYAN	
67 A3	S1511067	PAYGHAN VISHAL GAJANAN	
68 A3	S1511068	BHALERAO KUMAR GANESH	
69 A3	S1511069	MAHANOR SHREYA SANDEEP	
70 A3	S1511070		
Present Students Count			57



**Head of Department**

Dept. of Robotics & Automation Engg.





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Revision: 00

Date: 01/04/2021

**Expert Session Attendance**

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024

Class: SE A

Date: 13/09/2023

Course: C - Programming

(12:30 pm to 03:00 pm)

Topics Covered: if-else, switch, go-to  
while & do-while

S.N.	Roll No.	Name of Students	Signature
01 A1	S1511001	SHINDE SHUBHAM SHRIKANT	
02 A1	S1511002	KAPSE VIVEK BALU	
03 A1	S1511003	MAHADIK SWAPNIL NARAYAN	
04 A1	S1511004	GHADGE SHIVAM SANJAY	
05 A1	S1511005	ALEKAR PRAJWAL DAYANAND	
06 A1	S1511006	KOLI SAYALI JAGDISH	
07 A1	S1511007	MALWADE OM SACHIN	
08 A1	S1511008	SHETE SANIKA MANOJ	
09 A1	S1511009	NAGMODE DEVANSHU	
10 A1	S1511010	LOKHANDE ABHIJEET SANJAY	
11 A1	S1511011	VIRKAR SURAJ NAVNATH	
12 A1	S1511012	NANDE BHAKTI RAJENDRA	
13 A1	S1511013	THOPATE PURVA PANDURANG	
14 A1	S1511014	NIKAM SAHIL PANKAJ	
15 A1	S1511015	DHARAWANE PRACHI SANTOSH	
16 A1	S1511016	KHAPAKE KALYANI SANTOSH	
17 A1	S1511017	BHORKADE NIKHIL DATTU	
18 A1	S1511018	DANDWATE PRIYANKA	
19 A1	S1511019	TELI GIRIJA LAXMAN	
20 A1	S1511020	LATPATE DIPALI SAHEBRAO	
21 A1	S1511021	RATHOD VEDANT VINOD	
22 A1	S1511022	GHADGE SAKSHI PRALHAD	
23 A2	S1511023	MANURE PARSHURAM	
24 A2	S1511024	MORE RIYA RAJENDRA	
25 A2	S1511025	AVHAD GAURAV SHARAD	
26 A2	S1511026	PADMUKH KARAN RAMESH	
27 A2	S1511027	WAGHMARE PRASAD MOTIRAM	
28 A2	S1511028	SINGH ADITYA	
29 A2	S1511029	MARGALE SANTOSH KISAN	
30 A2	S1511030	RATHOD MAYANK UMESH	
31 A2	S1511031	BANTE CHAITANYA RAJESH	
32 A2	S1511032	GAWADE HARSH	
33 A2	S1511033	MAHAKALKAR ATHARV	
34 A2	S1511034	PATHAN SHAHANOOR VAZIR	
35 A2	S1511035	HIWALE ADITYA ASHOK	
36 A2	S1511036	SARDESAI VIDULA SUDHIR	
37 A2	S1511037	JAGTAP NEHA VIRSING	
38 A2	S1511038	KUDALE SEEYA MUKUND	





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Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance**

Department: Robotics & Automation Engineering

SEM: 1

Academic Year: 2023 -2024

Class: SE A

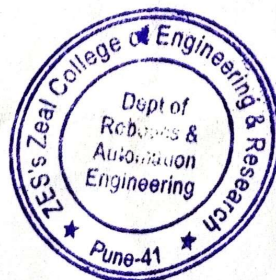
Date: 13/09/2023

Course: *C Programming*

12:30 to 03:00 pm

Topics Covered:

S.N.	Roll No.	Name of Students	Signature
39 A2	S1511039	GAWADE PRATIK EKNATH	<i>Pratik G</i>
40 A2	S1511040	SHINDE SWEETY YOGESH	
41 A2	S1511041	INGALE RAJ SANJAY	
42 A2	S1511042	CHAVAN PAYAL PANDU	<i>Payal</i>
43 A2	S1511043	KUMBHAR VEDANT PRAVIN	<i>Pra</i>
44 A2	S1511044	NIMBALKAR PRAJWAL	<i>Pra</i>
45 A3	S1511045	YEVALE YASH DILIP	
46 A3	S1511046	HIWARDE VEDANT RAMDAS	<i>Vedant</i>
47 A3	S1511047	NANAWARE ATHARVA SACHIN	<i>Atharva</i>
48 A3	S1511048	BHUYAN PRASANTH	<i>Prasanth</i>
49 A3	S1511049	GADHAVE PRATIKSHA	<i>Pratiksha</i>
50 A3	S1511050	CHOUDHARY NANDITA	<i>Nandita</i>
51 A3	S1511051	MORE SHRUTI SANJAY	<i>Shruti</i>
52 A3	S1511052	KIRATKAR RAJBODHI SURESH	
53 A3	S1511053	KULKARNI ADITYA AJIT	<i>Aditya</i>
54 A3	S1511054	PATIL YASH SANJAY	<i>Yash</i>
55 A3	S1511055	SAINDANE MANISH MANOJ	
56 A3	S1511056	PARKHI SARANG UDAY	
57 A3	S1511057	MORKHADE PRATIK MOHAN	<i>Pratik</i>
58 A3	S1511058	SALUNKE JAYESH SACHIN	<i>Jayesh</i>
59 A3	S1511059	POKALE HARSH PRAKASH	<i>Harsh</i>
60 A3	S1511060	PATIL TANMAY PRADEEP	<i>Tanmay</i>
61 A3	S1511061	SHEJUL PRERANA VIJAY	<i>Prerana</i>
62 A3	S1511062	SHINDE OMKAR MARUTI	<i>Omkar</i>
63 A3	S1511063	GADEKAR RAJESH GORAKSH	<i>Rajesh</i>
64 A3	S1511064	TAPKIRE SMIT RAMESHRAO	<i>Smit</i>
65 A3	S1511065	BIRADAR ASHWINI BHARAT	<i>Ashwini</i>
66 A3	S1511066	DHAWANE PRATIK NARAYAN	<i>Pratik</i>
67 A3	S1511067	PAYGHAN VISHAL GAJANAN	
68 A3	S1511068	BHALERAO KUMAR GANESH	
69 A3	S1511069	<b>MAHANOR</b> SHREYA SANDEEP	<i>Shreya</i>
70 A3	S1511070		
<b>Present Students Count</b>			<b>53</b>



*[Signature]*  
**Head of Department**  
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ZES's Zeal College of  
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Narhe, Pune-411041





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Revision: 00

Date: 01/04/2021

**Expert Session Attendance**

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024

Class: SE A

Date: 14/09/2023

Course: C- Programming

Time: 9.45 - 11.45 am

Topics Covered: Pointer, using & function

S.N.	Roll No.	Name of Students	Signature
01 A1	S1511001	SHINDE SHUBHAM SHRIKANT	
02 A1	S1511002	KAPSE VIVEK BALU	
03 A1	S1511003	MAHADIK SWAPNIL NARAYAN	
04 A1	S1511004	GHADGE SHIVAM SANJAY	
05 A1	S1511005	ALEKAR PRAJWAL DAYANAND	
06 A1	S1511006	KOLI SAYALI JAGDISH	
07 A1	S1511007	MALWADE OM SACHIN	
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09 A1	S1511009	NAGMODE DEVANSHU	
10 A1	S1511010	LOKHANDE ABHIJEET SANJAY	
11 A1	S1511011	VIRKAR SURAJ NAVNATH	
12 A1	S1511012	NANDE BHAKTI RAJENDRA	
13 A1	S1511013	THOPATE PURVA PANDURANG	
14 A1	S1511014	NIKAM SAHIL PANKAJ	
15 A1	S1511015	DHARAWANE PRACHI SANTOSH	
16 A1	S1511016	KHAPAKE KALYANI SANTOSH	
17 A1	S1511017	BHORKADE NIKHIL DATTU	
18 A1	S1511018	DANDWATE PRIYANKA	
19 A1	S1511019	TELI GIRIJA LAXMAN	
20 A1	S1511020	LATPATE DIPALI SAHEBRAO	
21 A1	S1511021	RATHOD VEDANT VINOD	
22 A1	S1511022	GHADGE SAKSHI PRALHAD	
23 A2	S1511023	MANURE PARSHURAM	
24 A2	S1511024	MORE RIYA RAJENDRA	
25 A2	S1511025	AVHAD GAURAV SHARAD	
26 A2	S1511026	PADMUKH KARAN RAMESH	
27 A2	S1511027	WAGHMARE PRASAD MOTIRAM	
28 A2	S1511028	SINGH ADITYA	
29 A2	S1511029	MARGALE SANTOSH KISAN	
30 A2	S1511030	RATHOD MAYANK UMESH	
31 A2	S1511031	BANTE CHAITANYA RAJESH	
32 A2	S1511032	GAWADE HARSH	
33 A2	S1511033	MAHAKALKAR ATHARV	
34 A2	S1511034	PATHAN SHAHANOOR VAZIR	
35 A2	S1511035	HIWALE ADITYA ASHOK	
36 A2	S1511036	SARDESAI VIDULA SUDHIR	
37 A2	S1511037	JAGTAP NEHA VIRSING	
38 A2	S1511038	KUDALE SEEYA MUKUND	





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Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024

Class: SE/A

Date: 14/09/2023

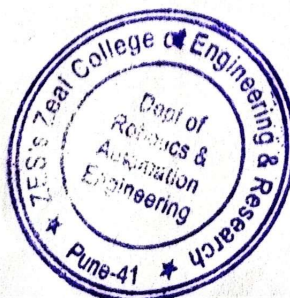
Course:

Time:

Topics Covered:

S.N.	Roll No.	Name of Students	Signature
39 A2	S1511039	GAWADE PRATIK EKNATH	
40 A2	S1511040	SHINDE SWEETY YOGESH	
41 A2	S1511041	INGALE RAJ SANJAY	
42 A2	S1511042	CHAVAN PAYAL PANDU	
43 A2	S1511043	KUMBHAR VEDANT PRAVIN	
44 A2	S1511044	NIMBALKAR PRAJWAL	
45 A3	S1511045	YEVALE YASH DILIP	
46 A3	S1511046	HIWARDE VEDANT RAMDAS	
47 A3	S1511047	NANAWARE ATHARVA SACHIN	
48 A3	S1511048	BHUYAN PRASANTH	
49 A3	S1511049	GADHAVE PRATIKSHA	
50 A3	S1511050	CHOUDHARY NANDITA	
51 A3	S1511051	MORE SHRUTI SANJAY	
52 A3	S1511052	KIRATKAR RAJBODHI SURESH	
53 A3	S1511053	KULKARNI ADITYA AJIT	
54 A3	S1511054	PATIL YASH SANJAY	
55 A3	S1511055	SAINDANE MANISH MANOJ	
56 A3	S1511056	PARKHI SARANG UDAY	
57 A3	S1511057	MORKHADE PRATIK MOHAN	
58 A3	S1511058	SALUNKE JAYESH SACHIN	
59 A3	S1511059	POKALE HARSH PRAKASH	
60 A3	S1511060	PATIL TANMAY PRADEEP	
61 A3	S1511061	SHEJUL PRERANA VIJAY	
62 A3	S1511062	SHINDE OMKAR MARUTI	
63 A3	S1511063	GADEKAR RAJESH GORAKSH	
64 A3	S1511064	TAPKIRE SMIT RAMESHRAO	
65 A3	S1511065	BIRADAR ASHWINI BHARAT	
66 A3	S1511066	DHAWANE PRATIK NARAYAN	
67 A3	S1511067	PAYGHAN VISHAL GAJANAN	
Present Students Count			55

Mahanot Shreya Sandeep



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Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
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**Expert Session Attendance**

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024

Class: SE A

Date: 14/09/2023

Course: C-Programming

12:30 pm to 3 pm

Topics Covered:

Structure, File Handling,,

S.N.	Roll No.	Name of Students	Signature
01 A1	S1511001	SHINDE SHUBHAM SHRIKANT	
02 A1	S1511002	KAPSE VIVEK BALU	
03 A1	S1511003	MAHADIK SWAPNIL NARAYAN	
04 A1	S1511004	GHADGE SHIVAM SANJAY	
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06 A1	S1511006	KOLI SAYALI JAGDISH	
07 A1	S1511007	MALWADE OM SACHIN	
08 A1	S1511008	SHETE SANIKA MANOJ	
09 A1	S1511009	NAGMODE DEVANSHU	
10 A1	S1511010	LOKHANDE ABHIJEET SANJAY	
11 A1	S1511011	VIRKAR SURAJ NAVNATH	
12 A1	S1511012	NANDE BHAKTI RAJENDRA	
13 A1	S1511013	THOPATE PURVA PANDURANG	
14 A1	S1511014	NIKAM SAHIL PANKAJ	
15 A1	S1511015	DHARAWANE PRACHI SANTOSH	
16 A1	S1511016	KHAPAKE KALYANI SANTOSH	
17 A1	S1511017	BHORKADE NIKHIL DATTU	
18 A1	S1511018	DANDWATE PRIYANKA	
19 A1	S1511019	TELI GIRIJA LAXMAN	
20 A1	S1511020	LATPATE DIPALI SAHEBRAO	
21 A1	S1511021	RATHOD VEDANT VINOD	
22 A1	S1511022	GHADGE SAKSHI PRALHAD	
23 A2	S1511023	MANURE PARSHURAM	
24 A2	S1511024	MORE RIYA RAJENDRA	
25 A2	S1511025	AVHAD GAURAV SHARAD	
26 A2	S1511026	PADMUKH KARAN RAMESH	
27 A2	S1511027	WAGHMARE PRASAD MOTIRAM	
28 A2	S1511028	SINGH ADITYA	
29 A2	S1511029	MARGALE SANTOSH KISAN	
30 A2	S1511030	RATHOD MAYANK UMESH	
31 A2	S1511031	BANTE CHAITANYA RAJESH	
32 A2	S1511032	GAWADE HARSH	
33 A2	S1511033	MAHAKALKAR ATHARV	
34 A2	S1511034	PATHAN SHAHANOOR VAZIR	
35 A2	S1511035	HIWALE ADITYA ASHOK	
36 A2	S1511036	SARDESAI VIDULA SUDHIR	
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38 A2	S1511038	KUDALE SEEYA MUKUND	





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Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024

Class: SE A

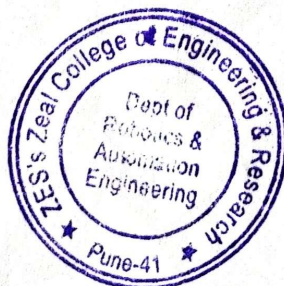
Date: 14/09/2023

Course:

12:30 pm to 3:00 pm

Topics Covered:

S.N.	Roll No.	Name of Students	Signature
39 A2	S1511039	GAWADE PRATIK EKNATH	
40 A2	S1511040	SHINDE SWEETY YOGESH	
41 A2	S1511041	INGALE RAJ SANJAY	<i>Shinde Sweety</i>
42 A2	S1511042	CHAVAN PAYAL PANDU	
43 A2	S1511043	KUMBHAR VEDANT PRAVIN	<i>P. Re</i>
44 A2	S1511044	NIMBALKAR PRAJWAL	<i>Prajuwal</i>
45 A3	S1511045	YEVALE YASH DILIP	<i>Yash</i>
46 A3	S1511046	HIWARDE VEDANT RAMDAS	<i>Hiwarde</i>
47 A3	S1511047	NANAWARE ATHARVA SACHIN	<i>Atharva</i>
48 A3	S1511048	BHUYAN PRASANTH	
49 A3	S1511049	GADHAVE PRATIKSHA	<i>Pratiksha</i>
50 A3	S1511050	CHOUDHARY NANDITA	
51 A3	S1511051	MORE SHRUTI SANJAY	
52 A3	S1511052	KIRATKAR RAJBODHI SURESH	
53 A3	S1511053	KULKARNI ADITYA AJIT	<i>Akulkarni</i>
54 A3	S1511054	PATIL YASH SANJAY	<i>Yash</i>
55 A3	S1511055	SAINDANE MANISH MANOJ	<i>Manish</i>
56 A3	S1511056	PARKHI SARANG UDAY	<i>Sarang</i>
57 A3	S1511057	MORKHADE PRATIK MOHAN	<i>Pratik</i>
58 A3	S1511058	SALUNKE JAYESH SACHIN	<i>Jayesh</i>
59 A3	S1511059	POKALE HARSH PRAKASH	<i>Pokale Harsh</i>
60 A3	S1511060	PATIL TANMAY PRADEEP	<i>Tanmay</i>
61 A3	S1511061	SHEJUL PRERANA VIJAY	<i>Prerana</i>
62 A3	S1511062	SHINDE OMKAR MARUTI	<i>Omkar</i>
63 A3	S1511063	GADEKAR RAJESH GORAKSH	<i>Rajesh</i>
64 A3	S1511064	TAPKIRE SMIT RAMESHRAO	<i>Smit</i>
65 A3	S1511065	BIRADAR ASHWINI BHARAT	<i>Ashwini</i>
66 A3	S1511066	DHAWANE PRATIK NARAYAN	<i>Pratik</i>
67 A3	S1511067	PAYGHAN VISHAL GAJANAN	<i>Vishal</i>
68 A3	S1511068	BHALERAO KUMAR GANESH	
69 A3	S1511069	MAHAR SHREYA SANDEEP	<i>Shreya</i>
70 A3	S1511070		
<b>Present Students Count</b>			<b>56</b>



*[Signature]*  
**Head of Department**  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041





**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R/21

Revision: 00

Date: 01/04/2021

**Permission for Industry Expert Session**

Department: Robotics & Automation Engineering    Semester: I    Academic Year: 2023-2024  
Class: SE    Div: A    Date: 08/09/2023

To,  
The Principal  
ZCOER, Pune

Subject: Permission for scheduling an Industry Expert Session

Respected Sir,


For enhancing the understanding of students about “Career Opportunities & Importance of CAD & CAE Techniques for Budding Engineers”, it planned to schedule an Industry Expert Session for the Program S.E. Robotics & Automation Engineering. The best suitable expert is identified for this session and the details are as given below.

Name of Expert:	Prof. (Dr.) H. G. Phakatkar
Designation:	Director,
Organization:	Prof. Phakatkar Engineering Academy, Pune.
Experience:	39 Yrs
Date:	09/09/2023
Time and Duration:	10: 00 am to 11:30 am

**Remuneration Details:**


Number of Hrs. of session	Remuneration/ Hr.	Total
1 Hr 30 Mins	-Nil-	-Nil-
		(In Words: -Nil-)

You are hereby requested to kindly permit the conduction of the above said session and sanction the remuneration of Rs. -Nil-

  
Prof. Y. R. Ingole  
Course Faculty

Remark by Principal:

*Allowed*  
*Ash*  
*08/09/2023*

  
Prof. Y. R. Ingole  
Head of Department



ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA



Record No.: ZCOER-ACAD/R/39

Revision: 00

Date: 01/04/2021

Notice

Department: Robotics & Automation Engg.

Sem: I

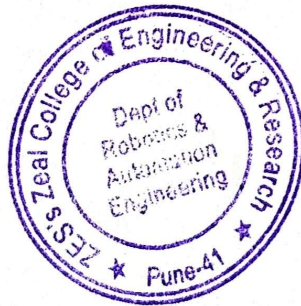
Academic Year: 2023-2024

Date: 08.09.2023

This is to inform that an Expert talk by Prof. (Dr.) H. G. Phakatkar , Director, Prof. Phakatkar Engineering Academy, Pune is scheduled on Topic "Career Opportunities & Importance of CAD & CAE Techniques for Budding Engineers" on Saturday 9th September, 2023 from 10:00 am to 11:30 am.

Location: B Building, 4th Floor , Seminar Hall.

Attendance is compulsory to all.



Prof. Yogesh R. Ingole  
Head of the Department  
**Head of Department**  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041





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ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
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**EXPERT LECTURE ONE PAGE REPORT**

Date: 09.09.2023

To,  
The H.O.D.  
R & A Engineering Department,  
ZCOER, Narhe.

**Subject:** Report of expert lecture conducted by Expert on topic “**Career Opportunities & Importance of CAD & CAE Techniques for Budding Engineers**” at ZCOER, Narhe.

Respected Sir,

With reference to above mentioned subject, I would like to inform you that, Prof. (Dr.) H. G. Phakatkar, Director, Prof. Phakatkar Engineering Academy, Pune has successfully conducted Expert session on 9<sup>th</sup> September 2023 for the second year student for the subject Strength of Materials on topic “**Career Opportunities & Importance of CAD & CAE Techniques for Budding Engineers**”. The students of S.E. were present for this session and the session was very interesting and interactive. Prof. (Dr.) H. G. Phakatkar explores the importance of CAD/CAE techniques used in various applications. The session were very useful from exam point of view for the student which gives the knowledge of fundamentals of Solid modeling & drafting to solve complex problems related to Industry.

**Topics discussed during lecture:**

Sr. No	Contents Covered	POs Mapping to the Contents	PSOs Mapping to the Contents
1	Outcome Based Education	PO1,PO2,PO3,PO4,PO8, PO9,PO10	PSO1, PSO2
2	Value addition courses	PO1,PO2,PO3,PO4	PSO1, PSO4,PSO3
3	Preparing Yourself for Career Opportunities, Placements for Mechanical/Robotics & Automation Engineering, Entrepreneurship, Higher Education	PO1, PO12	PSO1,PSO2,PSO3 ,PSO4
4	Importance of CAD/CAE Techniques	PO1,PO2,PO3,PO4,PO5, PO6,PO10,PO12	PSO1,PSO4 ,

Thanking You,

Yours Sincerely,  
  
Prof. P.P. Chakraborty

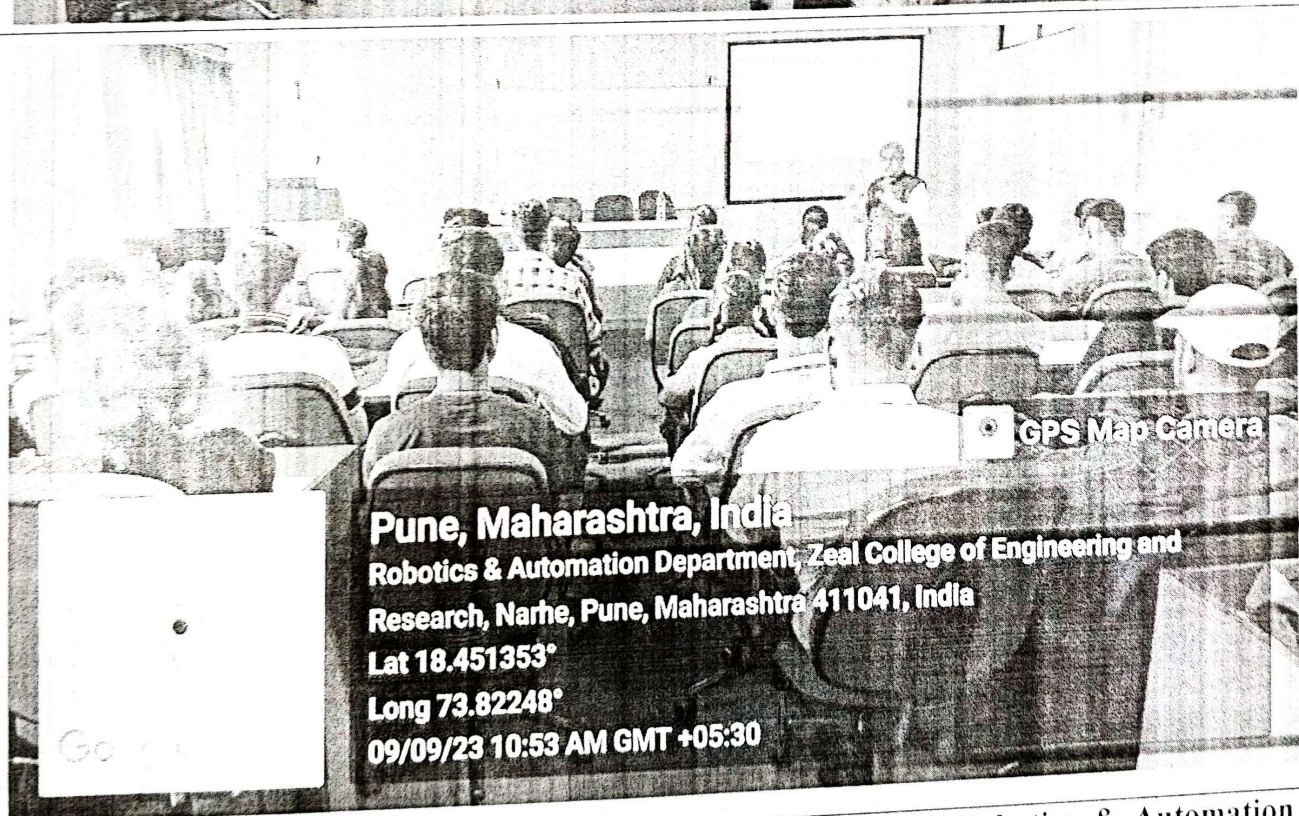
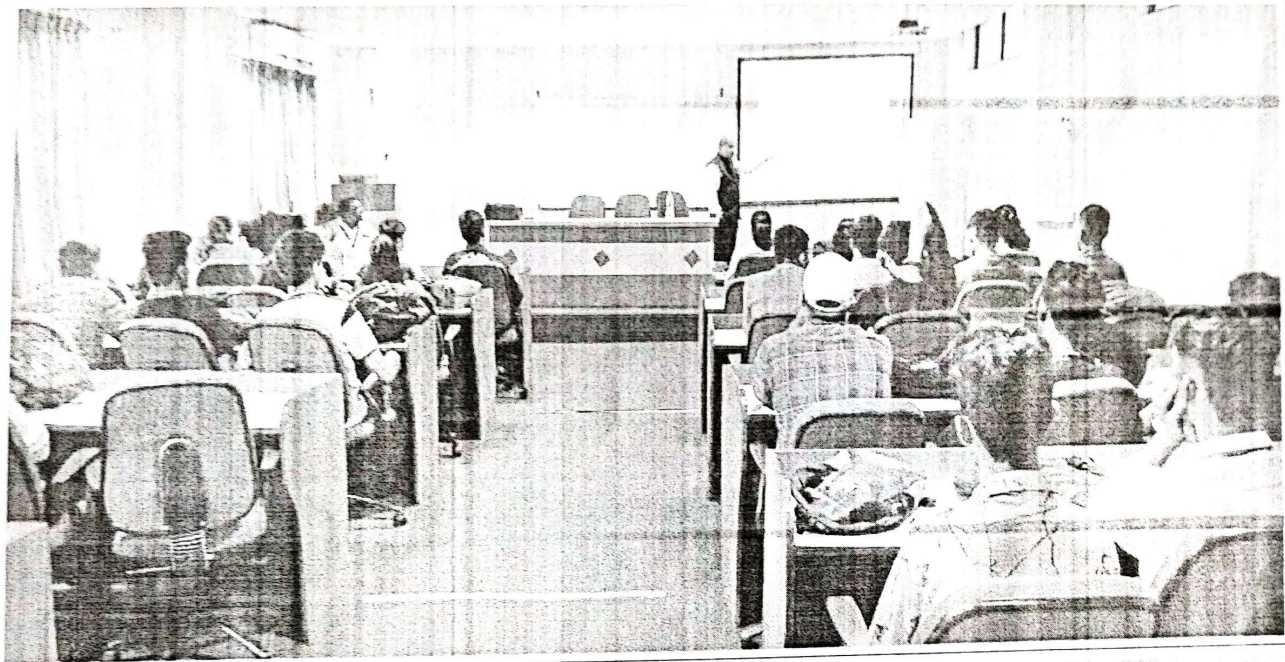




**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Photographs/Screen shots:



**Pune, Maharashtra, India**  
**Robotics & Automation Department, Zeal College of Engineering and**  
**Research, Narhe, Pune, Maharashtra 411041, India**  
**Lat 18.451353°**  
**Long 73.82248°**  
**09/09/23 10:53 AM GMT +05:30**

**Prof.(Dr.) H. G. Phakatkar , Expert delivering session for SE Robotics & Automation**  
**Students on 09.09.2023**





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NARHE | PUNE -41 | INDIA**

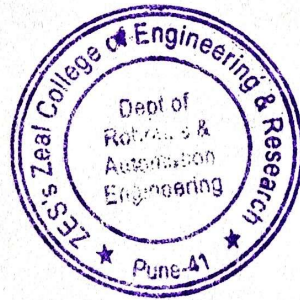


**EXPERT LECTURE CONDUCTION CERTIFICATE**

Date: 09/09/2023

To whom it may concern

Prof. (Dr.) H. G. Phakatkar, Director, Prof. Phakatkar Engineering Academy, Pune has conducted expert lecture for Second year engineering students on the topic **"Career Opportunities & Importance of CAD & CAE Techniques for Budding Engineers"** organized by Department of Robotics & Automation Engineering dated 9<sup>th</sup> September 2023 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe, Pune -41, India.



**Prof. Y. R. Ingole**  
Head of Department  
**Head of Department**  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041

Recd  
→   
9/9/23



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ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA



Letter of Thanks

Date: 09/09/2023

To,

Prof. (Dr.) H. G. Phakatkar,

Director,

Prof. Phakatkar Engineering Academy, Pune

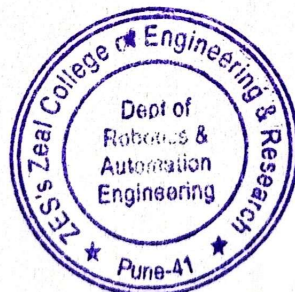
Subject: Letter of Thanks.

The Zeal Education Society's ZCOER would like to thank you for enlighten us on one of the emerging topic. Your talk on **"Career Opportunities & Importance of CAD & CAE Techniques for Budding Engineers"** was one of the new technologies studied by our students. It was an honor for Zeal College of Engineering and Research to have you as our resourceful eminent speaker.

We believe that the knowledge you have shared will help immensely in the development of the students and eventually translate into better future for them.

We know that your time is precious and we are grateful you shared some of it with us. We look forward to get more time from your side to arrange such seminars in future.

Again, thank you so much. We hope to see you soon again.



Prof. Y. R. Ingole  
Head of Department  
**Head of Department**  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041

Recd  
H. G. Phakatkar  
9/9/23





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**ZEAL COLLEGE OF ENGINEERING AND RESEARCH**  
**NARHE | PUNE -41 | INDIA**



Record No.: ACAD/R/21B

Revision: 00

Date: 01/04/2021

**Industry Expert/ Guest Faculty Session Feedback Analysis**

Department: Robotics & Automation

Academic Year: 2023-2024

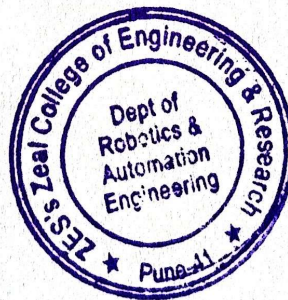
Semester: I

Date: 09.09.2023

Name of Expert/ Guest: Dr.H.G.Phakatkar

Sr. No.	Attribute	No. of responses	Marks	
			Obtained	%
1	How would you rate the content of the session?	20	99	99
2	How would you rate the knowledge of the guest for the session?		95	95
3	How would you rate the content delivery method of the guest for the session?		96	96
4	How would you rate the management of the session?		99	99
5	Do you think the content of the session added to your knowledge?		98	98

Feedback Coordinator



H.O.D.

**Head of Department**  
Dept. of Robotics & Automation En  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041





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ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance**

Department: Robotics & Automation Engineering      SEM: I      Academic Year: 2023 -2024

Class: SE A

Date: 09/09/2023

Course: *Strength of Material- Practical*  
Topics Covered:

S.N.	Roll No.	Name of Students	Signature
01 A1	S1511001	SHINDE SHUBHAM SHRIKANT	<i>Shinde</i>
02 A1	S1511002	KAPSE VIVEK BALU	
03 A1	S1511003	MAHADIK SWAPNIL NARAYAN	
04 A1	S1511004	GHADGE SHIVAM SANJAY	<i>GA</i>
05 A1	S1511005	ALEKAR PRAJWAL DAYANAND	<i>Prajwal</i>
06 A1	S1511006	KOLI SAYALI JAGDISH	
07 A1	S1511007	MALWADE OM SACHIN	<i>OM</i>
08 A1	S1511008	SHETE SANIKA MANOJ	<i>Sanika</i>
09 A1	S1511009	NAGMODE DEVANSHU	
10 A1	S1511010	LOKHANDE ABHIJEET SANJAY	
11 A1	S1511011	VIRKAR SURAJ NAVNATH	
12 A1	S1511012	NANDE BHAKTI RAJENDRA	
13 A1	S1511013	THOPATE PURVA PANDURANG	
14 A1	S1511014	NIKAM SAHIL PANKAJ	<i>S.P. Nikam</i>
15 A1	S1511015	DHARAWANE PRACHI SANTOSH	
16 A1	S1511016	KHAPAKE KALYANI SANTOSH	<i>K.K.</i>
17 A1	S1511017	BHORKADE NIKHIL DATTU	
18 A1	S1511018	DANDWATE PRIYANKA	
19 A1	S1511019	TELI GIRIJA LAXMAN	<i>Girija</i>
20 A1	S1511020	LATPATE DIPALI SAHEBRAO	
21 A1	S1511021	RATHOD VEDANT VINOD	<i>V.V.</i>
22 A1	S1511022	GHADGE SAKSHI PRALHAD	
23 A2	S1511023	MANURE PARSHURAM	
24 A2	S1511024	MORE RIYA RAJENDRA	
25 A2	S1511025	AVHAD GAURAV SHARAD	<i>Sharad</i>
26 A2	S1511026	PADMUKH KARAN RAMESH	<i>Karan</i>
27 A2	S1511027	WAGHMARE PRASAD MOTIRAM	
28 A2	S1511028	SINGH ADITYA	
29 A2	S1511029	MARGALE SANTOSH KISAN	
30 A2	S1511030	RATHOD MAYANK UMESH	
31 A2	S1511031	BANTE CHAITANYA RAJESH	
32 A2	S1511032	GAWADE HARSH	<i>Harsh</i>
33 A2	S1511033	MAHAKALKAR ATHARV	
34 A2	S1511034	PATHAN SHAHANOOR VAZIR	
35 A2	S1511035	HIWALE ADITYA ASHOK	
36 A2	S1511036	SARDESAI VIDULA SUDHIR	<i>Vidula</i>
37 A2	S1511037	JAGTAP NEHA VIRSING	
38 A2	S1511038	KUDALE SEEYA MUKUND	





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NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance**

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024

Class: SE A

Date: 09/09/2023

Course: *Strength of Material - Practical*

Topics Covered:

S.N.	Roll No.	Name of Students	Signature
39 A2	S1511039	GAWADE PRATIK EKNATH	
40 A2	S1511040	SHINDE SWEETY YOGESH	
41 A2	S1511041	INGALE RAJ SANJAY	
42 A2	S1511042	CHAVAN PAYAL PANDU	<i>Payal</i>
43 A2	S1511043	KUMBHAR VEDANT PRAVIN	<i>Prajwal</i>
44 A2	S1511044	NIMBALKAR PRAJWAL	<i>Prajwal</i>
45 A3	S1511045	YEVALE YASH DILIP	
46 A3	S1511046	HIWARDE VEDANT RAMDAS	<i>Vedant</i>
47 A3	S1511047	NANAWARE ATHARVA SACHIN	
48 A3	S1511048	BHUYAN PRASANTH	
49 A3	S1511049	GADHAVE PRATIKSHA	<i>Pratiksha</i>
50 A3	S1511050	CHOUDHARY NANDITA	
51 A3	S1511051	MORE SHRUTI SANJAY	<i>Shruti</i>
52 A3	S1511052	KIRATKAR RAJBODHI SURESH	
53 A3	S1511053	KULKARNI ADITYA AJIT	<i>Akulkarni</i>
54 A3	S1511054	PATIL YASH SANJAY	
55 A3	S1511055	SAINDANE MANISH MANOJ	
56 A3	S1511056	PARKHI SARANG UDAY	
57 A3	S1511057	MORKHADE PRATIK MOHAN	<i>Pratik</i>
58 A3	S1511058	SALUNKE JAYESH SACHIN	<i>Jayesh</i>
59 A3	S1511059	POKALE HARSH PRAKASH	<i>Harsh</i>
60 A3	S1511060	PATIL TANMAY PRADEEP	
61 A3	S1511061	SHEJUL PRERANA VIJAY	
62 A3	S1511062	SHINDE OMAR MARUTI	<i>Shinde</i>
63 A3	S1511063	GADEKAR RAJESH GORAKSH	
64 A3	S1511064	TAPKIRE SMIT RAMESHRAO	
65 A3	S1511065	BIRADAR ASHWINI BHARAT	<i>Ashwini</i>
66 A3	S1511066	DHAWANE PRATIK NARAYAN	<i>Pratik</i>
67 A3	S1511067	PAYGHAN VISHAL GAJANAN	
<b>Present Students Count</b>			<b>25</b>

*[Signature]*  
Head of Department



**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R/21

Revision: 00

Date: 01/04/2021

**Permission for Visiting Faculty**

**Department: Robotics & Automation  
Class: SE**

**Semester: I  
Div: A**

**Academic Year: 2023-2024  
Date: 31/08/2023**

To,  
**The Principal**  
ZCOER, Pune

Subject: Permission for scheduling an Expert Session

Respected Sir,

For enhancing the understanding of students about "**Programming Languages**", It planned to schedule an Expert Sessions on **C- Programming** for the Program SE. Robotics & Automation Engineering. The best suitable expert is identified for this session and the details are as given below.

<b>Name of Expert:</b>	<b>Mrs. Jagruti Vaidya</b>
<b>Designation:</b>	<b>Corporate trainer</b>
<b>Organization:</b>	<b>Free-lancer</b>
<b>Experience:</b>	<b>25 Yrs</b>
<b>Date:</b>	<b>31/08/2023 till the completion of syllabus (10 Week)</b>
<b>Time and Duration:</b>	<b>As per the Time table</b>

**Remuneration Details:**

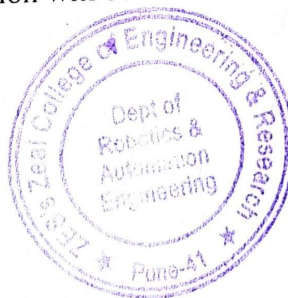
Number of Hrs. of session	Remuneration/ Hr.	Total
6 Hrs /Week	800/- per Hr	800 x No. of sessions (Hrs) Conducted
Total remuneration will be calculated as per the total sessions (Hr) Conducted		

You are hereby requested to kindly permit the conduction of the above said session and sanction the remuneration of Rs - Total remuneration will be calculated as per the total sessions (Hr) Conducted).

**Course Faculty**

**Remark by Principal:**

*Allowed & approved*  
*Autate*  
*31/08/2023*



**Prof. Y. R. Ingole**  
**Head of Department**  
**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041



**C-Programming Lab  
211507**

**Teaching Scheme**

Practical: 04 hours / week

**Credit Scheme**

Practical: 02

**Examination Scheme**

Term Work: 50 Marks

1. Syntax and structure of C-programming.
2. Data types, Operators and Expressions in C
3. Formatted and unformatted I/O in C with preprocessor directives
4. Programming knowledge using Decision Statements (if, if-else, if else if ladder, switch and GOTO)
5. Loop & nested loop Statements (for, while, do-while)
6. Programming with Pointer, String and Function call by reference.
7. Programming with Structure.
8. Creating data files and file handling in C.
9. Minimum 2 case studies of C-Programming related to Production Engineering

Jagruti Vaidya

Fortune Perfect, Kondhawa Br. Pune:411048.

E-mail: [Jagrutivaidya2007@gmail.com](mailto:Jagrutivaidya2007@gmail.com)

Mobile No: 9209494414

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## SUMMARY

- **15+ years** of professional experience in IT Educational Industry
- Retired from SEED Infotech Ltd as Sr. SME. Working in Python, ASP.NET, SQL, PL/SQL, MongoDB, PHP, ReactJS, Angular, HTML5, CSS3 and Bootstrap Training.
- In Aspiring Careers as Sr. Trainer and SME.
- Along with training I have passion for designing useful and appealing software is what drives me to pursue a career in Software Development. As part of assignments, involved in Requirement Analysis, development, Unit testing and Implementation. I had 19 Years' experience in Web Development, Configuration, and Maintenance & Support. Good experience of **interaction with the client** for **Requirement gathering** and **E2E deliveries**.
- Experience of working on **PHP, Python, ASP.NET, SQL, PL/SQL, MongoDB, HTML5, CSS3, Bootstrap, Angular, ReactJS**.

## PRIMARY TECHNICAL SKILLS

Adobe Suite:	Dreamweaver, Photoshop
Microsoft Office Suite:	Word, Excel, and PowerPoint.
Languages:	Python, PHP, ASP.NET, MySql, JavaScript, CSS2 & 3, HTML5.
Frame works:	Wordpress
Front-end Framework:	Bootstrap, Angular, ReactJS

## EDUCATION SUMMARY

- Passed MCM from NMU in 1999 and secured Higher Second Class.
- Passed B.Sc. from Pune University in 1987 and secured First Class.



## PROFESSIONAL EXPERIENCE DETAILS

**SEED Infotech Ltd.**

**Aug-2008 | Dec -2018**

Role : Web Developer

Description : Develop the Web Application

Responsibilities :

- Develop the web based application using PHP.
- Use the Bootstrap, HTML and CSS for Front-end

Key Achievements: Sr. Developer

**SEED Infotech Ltd.**

**Dec-2018 | March -2023**

Role : SME (Subject Matter Expert)

Description : Trainer (for Fresher & Corporate staff)

Responsibilities :

- Training for Fresher's as well as taking corporate batches.
- work as imparting training for staff and Trainer
- Develop Product and update course structure.
- Web page designing, Maintenance, Cross Browser checking
- UI creation for PHP and Dot net projects, Web application
- Worked on Joomla templates, WordPress
- Handling of projects independently
- Create enquiry forms using PHP and Bootstrap

Key Achievements: SEED Certified Trainer

**RPG Foundation (Zensar)**

**Feb 10, 2023 | Feb 24, 2023**

Role : Corporate Trainer

Description : Trainer (Cummins College, Nagpur)

Responsibilities : Online Python Training

Key Achievements: Zensar Certified Trainer

**Maharashtra State Skill University**

**May 10, 2023**

Role : examiner for practical.

Description : University Examiner for practical exam of the subject Responsive UI

Responsibilities : Practical Examiner

**RPG Foundation (Zensar)**

**Aug 16, 2021 | Sep 9, 2021**

Role : Corporate Trainer

Description : Trainer (Cummins College, Pune)

Responsibilities : Online Python Training

Key Achievements : Zensar Certified Trainer

**Personal Details:**

Date of Birth: 28<sup>th</sup> March 1965.

Nationality: Indian

Thanks and Regards,  
Jagruti Vaidya  
9209494414





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NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R/39

Revision: 00

Date: 01/04/2021

**Notice**

**Department: Robotics & Automation**

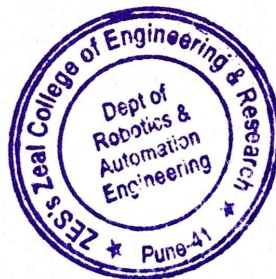
**Sem: I**

**Academic Year: 2023-2024**

**Date: 30.08.2023**

This is to inform that an Expert talk by **Mrs. Jagruti Vaidya, Corporate Trainer, Pune** is scheduled on Topic **"C-Programming"** on **Thursday 31<sup>st</sup> August, 2023** from **8:00 am to 10:00am.**

**Attendance is compulsory to all.**



**Prof. Y. R. Ingole  
Head of the Department  
Robotics & Automation**

**Head of Department  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041**



**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**

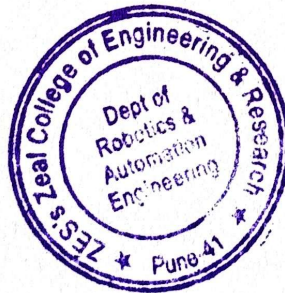


**EXPERT LECTURE CONDUCTION CERTIFICATE**

Date: 31/08/2023

To whom it may concern

**Mrs. Jagruti Vaidya, Corporate Trainer, Pune** has conducted expert lecture for Second Year Robotics & Automation Engineering students on the topic **"C-Programming"**, organized by Department of Robotics & Automation Engineering dated **31<sup>st</sup> August 2023** at **Zeal Education Society's, Zeal College of Engineering and Research, Narhe , Pune -41, India.**



**Prof. Y. R. Ingole  
Head of Department**

**Head of Department  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041**





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NARHE | PUNE -41 | INDIA

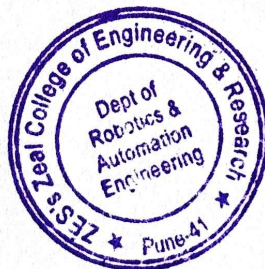


EXPERT LECTURE CONDUCTION CERTIFICATE

Date: 31/08/2023

To whom it may concern

Mrs. Jagruti Vaidya, Corporate Trainer, Pune has conducted expert lecture for Second Year Robotics & Automation Engineering students on the topic "**C-Programming**", organized by Department of Robotics & Automation Engineering dated 31<sup>st</sup> August 2023 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe , Pune -41, India.



Prof. Y. R. Ingole  
Head of Department

**Head of Department**  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041



**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



**Letter of Thanks**

Date: 31/08/2023

To,  
**Mrs. Jagruti Vaidya**  
Corporate Trainer,  
Pune.

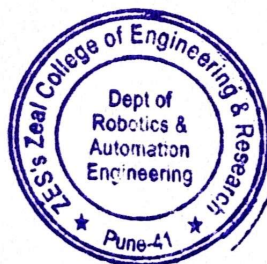
**Subject:** Letter of Thanks.

The Zeal Education Society's ZCOER would like to thank you for enlighten us on one of the emerging topic. Your talk on about about "**C-Programming**", was one of the new technologies studied by our students. It was an honor for Zeal College of Engineering and Research to have you as our resourceful eminent speaker.

We believe that the knowledge you have shared will help immensely in the development of the students and eventually translate into better future for them.

We know that your time is precious, and we are grateful you shared some of it with us. We look forward to getting more time from your side to arrange such seminars in future.

Again, thank you so much. We hope to see you soon again.



**Prof. Y. R. Ingole**  
Head of Department

**Head of Department**  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041





**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ACAD/R/21B

Revision: 00

Date: 01/04/2021

**Industry Expert/ Guest Faculty Session Feedback Analysis**

Department: Robotics & Automation

Academic Year: 2023-2024

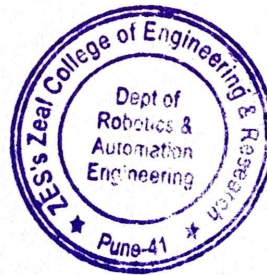
Semester: I

Date: 31.08.2023

Name of Expert/ Guest: Mrs. Jagruti Vaidya

Sr. No.	Attribute	No. of responses	Marks	
			Obtained	%
1	How would you rate the content of the session?	29	140	97
2	How would you rate the knowledge of the guest for the session?		139	96
3	How would you rate the content delivery method of the guest for the session?		135	93
4	How would you rate the management of the session?		139	96
5	Do you think the content of the session added to your knowledge?		130	90

Feedback Coordinator



H.O.D.

**Head of Department**  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041





**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance**

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024

Class: SE A

Date: 31/08/2023

Course: C - Programming

Time: 08:00 to 10:00 am

Topics Covered:

S.N.	Roll No.	Name of Students	Signature
01 A1	S1511001	SHINDE SHUBHAM SHRIKANT	<u>Shinde</u>
02 A1	S1511002	KAPSE VIVEK BALU	<u>Kapse</u>
03 A1	S1511003	MAHADIK SWAPNIL NARAYAN	<u>Swarnik</u>
04 A1	S1511004	GHADGE SHIVAM SANJAY	<u>Ghadge</u>
05 A1	S1511005	ALEKAR PRAJWAL DAYANAND	<u>Alekar</u>
06 A1	S1511006	KOLI SAYALI JAGDISH	<u>Sayali</u>
07 A1	S1511007	MALWADE OM SACHIN	<u>Malwa</u>
08 A1	S1511008	SHETE SANIKA MANOJ	<u>Shete</u>
09 A1	S1511009	NAGMODE DEVANSHU	<u>Nagmode</u>
10 A1	S1511010	LOKHANDE ABHIJEET SANJAY	<u>Lokhan</u>
11 A1	S1511011	VIRKAR SURAJ NAVNATH	<u>Virkar</u>
12 A1	S1511012	NANDE BHAKTI RAJENDRA	<u>Nande</u>
13 A1	S1511013	THOPATE PURVA PANDURANG	<u>Thopate</u>
14 A1	S1511014	NIKAM SAHIL PANKAJ	<u>Nikam</u>
15 A1	S1511015	DHARAWANE PRACHI SANTOSH	<u>Dharawane</u>
16 A1	S1511016	KHAPAKE KALYANI SANTOSH	<u>Khapake</u>
17 A1	S1511017	BHORKADE NIKHIL DATTU	<u>Bhorkade</u>
18 A1	S1511018	DANDWATE PRIYANKA	<u>Dandwate</u>
19 A1	S1511019	TELI GIRIJA LAXMAN	<u>Teli</u>
20 A1	S1511020	LATPATE DIPALI SAHEBRAO	<u>Latpate</u>
21 A1	S1511021	RATHOD VEDANT VINOD	<u>Rathod</u>
22 A1	S1511022	GHADGE SAKSHI PRALHAD	<u>Ghadge</u>
23 A2	S1511023	MANURE PARSHURAM	<u>Manure</u>
24 A2	S1511024	MORE RIYA RAJENDRA	<u>More</u>
25 A2	S1511025	AVHAD GAURAV SHARAD	<u>Avhad</u>
26 A2	S1511026	PADMUKH KARAN RAMESH	<u>Padmukh</u>
27 A2	S1511027	WAGHMARE PRASAD MOTIRAM	<u>Waghmare</u>
28 A2	S1511028	SINGH ADITYA	<u>Singh</u>
29 A2	S1511029	MARGALE SANTOSH KISAN	<u>Margale</u>
30 A2	S1511030	RATHOD MAYANK UMESH	<u>Rathod</u>
31 A2	S1511031	BANTE CHAITANYA RAJESH	<u>Bante</u>
32 A2	S1511032	GAWADE HARSH	<u>Gawade</u>
33 A2	S1511033	MAHAKALKAR ATHARV	<u>Mahakalkar</u>
34 A2	S1511034	PATHAN SHAHANOOR VAZIR	<u>Pathan</u>
35 A2	S1511035	HIWALE ADITYA ASHOK	<u>Hiwale</u>
36 A2	S1511036	SARDESAI VIDULA SUDHIR	<u>Sardesai</u>
37 A2	S1511037	JAGTAP NEHA VIRSING	<u>Jagtap</u>
38 A2	S1511038	KUDALE SEEYA MUKUND	<u>Kudale</u>





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ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance**

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024

Class: SE A

Date: 31/08/2023

Course:

Time: 08:00 to 10:00 am

Topics Covered:

S.N.	Roll No.	Name of Students	Signature
39 A2	S1511039	GAWADE PRATIK EKNATH	Pratik
40 A2	S1511040	SHINDE SWEETY YOGESH	
41 A2	S1511041	INGALE RAJ SANJAY	
42 A2	S1511042	CHAVAN PAYAL PANDU	
43 A2	S1511043	KUMBHAR VEDANT PRAVIN	
44 A2	S1511044	NIMBALKAR PRAJWAL	Prajwal
45 A3	S1511045	YEVALE YASH DILIP	
46 A3	S1511046	HIWARDE VEDANT RAMDAS	Vedant
47 A3	S1511047	NANAWARE ATHARVA SACHIN	Atharva
48 A3	S1511048	BHUYAN PRASANTH	
49 A3	S1511049	GADHAVE PRATIKSHA	Pratiksha
50 A3	S1511050	CHOUDHARY NANDITA	
51 A3	S1511051	MORE SHRUTI SANJAY	Shruti
52 A3	S1511052	KIRATKAR RAJBODHI SURESH	
53 A3	S1511053	KULKARNI ADITYA AJIT	Akulkarni
54 A3	S1511054	PATIL YASH SANJAY	
55 A3	S1511055	SAINDANE MANISH MANOJ	
56 A3	S1511056	PARKHI SARANG UDAY	
57 A3	S1511057	MORKHADE PRATIK MOHAN	
58 A3	S1511058	SALUNKE JAYESH SACHIN	
59 A3	S1511059	POKALE HARSH PRAKASH	
60 A3	S1511060	PATIL TANMAY PRADEEP	
61 A3	S1511061	SHEJUL PRERANA VIJAY	Prerana
62 A3	S1511062	SHINDE OMKAR MARUTI	
63 A3	S1511063	GADEKAR RAJESH GORAKSH	
64 A3	S1511064	TAPKIRE SMIT RAMESHRAO	Smit
65 A3	S1511065	BIRADAR ASHWINI BHARAT	
66 A3	S1511066	DHAWANE PRATIK NARAYAN	Pratik
67 A3	S1511067	PAYGHAN VISHAL GAJANAN	
<b>Present Students Count</b>			<b>37</b>

Head of Department





**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance**

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024

Class: SE A

Date: 01/09/2023

Course: C - Programming

Topics Covered:

S.N.	Roll No.	Name of Students	Signature
01 A1	S1511001	SHINDE SHUBHAM SHRIKANT	
02 A1	S1511002	KAPSE VIVEK BALU	
03 A1	S1511003	MAHADIK SWAPNIL NARAYAN	
04 A1	S1511004	GHADGE SHIVAM SANJAY	
05 A1	S1511005	ALEKAR PRAJWAL DAYANAND	
06 A1	S1511006	KOLI SAYALI JAGDISH	
07 A1	S1511007	MALWADE OM SACHIN	
08 A1	S1511008	SHEDE SANIKA MANOJ	
09 A1	S1511009	NAGMODE DEVANSHU	
10 A1	S1511010	LOKHANDE ABHIJEET SANJAY	
11 A1	S1511011	VIRKAR SURAJ NAVNATH	
12 A1	S1511012	NANDE BHAKTI RAJENDRA	
13 A1	S1511013	THOPATE PURVA PANDURANG	
14 A1	S1511014	NIKAM SAHIL PANKAJ	
15 A1	S1511015	DHARAWANE PRACHI SANTOSH	
16 A1	S1511016	KHAPAKE KALYANI SANTOSH	
17 A1	S1511017	BHORKADE NIKHIL DATTU	
18 A1	S1511018	DANDWATE PRIYANKA	
19 A1	S1511019	TELI GIRIJA LAXMAN	
20 A1	S1511020	LATPATE DIPALI SAHEBRAO	
21 A1	S1511021	RATHOD VEDANT VINOD	
22 A1	S1511022	GHADGE SAKSHI PRALHAD	
23 A2	S1511023	MANURE PARSHURAM	
24 A2	S1511024	MORE RIYA RAJENDRA	R. More
25 A2	S1511025	AVHAD GAURAV SHARAD	G. S. Avhad
26 A2	S1511026	PADMUKH KARAN RAMESH	K. Padmukh
27 A2	S1511027	WAGHMARE PRASAD MOTIRAM	
28 A2	S1511028	SINGH ADITYA	
29 A2	S1511029	MARGALE SANTOSH KISAN	
30 A2	S1511030	RATHOD MAYANK UMESH	
31 A2	S1511031	BANTE CHAITANYA RAJESH	
32 A2	S1511032	GAWADE HARSH	
33 A2	S1511033	MAHAKALKAR ATHARV	
34 A2	S1511034	PATHAN SHAHANOOZ VAZIR	
35 A2	S1511035	HIWALE ADITYA ASHOK	Aditya
36 A2	S1511036	SARDESAI VIDULA SUDHIR	Sardesai
37 A2	S1511037	JAGTAP NEHA VIRSING	
38 A2	S1511038	KUDALE SEEYA MUKUND	Kudale





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NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance**

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024

Class: SE A

Date: 01/09/2023

Course:

Topics Covered:

S.N.	Roll No.	Name of Students	Signature
39 A2	S1511039	GAWADE PRATIK EKNATH	<i>Pratik</i>
40 A2	S1511040	SHINDE SWEETY YOGESH	
41 A2	S1511041	INGALE RAJ SANJAY	
42 A2	S1511042	CHAVAN PAYAL PANDU	<i>Payal</i>
43 A2	S1511043	KUMBHAR VEDANT PRAVIN	<i>Vedant</i>
44 A2	S1511044	NIMBALKAR PRAJWAL	<i>Prajwal</i>
45 A3	S1511045	YEVALE YASH DILIP	<i>Yash</i>
46 A3	S1511046	HIWARDE VEDANT RAMDAS	<i>Vedant</i>
47 A3	S1511047	NANAWARE ATHARVA SACHIN	<i>Atharva</i>
48 A3	S1511048	BHUYAN PRASANTH	<i>Prasanth</i>
49 A3	S1511049	GADHAVE PRATIKSHA	<i>Pratiksha</i>
50 A3	S1511050	CHOUDHARY NANDITA	
51 A3	S1511051	MORE SHRUTI SANJAY	
52 A3	S1511052	KIRATKAR RAJBODHI SURESH	
53 A3	S1511053	KULKARNI ADITYA AJIT	<i>Aditya</i>
54 A3	S1511054	PATIL YASH SANJAY	<i>Yash</i>
55 A3	S1511055	SAINDANE MANISH MANOJ	<i>Manish</i>
56 A3	S1511056	PARKHI SARANG UDAY	
57 A3	S1511057	MORKHADE PRATIK MOHAN	
58 A3	S1511058	SALUNKE JAYESH SACHIN	
59 A3	S1511059	POKALE HARSH PRAKASH	
60 A3	S1511060	PATIL TANMAY PRADEEP	
61 A3	S1511061	SHEJUL PRERANA VIJAY	<i>Prerana</i>
62 A3	S1511062	SHINDE OMKAR MARUTI	<i>Omkar</i>
63 A3	S1511063	GADEKAR RAJESH GORAKSH	
64 A3	S1511064	TAPKIRE SMIT RAMESHRAO	<i>Smit</i>
65 A3	S1511065	BIRADAR ASHWINI BHARAT	<i>Ashwini</i>
66 A3	S1511066	DHAWANE PRATIK NARAYAN	
67 A3	S1511067	PAYGHAN VISHAL GAJANAN	<i>27</i>
<b>Present Students Count</b>			<b>27</b>

Head of Department





**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance**

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024

Class: SE A

Date: 7/9/2023

Course: R&A

Time: 9:45 to 11:45

Topics Covered: C Programming

S.N.	Roll No.	Name of Students	Signature
01 A1	S1511001	SHINDE SHUBHAM SHRIKANT	
02 A1	S1511002	KAPSE VIVEK BALU	V Kapse
03 A1	S1511003	MAHADIK SWAPNIL NARAYAN	
04 A1	S1511004	GHADGE SHIVAM SANJAY	
05 A1	S1511005	ALEKAR PRAJWAL DAYANAND	
06 A1	S1511006	KOLI SAYALI JAGDISH	Sayali
07 A1	S1511007	MALWADE OM SACHIN	
08 A1	S1511008	SHETE SANIKA MANOJ	
09 A1	S1511009	NAGMODE DEVANSHU	
10 A1	S1511010	LOKHANDE ABHIJEET SANJAY	
11 A1	S1511011	VIRKAR SURAJ NAVNATH	
12 A1	S1511012	NANDE BHAKTI RAJENDRA	
13 A1	S1511013	THOPATE PURVA PANDURANG	
14 A1	S1511014	NIKAM SAHIL PANKAJ	S. P. Nikam
15 A1	S1511015	DHARAWANE PRACHI SANTOSH	
16 A1	S1511016	KHAPAKE KALYANI SANTOSH	
17 A1	S1511017	BHORKADE NIKHIL DATTU	
18 A1	S1511018	DANDWATE PRIYANKA	
19 A1	S1511019	TELI GIRIJA LAXMAN	
20 A1	S1511020	LATPATE DIPALI SAHEBRAO	
21 A1	S1511021	RATHOD VEDANT VINOD	
22 A1	S1511022	GHADGE SAKSHI PRALHAD	
23 A2	S1511023	MANURE PARSHURAM	
24 A2	S1511024	MORE RIYA RAJENDRA	
25 A2	S1511025	AVHAD GAURAV SHARAD	
26 A2	S1511026	PADMUKH KARAN RAMESH	
27 A2	S1511027	WAGHMARE PRASAD MOTIRAM	
28 A2	S1511028	SINGH ADITYA	
29 A2	S1511029	MARGALE SANTOSH KISAN	
30 A2	S1511030	RATHOD MAYANK UMESH	
31 A2	S1511031	BANTE CHAITANYA RAJESH	
32 A2	S1511032	GAWADE HARSH	
33 A2	S1511033	MAHAKALKAR ATHARV	
34 A2	S1511034	PATHAN SHAHANOOR VAZIR	
35 A2	S1511035	HIWALE ADITYA ASHOK	
36 A2	S1511036	SARDESAI VIDULA SUDHIR	
37 A2	S1511037	JAGTAP NEHA VIRSING	
38 A2	S1511038	KUDALE SEEYA MUKUND	





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NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance**

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024

Class: SE A

Date:

Course:

Time:

Topics Covered:

S.N.	Roll No.	Name of Students	Signature
39 A2	S1511039	GAWADE PRATIK EKNATH	
40 A2	S1511040	SHINDE SWEETY YOGESH	
41 A2	S1511041	INGALE RAJ SANJAY	
42 A2	S1511042	CHAVAN PAYAL PANDU	
43 A2	S1511043	KUMBHAR VEDANT PRAVIN	
44 A2	S1511044	NIMBALKAR PRAJWAL	
45 A3	S1511045	YEVALE YASH DILIP	
46 A3	S1511046	HIWARDE VEDANT RAMDAS	
47 A3	S1511047	NANAWARE ATHARVA SACHIN	
48 A3	S1511048	BHUYAN PRASANTH	
49 A3	S1511049	GADHAVE PRATIKSHA	
50 A3	S1511050	CHOUDHARY NANDITA	
51 A3	S1511051	MORE SHRUTI SANJAY	
52 A3	S1511052	KIRATKAR RAJBODHI SURESH	
53 A3	S1511053	KULKARNI ADITYA AJIT	
54 A3	S1511054	PATIL YASH SANJAY	
55 A3	S1511055	SAINDANE MANISH MANOJ	
56 A3	S1511056	PARKHI SARANG UDAY	
57 A3	S1511057	MORKHADE PRATIK MOHAN	
58 A3	S1511058	SALUNKE JAYESH SACHIN	
59 A3	S1511059	POKALE HARSH PRAKASH	
60 A3	S1511060	PATIL TANMAY PRADEEP	
61 A3	S1511061	SHEJUL PRERANA VIJAY	
62 A3	S1511062	SHINDE OMKAR MARUTI	
63 A3	S1511063	GADEKAR RAJESH GORAKSH	
64 A3	S1511064	TAPKIRE SMIT RAMESHRAO	
65 A3	S1511065	BIRADAR ASHWINI BHARAT	
66 A3	S1511066	DHAWANE PRATIK NARAYAN	
67 A3	S1511067	PAYGHAN VISHAL GAJANAN	
<b>Present Students Count</b>			<b>14</b>

Head of Department





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ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R/21

Revision: 00

Date: 01/04/2021

**Permission for Industry Expert Session**

**Department: Robotics & Automation**

**Semester: I**

**Academic Year: 2023-2024**

**Class: SE**

**Div: A**

**Date: 28/09/2023**

To,  
**The Principal**  
ZCOER, Pune

Subject: Permission for scheduling an Expert Session

Respected Sir,

For enhancing the understanding of students about **"MATLAB & SIMULINK Onramp Certification Training and Hardware interfacing with MATLAB"**, It planned to schedule an Expert Session for the Program S.E. Robotics & Automation Engineering. The best suitable expert is identified for this session and the details are as given below.

<b>Name of Expert:</b>	<b>Mr. Ankit Kumar</b>
<b>Designation:</b>	<b>Application Engineer (MathWorks)</b>
<b>Organization:</b>	<b>DesignTech System Pvt. Ltd, Pune</b>
<b>Experience:</b>	<b>10 Yrs</b>
<b>Date:</b>	<b>29/09/2023</b>
<b>Time and Duration:</b>	<b>10: 00 am to 02:00 pm</b>

**Remuneration Details:**

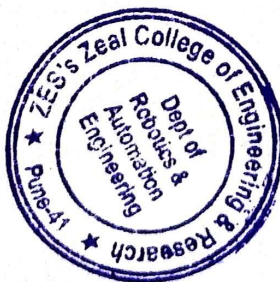
Number of Hrs. of session	Remuneration/ Hr.	Total
4 Hrs	Nil	Nil
(In Words: Nil)		

You are hereby requested to kindly permit the conduction of the above said session and sanction the remuneration of Rs. Nil

Prof. Sayali Dhumal  
Course Faculty

Remark by Principal:

*Allowed &  
approved  
AKC*



*[Signature]*  
Prof. Y. R. Ingole  
Head of Department

**Head of Department**  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041





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NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R/39

Revision: 00

Date: 01/04/2021

**Notice**

**Department: Robotics & Automation**

**Sem: I**


**Academic Year: 2023-2024**

**Date: 28.09.2023**

This is to inform that an Expert talk by **Mr. Ankit Kumar**, Application Engineer(MathWorks), DesignTech System Pvt,Ltd, Pune is scheduled on Topic **"MATLAB & SIMULINK Onramp Certification Training and Hardware interfacing with MATLAB"** on Friday 29<sup>th</sup> September 2023 from 10:00 am to 2:00pm.

**Attendance is compulsory to all.**



  
**Prof. Y. R. Ingole**  
**Head of the Department**  
**Robotics & Automation**

**Head of Department**  
**Dept. of Robotics & Automation Engg.**  
**ZES's Zeal College of**  
**Engineering & Research**  
**Narhe, Pune-411041**



**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND  
RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session One Page Report**

Date: 29.09.2023

To,  
The H.O.D.  
Robotics & Automation Engineering Department,  
ZCOER, Narhe.

**Subject:** Report of Expert session conducted on topic "MATLAB Onramp Training", at ZCOER, Narhe.

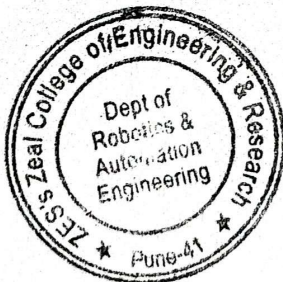
Respected Sir,

With reference to above mentioned subject, I would like to inform you that **Mr. Ankit Kumar**, Application Engineer, Mathworks, DesignTech System Pvt. Ltd., Pune has successfully conducted a hands-on session for the Second Year student on the topic "MATLAB Onramp Certification Training". Students of S.E. were present for this session and the session was very interesting and interactive, **Mr. Ankit Kumar** conducted hands on session on MATLAB Onramp.

**Topics discussed during lecture:**

Sr. No	Contents Covered	POs Mapping to the Contents
1	The Session was planned for students to have Hands-on session for MATLAB Onramp. Mr. Ankit Kumar shared valuable information about MATLAB Onramp and demonstrated the same with many applications. Students have completed the certification for MATLAB Onramp online course.	PO1, PO2, PO3, PO4, PO5, PO7, PO9, PO10, PO11, PO12, PSO1, PSO2, PSO3

Thanking You,



Yours Sincerely,

Prof. Sayali S. Dhumal





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NARHE | PUNE -41 | INDIA**

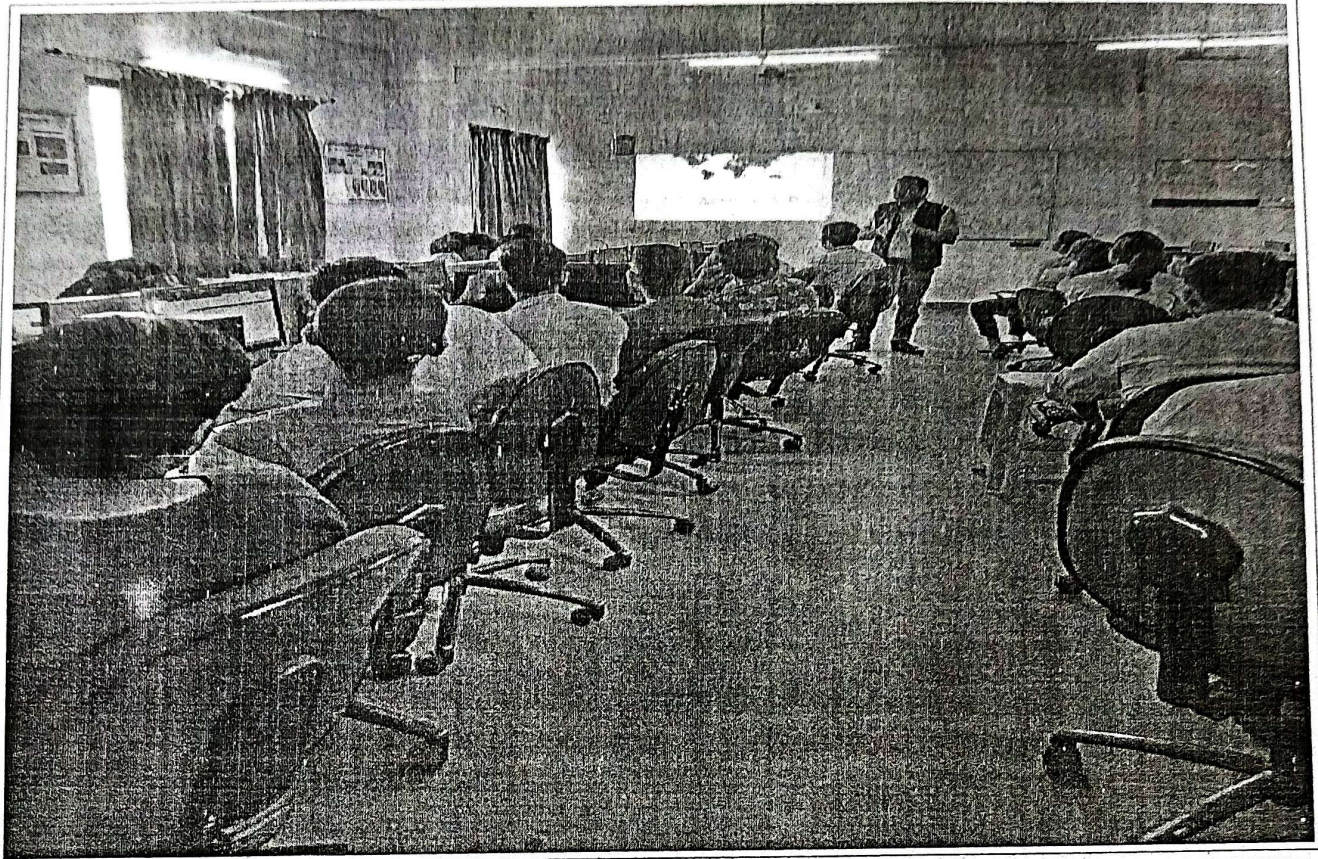


Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Photographs/Screen shots:



Expert speaker Mr. Ankit Kumar conducted hands on session on MATLAB Onramp SE students dated 29.09.2023.





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DEPARTMENT OF ROBOTICS & AUTOMATION

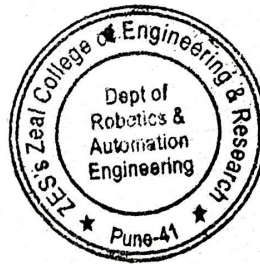



HANDS-ON SESSION CONDUCTION CERTIFICATE

Date: 29/09/2023


To whom it may concern

Mr. Ankit Kumar, Application Engineer (MathWorks), DesignTech System Pvt. Ltd., Kothrud, Pune -411038 has conducted hands-on session for Second Year Robotics & Automation Engineering students on the topic "MATLAB & SIMULINK Onramp Certification Training and Hardware interfacing with MATLAB" under MATLAB Student Chapter organized by Department of Robotics & Automation Engineering dated 29<sup>th</sup> September 2023 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe, Pune -41, India.



  
Prof. Y. R. Ingole

Head of Department  
Head of Department  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041

  
29.09.2023  
Received





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ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA  
DEPARTMENT OF ROBOTICS & AUTOMATION**



**Letter of Thanks**

Date: 29/09/2023

To,

Mr. Ankit Kumar,  
Application Engineer (MathWorks),  
DesignTech System Pvt. Ltd.,  
Kothrud  
Pune -411038

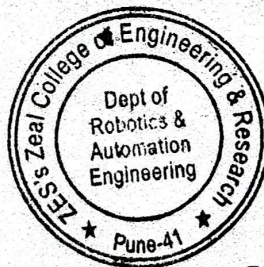
Subject: Letter of Thanks.

The Zeal Education Society's ZCOER would like to thank you for enlighten us on one of the emerging topic. Your talk on about "MATLAB & SIMULINK Onramp Certification Training and Hardware interfacing with MATLAB under MATLAB Student Chapter" was one of the new technologies studied by our students. It was an honor for Zeal College of Engineering and Research to have you as our resourceful eminent speaker.

We believe that the knowledge you have shared will help immensely in the development of the student and eventually translate into better future for them.

We know that your time is precious, and we are grateful you shared some of it with us. We look forward to getting more time from your side to arrange such seminars in future.

Again, thank you so much. We hope to see you soon again.



Prof. Y. R. Ingole

**Head of Department**  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041

Received  
A  
29.09.2023



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**NARHE | PUNE -41 | INDIA**



Record No.: ACAD/R/21B

Revision: 00

Date: 01/04/2021

**Industry Expert/ Guest Faculty Session Feedback Analysis**

Department: Robotics & Automation

Academic Year: 2023-2024

Semester: I

Date: 29.09.2023

Name of Expert/ Guest: Mr. Ankit Kumar

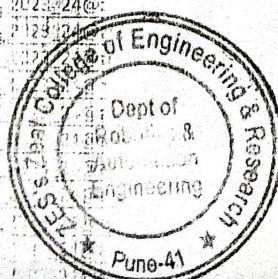
Sr. No.	Attribute	No. of responses	Marks	
			Obtained	%
1	How would you rate the content of the session?	44	184	84
2	How would you rate the knowledge of the guest for the session?		185	84
3	How would you rate the content delivery method of the guest for the session?		185	84
4	How would you rate the management of the session?		176	80
5	Do you think the content of the session added to your knowledge?		204	93

 Feedback Coordinator

  
H.O.D.



Roll No.	Name	Email Address [Required]	Password	Sign
S1511001	SHINDE SHUBHAM SHRIKANT	ZCOERRA_S1511001_2023_24@zealeducation.com	zeal@1234	
S1511002	KAPSE VIVEK BALU	ZCOERRA_S1511002_2023_24@zealeducation.com	zeal@1234	
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Head of Department  
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NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance**

Department: Robotics & Automation Engineering SEM: I Academic Year: 2023 -2024

Class: SE A

Date: 29.09.2023

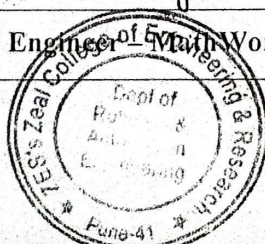
Course: MATLAB & Simulink Onramp Certification Training under MATLAB Student Chapter in association with MATHWORKS.

Topics Covered: MATLAB & Simulink Onramp

Duration: 4 Hrs (10 to 02:00 pm)

S.N.	Roll No.	Name of Students	Signature
01	S1511049	Pratiksha Nandasaheb Gadhawe	
02	S1511042	Payal Pongu Chavan	
03	S1511053	Aditya Ajit Kulkarni	
04	S1511031	Chaitanya Bante	
05	S1511014	Sahil Pankaj Nikam	
06	S1511003	Swapnil Narayan Mahadik	
07	S1511017	Nikhil Dattu Bhorkade	
08	S1511066	Pratik Narayan Dhawane	
09	S1511039	Pratik Eknath Gawade	
10	S1511060	Tanmay Pradeep Patil	
11	S1511024	Riya Rajendra More	
12	S1511012	Bhakti Rajendra Nande.	
13	S1511018	Priyanka Prakash Pandwate	
14	S1511037	Neha Vissing Jagtap	
15	S1511047	Nanaware Atharva Sachin	
16	S1511040	Sweety Yogesh Shinde	
17	S1511015	Dhawane Prachi Santosh	
18	S1511028	Amita Singh	

Trainer :Mr. Ankit Kumar ,Application Engineer of Math Works, DesignTech Systems Pvt. Ltd.



**Head of Department**  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
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NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

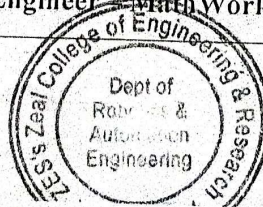
Date: 01/04/2021

**Expert Session Attendance**

Department: Robotics & Automation Engineering SEM: I Academic Year: 2023 -2024  
Class: SE A Date: 29.09.2023  
Course: MATLAB & Simulink Onramp Certification Training under MATLAB Student  
Chapter in association with MATHWORKS.  
Topics Covered: MATLAB & Simulink Onramp Duration: 4 Hrs (10 to 02:00 pm)

S.N.	Roll No.	Name of Students	Signature
19	S1511043	Vedant Pravin Kumbhar	
20	S1511062	Shinde omkar Manji	
21	S1511046	Vedant Ramdas Hiwarde	
22	S1511058	Jayesh Sachin Salunke	
23	S1511011	Vikar Suraj Narnath	
24	S1511005	Praywal Dnyanand Alekar	
25	S1511036	Vidula Sudhir Sardesai	
26	S1511001	Shubham Shikant Shinde	
27	S1511016	Kalyani Santosh Khapale	
28	S1511008	Sanika Manoj Shete	
29			
30			
31			
32			
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35			
36			

Trainer : Mr. Ankit Kumar , Application Engineer - MathWorks, DesignTech Systems Pvt. Ltd.



**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
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Record No.: ZCOER-ACAD/R/21

Revision: 00

Date: 01/04/2021

**Permission for Industry Expert Session**

**Department: Robotics & Automation**

**Semester: I**

**Academic Year: 2023-2024**

**Class: SE**

**Div: A**

**Date: 28/09/2023**

To,  
**The Principal**  
ZCOER, Pune

Subject: Permission for scheduling an Expert Session

Respected Sir,

For enhancing the understanding of students about **"MATLAB & SIMULINK Onramp Certification Training and Hardware interfacing with MATLAB"**, It planned to schedule an Expert Session for the Program S.E. Robotics & Automation Engineering. The best suitable expert is identified for this session and the details are as given below.

<b>Name of Expert:</b>	<b>Mr. Ankit Kumar</b>
<b>Designation:</b>	<b>Application Engineer (MathWorks)</b>
<b>Organization:</b>	<b>DesignTech System Pvt. Ltd, Pune</b>
<b>Experience:</b>	<b>10 Yrs</b>
<b>Date:</b>	<b>29/09/2023</b>
<b>Time and Duration:</b>	<b>10: 00 am to 02:00 pm</b>

**Remuneration Details:**

Number of Hrs. of session	Remuneration/ Hr.	Total
4 Hrs	Nil	Nil
(In Words: Nil)		

You are hereby requested to kindly permit the conduction of the above said session and sanction the remuneration of Rs. Nil

Prof. Sayali Dhumal  
Course Faculty

Remark by Principal:

*Allowed &  
approved  
AKC*



Prof. Y. R. Ingole  
Head of Department

**Head of Department**  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041





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Record No.: ZCOER-ACAD/R/21

Revision: 00

Date: 01/04/2021

**Permission for Guest Expert Session**

**Department: Robotics & Automation**

**Semester: I**

**Academic Year: 2023-2024**

**Class: BE**

**Date: 19/10/2023**

To,  
**The Principal**  
ZCOER, Pune.

Subject: Permission for scheduling a Hands-on Session.

Respected Sir,

The Robotics & Automation department wants to organize a Hands-on Session on **Industrial Internet of Things (IIOT)** for BE Students. It is very necessary for BE students to understand the importance and use of the Industrial Internet of Things (IIOT) in future applications as it is going to impact their future plan regarding careers in AI. The best suitable expert is identified for this session and the details are as given below. So please give permission to conduct this expert industry session.

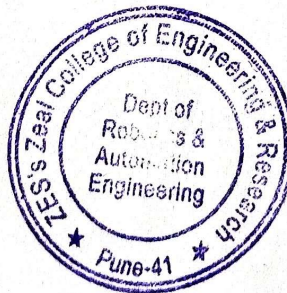
<b>Name of Expert:</b>	<b>Mr. S.R. Badiger</b>
<b>Designation:</b>	<b>Asst. Prof.</b>
<b>Organization:</b>	<b>TSSM'S BSCOER NARHE</b>
<b>Experience:</b>	<b>12+</b>
<b>Date:</b>	<b>21/10/2023</b>
<b>Time and Duration:</b>	<b>6 Hrs ( 8:00 to 12:00 pm) &amp; 01: 00 to 03:00 pm</b>

**Remuneration Details:**

Number of Hrs. of session	Remuneration/ Hr.	Total
6 Hrs	1000/-	6000/-
(In Words: Six Thousand Only)		

You are hereby requested to kindly permit the conduction of the above said session and sanction the remuneration of Rs. 6000/-



*[Signature]*  
Prof. Sayali Dhumal  
Course Faculty



*[Signature]*  
Prof. Y. R. Ingole  
**Head of Department**  
**Head of Department**  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041

**Remark by Principal**

*Allowed & approved*  
*[Signature]*  
*20/10/23*

	<b>ZEAL EDUCATION SOCIETY'S</b> <b>ZEAL COLLEGE OF ENGINEERING AND</b> <b>RESEARCH</b> <b>NARHE   PUNE -41   INDIA</b>	
Record No.: ZCOER-ACAD/R/39	Revision: 00	Date: 01/04/2021

<b>Notice</b>
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**Department: Robotics & Automation**

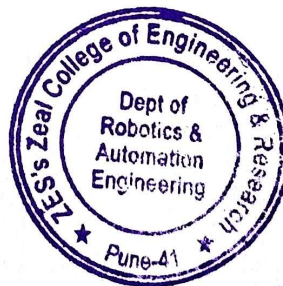
**Sem: I**

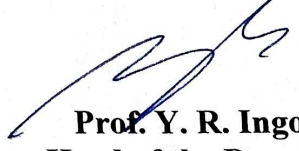
**Academic Year: 2023-2024**

**Date: 21.10.2023**

This is to inform that an Expert talk by **Mr. S.R. Badiger, Asst. Prof., TSSM'S BSCOER Narhe, Pune** is scheduled on Topic **"Internet of Things (IOT)"** on **Saturday, 21<sup>st</sup> October, 2023** from 08:00 am to 03:30 pm.

**Attendance is compulsory to all.**



  
**Prof. Y. R. Ingole**  
**Head of the Department**  
**Robotics & Automation**  
**Head of Department**  
**Dept. of Robotics & Automation Eng**  
**ZES's Zeal College of**  
**Engineering & Research**  
**Narhe, Pune-411041**





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Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session One Page Report**

Date: 21.10.2023

To,  
The H.O.D.  
Robotics & Automation Engineering Department,  
ZCOER, Narhe.

**Subject:** Report of Hands-on session conducted on topic "**Internet of Things (IOT)**", at ZCOER, Narhe.

Respected Sir,

With reference to above mentioned subject, I would like to inform you that **Mr. S.R. Badiger, Asst. Prof., TSSM'S BSCOER Narhe, Pune** has successfully conducted a hands-on session for the SE, TE, BE student on the topic "**Internet of Things (IOT)**". Students of SE, TE, BE were present for this session and the session was very interesting and interactive, **Mr. S.R. Badiger** conducted hands on session on using sensors, motors along with Aurdino UNO.

**Topics discussed during lecture:**

Sr. No	Contents Covered	POs Mapping to the Contents
1	The Session was planned for students to have Hands-on session for Internet of Things (IOT). Mr. S.R. Badiger shared valuable information about Internet of Things (IOT) and demonstrated the same with many applications. The session covered installation of Aurdino IDE, interfacing, communication, introduction to sensors, ultrasonic sensor, LED feedback, Servo motors, Temperature sensor DH11, Radar system for various applications like home automation, security system, etc.	PO1, PO2, PO3, PO4, PO5, PO7, PO9, PO10, PO11, PO12, PSO1, PSO2, PSO3

Thanking You,



Yours Sincerely  
Prof. Sayali S. Dhupal





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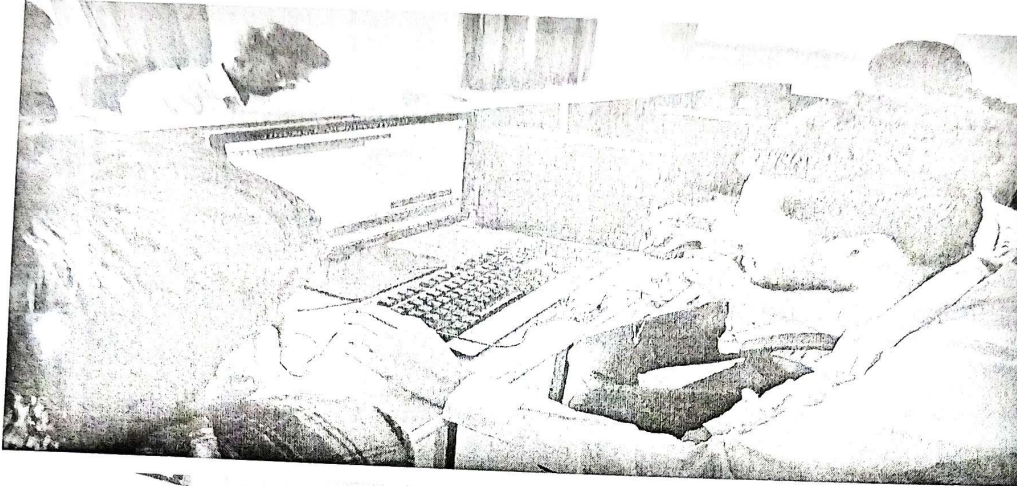


Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Photographs/Screen shots:







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Record No.: ZCOER-ACAD/R

Revision: 00

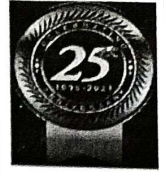
Date:01/04/2021







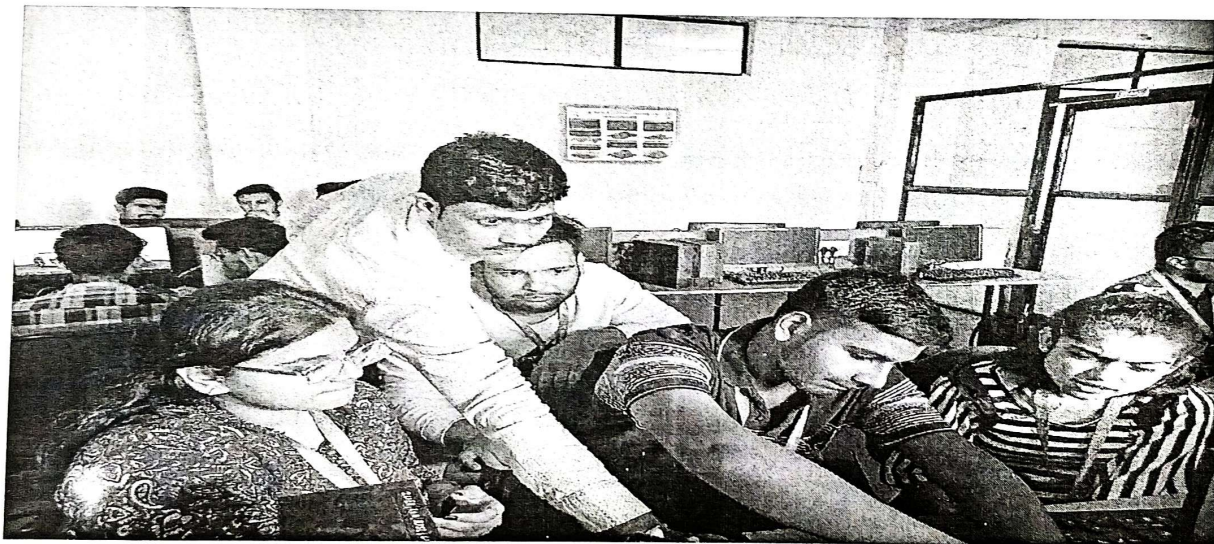
ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND  
RESEARCH  
NARHE | PUNE -41 | INDIA



Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021



Expert speaker Mr. S.R. Badiger conducted hands on session on Internet of Things (IOT) for BE, TE, SE students dated 21.10.2023.





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DEPARTMENT OF ROBOTICS & AUTOMATION**

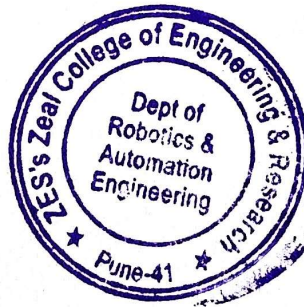


**HANDS-ON SESSION CONDUCTION CERTIFICATE**

Date: 21/10/2023

To whom it may concern

**Mr. S.R. Badiger, Asst. Prof., TSSM'S BSCOER Narhe, Pune -411041** has conducted hands-on session for SE, TE, BE students of Robotics & Automation Engineering, on the topic **"Internet of Things (IOT)** organized by Department of Robotics & Automation Engineering dated **21<sup>st</sup> October 2023** at **Zeal Education Society's, Zeal College of Engineering and Research, Narhe, Pune -41, India.**



**Prof. Y. R. Ingole  
Head of Department**

**Head of Department  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041**



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NARHE | PUNE -41 | INDIA  
DEPARTMENT OF ROBOTICS & AUTOMATION**



**Letter of Thanks**

Date: 29/10/2023

To,

**Mr. S.R. Badiger,  
Asst. Prof., TSSM'S BSCOER Narhe,  
Pune -411038**

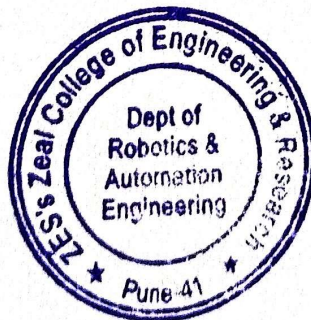
**Subject:** Letter of Thanks.

The Zeal Education Society's ZCOER would like to thank you for enlighten us on one of the emerging topic. Your talk on about **"Internet of Things (IOT)"** was one of the new technologies studied by our students. It was an honor for Zeal College of Engineering and Research to have you as our resourceful eminent speaker.

We believe that the knowledge you have shared will help immensely in the development of the student and eventually translate into better future for them.

We know that your time is precious, and we are grateful you shared some of it with us. We look forward to getting more time from your side to arrange such seminars in future.

Again, thank you so much. We hope to see you soon again.



**Prof. Y. R. Ingole**  
**Head of Department**  
**Head of Department**  
**Dept. of Robotics & Automation Engg.**  
**ZES's Zeal College of**  
**Engineering & Research**  
**Narhe, Pune-411041**





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**NARHE | PUNE -41 | INDIA**



Record No.: ACAD/R/21B

Revision: 00

Date: 01/04/2021

**Industry Expert/ Guest Faculty Session Feedback Analysis**

Department: Robotics & Automation

Academic Year: 2023-2024

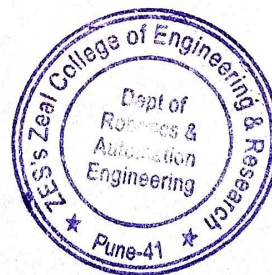
Semester: I


Date: 21.10.2023

Name of Expert/ Guest: Prof. Sadashiv R. Badiger

Sr. No.	Attribute	No. of responses	Marks	
			Obtained	%
1	How would you rate the content of the session?	42	190	90
2	How would you rate the knowledge of the guest for the session?		192	91
3	How would you rate the content delivery method of the guest for the session?		181	86
4	How would you rate the management of the session?		178	85
5	Do you think the content of the session added to your knowledge?		202	96

  
Feedback Coordinator



  
H.O.D.  
**Head of Department**  
Dept. of Robotics & Automation Engg.  
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Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Hands-On Session Attendance Sheet**

Department: Robotics & Automation Engineering SEM: I Academic Year: 2023-2024

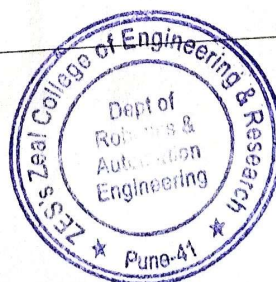
Class: **SE**

Date: **21/10/2023**

Course: **Internet of Things (IoT)**

Topics Covered: **Installation of Arduino, interfacing, communication & D/A sensors.**

S.N.	Roll No.	Name of Students	Sign
01	S1511033	Atharv D. Mahapatkar	
02	S1511042	Poyel P. Chavan	
03	S1511002	Vivek B. Kaple	
04	S1511062	Omkar Manoj Shinde.	
05	S1511008	Sanika Manoj shete	
06	S1511018	Priyanka Prakash Dandwate	
07	S1511049	Pratishtha N. Gadhave	
08	S1511013	Purva Pandurang Thopate.	
09	S1511036	Nidula Sardesai	
10	S1511047	Atharva Nanaware	
11	S1511046	Vedant Hiwarde	
12	S1511039	Pratik Eknath Gawade	
13	S1511066	Pratik Narayan Phawane	
14	S1511044	Pravesh Shrikant Nimballal.	
15	S1511058	Jayesh Salunke	
16	S1511008	Pravesh Dnyanesh Alekar	
17	S1511037	Nuha Jagtap	
18	S1511012	Bhakti Rajendra Nande.	
19			
20			



Head of Department  
 Dept. of Robotics & Automation Engg.  
 ZEAL Zeal College of  
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Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Hands-On Session Attendance Sheet**

Department: Robotics & Automation Engineering SEM: I Academic Year: 2023-2024

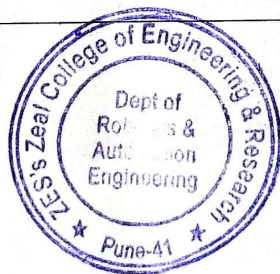
Class: TE

Date: 21/10/2023

Course: Internet of Things (IoT)

Topics Covered: Installation of Arduino, interfacing, communication with diff. sensors.

S.N.	Roll No.	Name of Students	Sign
01	62	Rushikesh M. Shinde	<i>Shinde</i>
02	30	Atharva S. Kale	<i>Atharva</i>
03	68	Koushna V. Tathe	<i>Koushna</i>
04	65	Aryan R. Sutar	<i>Aryan</i>
05	32	Divya Kathare	<i>Divya</i>
06	03	Ujjwal Bhagat	<i>Ujjwal</i>
07	41	Sweeter Mohite	<i>Sweeter</i>
08	36	Esa Loni	<i>Esa Loni</i>
09			
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20			



*[Signature]*  
**Head of Department**  
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Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Hands-On Session Attendance Sheet**

Department: Robotics & Automation Engineering SEM: I Academic Year: 2023-2024

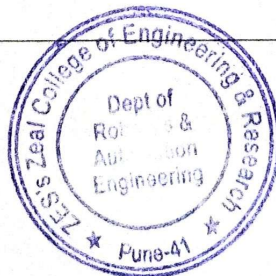
Class: **BE**

Date: **21/10/2023**

Course: **Internet of Things (IOT)**

Topics Covered: **Installation of Arduino, interfacing, communication with different sensors.**

S.N.	Roll No.	Name of Students	Sign
01	24	JAGTAP SIDDHESH PRAVIN	
02	18	Achal Rajesh Deshmukh	
03	28	Pratham. Gorinath Jagtap	
04	26	Kalambe Ninad Milind	
05	07	Rutvik Mahendra Bute	
06	33	Abhishek Y. Malwadkar	
07	44	Shridatta Madhukar Devakar	
08	41	Patil Bhavika Tarunkumar	
09	42	Patil Yash Prabhakar	
10	35	Mohar Prajwal Shumrao	
11	43	Pawar. Vrushab. Vishnu	
12	30	Kute Chaitanya Vittal	
13	46	Rudale Rushikesh Namdev	
14	69	Waman Yash Shankar	
15	66	Tuskarat Adish Suryakant	
16	02	Sakshi Laxman Bagade	
17			
18			
19			
20			



**Head of Department**  
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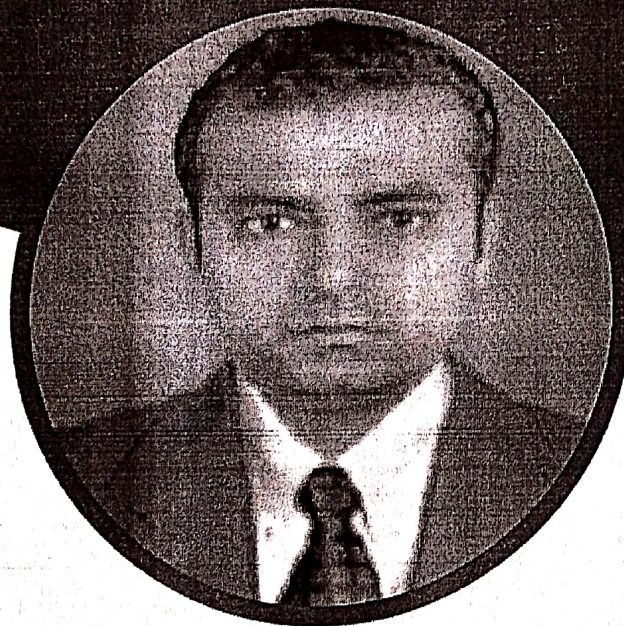
**ZEAL COLLEGE OF ENGINEERING & RESEARCH, PUNE**

Department of Robotics & Automation Engineering

**Expert Session On**

# **"ARTIFICIAL INTELLIGENCE(AI) & IT'S APPLICATION USING MATLAB"**

**BE Robotics & Automation Engineering**



**Speaker**

**MR. ANKIT KUMAR**

(Application Engineer), MATHWORKS  
Design Tech System Pvt. Limited Pune



**29/12/2023 | Friday**  
**09:30 am to 12:30 pm**

**Venue: B3-04**

**Prof. S. S. Dhumal**  
Session Coordinator  
8308129230

**Prof. Y. R. Ingole**  
HoD,  
Robotics & Automation Engg.

**Dr. A. M. Kate**  
Principal,  
ZCOER, Pune

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**Ankit Kumar**  
**(Application Engineer)**  
**Design Tech System Pvt. Limited**  
**Pune**

**Speaker Bio-**

Ankit Kumar works as an application engineer for MathWorks at Design Tech System Pvt. Ltd. (Pune)

In this capacity, He works with academic institutions to efficiently use MathWorks resources in research and education. His area of Expertise is Model Based Design, Simulation, and Electric Vehicle.

He has over 11 years of experience working as an academic researcher and assistant professor. He has published over 5 conference papers. Ankit holds a Bachelor degree in Electrical Engineering SPPU Pune and Master Degree In Control System from SPPU Pune.

<https://www.linkedin.com/in/ankit-kumar-18860b3b>





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Record No.: ZCOER-ACAD/R/21

Revision: 00

Date: 01/04/2021

**Permission for Expert Session**

**Department: Robotics & Automation**  
**Class: BE**

**Semester: II**  
**Div: A**

**Academic Year: 2023-2024**  
**Date: 29/12/2023**

To,  
**The Principal**  
ZCOER, Pune

Subject: Permission for scheduling an Expert Session

Respected Sir,

For enhancing the understanding of students about "Artificial Intelligence (AI) & it's Applications using MATLAB" and "Machine Learning & Deep Learning Workflow with MATLAB", it is planned to schedule an Expert Session Program for the B.E. Robotics & Automation Engineering. The best suitable expert is identified for this session and the details are as given below.

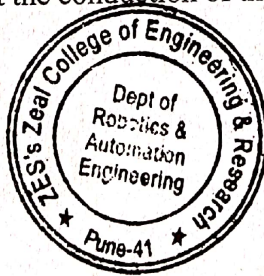
<b>Name of Expert:</b>	<b>Mr. Ankit Kumar</b>
<b>Designation:</b>	<b>Application Engineer</b>
<b>Organization:</b>	<b>Mathworks, Design Tech System Pvt. Ltd., Pune</b>
<b>Experience:</b>	<b>11 Yrs</b>
<b>Date:</b>	<b>29/12/2023</b>
<b>Time and Duration:</b>	<b>09: 30 am to 03:45 pm</b>

**Remuneration Details:**

Number of Hrs. of session	Remuneration/ Hr.	Total
5 Hrs	NIL	NIL

You are hereby requested to kindly permit the conduction of the above said session.

**Prof. Sayali Dhumal**  
**Course Faculty**



**Remark by Principal:**

*Allowed & approved*  
*[Signature]*

**Prof. Y. R. Ingole**  
**Head of Department**  
**Head of Department**  
**Dept. of Robotics & Automation Engg.**  
**ZES's Zeal College of**  
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Record No.: ZCOER-ACAD/R/39

Revision: 00

Date: 01/04/2021

**Notice**

**Department: Robotics & Automation**

**Semester: II**

**Academic Year: 2023-2024**

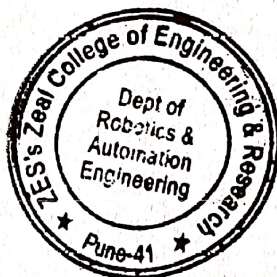
**Date: 26.12.2023**

This is to inform that a Workshop by Mr. Ankit Kumar, Application Engineer, Mathworks, Design Tech System Pvt. Ltd., Pune is scheduled on Topic "Artificial Intelligence (AI) & it's Applications using MATLAB" and "Machine Learning & Deep Learning Workflow with MATLAB" on Friday 29<sup>th</sup> December, 2023 from 09:30 am to 3:45 pm.

Session 1: Artificial Intelligence (AI) & it's Applications using MATLAB



Session 2: Machine Learning & Deep Learning Workflow with MATLAB

**Attendance is compulsory to all.**



**Prof. Y. R. Ingole**  
**Head of the Department**  
**Robotics & Automation**  
**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041



	<b>ZEAL EDUCATION SOCIETY'S</b> <b>ZEAL COLLEGE OF ENGINEERING AND</b> <b>RESEARCH</b> <b>NARHE   PUNE -41   INDIA</b>		
	Record No.: ZCOER-ACAD/R	Revision: 00	

**Expert Session One Page Report**

Date: 29.12.2023

To,  
The H.O.D.  
Robotics & Automation Engineering Department,  
ZCOER, Narhe.

**Subject:** Report of Expert session conducted on topic “Artificial Intelligence (AI) & it's Applications using MATLAB” and “Machine Learning & Deep Learning Workflow with MATLAB”, at ZCOER, Narhe.

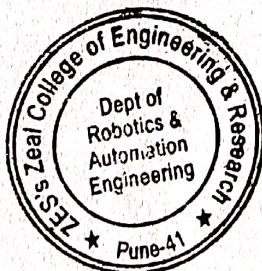
Respected Sir,

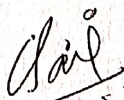
With reference to above mentioned subject, I would like to inform you that **Mr. Ankit Kumar, Application Engineer, Mathworks, DesignTech System Pvt. Ltd., Pune** has successfully conducted a hands-on session for the Fourth Year student on the topic “Artificial Intelligence (AI) & it's Applications using MATLAB” and “Machine Learning & Deep Learning Workflow with MATLAB”. Total 33 final year students were remained present for this session and the session was very interesting and interactive, **Mr. Ankit Kumar** conducted hands on session on **Artificial Intelligence, Machine Learning & Deep Learning**.

**Topics discussed during lecture:**

Sr. No	Contents Covered	POs Mapping to the Contents
1	The Session was planned for BE students to have Hands-on session for Artificial Intelligence (AI) & it's Applications using MATLAB” and “Machine Learning & Deep Learning Workflow with MATLAB Mr. Ankit Kumar shared valuable information about different toolboxes used for AI, Machine Learning and Deep Learning and demonstrated the same with many applications.	PO1, PO2, PO3, PO4, PO5, PO7, PO9, PO10, PO11, PO12, PSO1, PSO2, PSO3

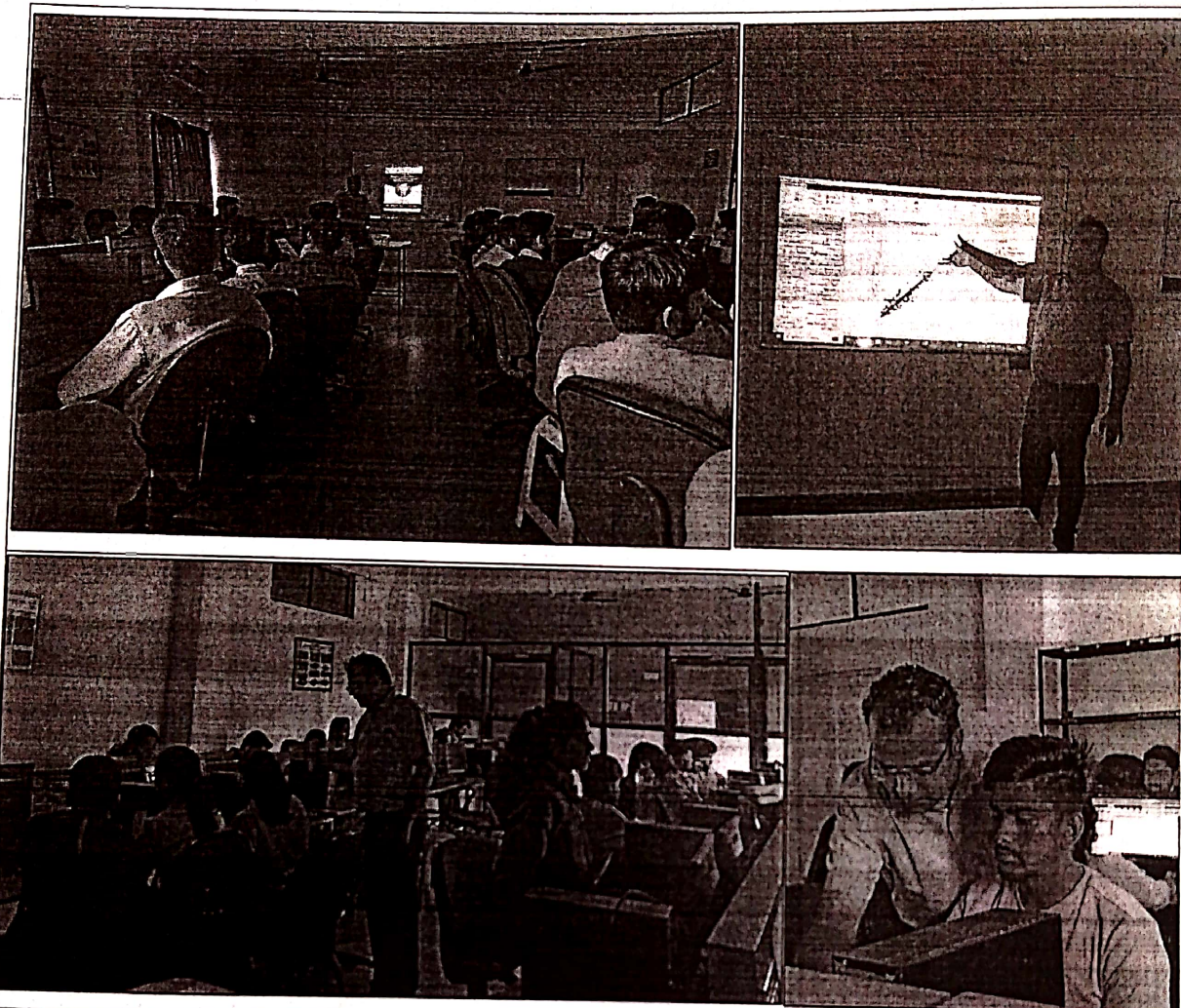
Thanking You,



  
 Yours Sincerely,  
 Prof. Sayali S. Dhumal



**Photographs/Screen shots:**



Expert speaker Mr. Ankit Kumar conducted hands on session on “Artificial Intelligence (AI) & it's Applications using MATLAB” and “Machine Learning & Deep Learning Workflow with MATLAB” for BE students dated 29.12.2023.





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DEPARTMENT OF ROBOTICS & AUTOMATION**

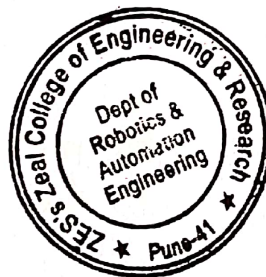


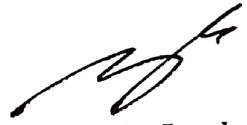
**HANDS-ON SESSION CONDUCTION CERTIFICATE**

Date: 29/12/2023

To whom it may concern

Mr. Ankit Kumar, Application Engineer (MathWorks), Design Tech System Pvt. Ltd., Kothrud, Pune -411038 has conducted hands-on session for Fourth Year Robotics & Automation Engineering students on the topic Session 1: "Artificial Intelligence (AI) & it's Applications using MATLAB" and Session 2: "Machine Learning & Deep Learning Workflow with MATLAB" under MATLAB Student Chapter organized by Department of Robotics & Automation Engineering dated 29<sup>th</sup> December 2023 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe, Pune -41, India.



  
Prof. Y. R. Ingole  
Head of Department

Received:  
A. R.  
29.12.2023



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DEPARTMENT OF ROBOTICS & AUTOMATION**



**Letter of Thanks**

Date: 29/12/2023

To,

**Mr. Ankit Kumar,  
Application Engineer (MathWorks),  
Design Tech System Pvt. Ltd.,  
Kothrud.  
Pune -411038**

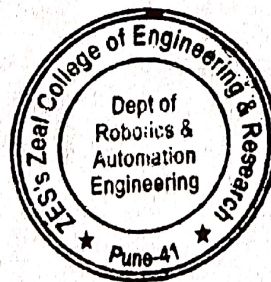
**Subject: Letter of Thanks.**

The Zeal Education Society's ZCOER would like to thank you for enlighten us on one of the emerging topic. Your talk on about Session 1: **"Artificial Intelligence (AI) & its Applications using MATLAB"** and Session 2: **"Machine Learning & Deep Learning Workflow with MATLAB"** under **MATLAB Student Chapter** was one of the new technologies studied by our students. It was an honor for Zeal College of Engineering and Research to have you as our resourceful eminent speaker.

We believe that the knowledge you have shared will help immensely in the development of the student and eventually translate into better future for them.

We know that your time is precious, and we are grateful you shared some of it with us. We look forward to getting more time from your side to arrange such seminars in future.

Again, thank you so much. We hope to see you soon again.



**Prof. Y. R. Ingole**  
Head of Department  
**Head of Department**  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041

Received  
A. S.  
29.12.2023







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Record No.: ACAD/R/21B

Revision: 00

Date: 01/04/2021

**Industry Expert/ Guest Faculty Session Feedback Analysis**

Department: Robotics & Automation


Academic Year: 2023-2024

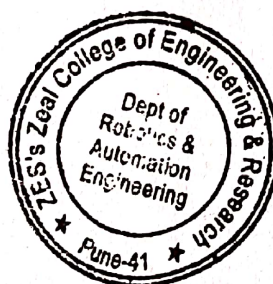
Semester: II


Date: 29.12.2023

Name of Expert/ Guest: Mr. Ankit Kumar

Sr. No.	Attribute	No. of responses	Marks	
			Obtained	%
1	How would you rate the content of the session?	19	87	92
2	How would you rate the knowledge of the guest for the session?		86	91
3	How would you rate the content delivery method of the guest for the session?		84	88
4	How would you rate the management of the session?		80	84
5	Do you think the content of the session added to your knowledge?		95	100

  
Feedback Coordinator



  
H.O.D.  
**Head of Department**  
Dept. of Robotics & Automation Engg  
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Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance Sheet**

Department: Robotics & Automation Engineering

SEM: II

Academic Year: 2023-2024

Class: BE A

Date: 29.12.2023

Topic: Artificial Intelligence & its Application  
using MATLAB

Time: 9:30 to 12:30  
am pm.

S.N.	Roll No.	Name of Students	Sign
01 A1	B1511001	ANDURE VINIT DEEPAK	<i>[Signature]</i>
02 A1	B1511002	BAGADE SAKSHI LAXMAN	<i>[Signature]</i>
03 A1	B1511003	BAGAWA SRUSHTI	<i>[Signature]</i>
04 A1	B1511004	BAKARE AUM	
05 A1	B1511005	BHADE NAHUSH ANIL	<i>[Signature]</i>
06 A1	B1511006	BHOSLE SAMRUDDHI	
07 A1	B1511007	BURTE RUTVIK	
08 A1	B1511008	CHAUDHARI LALIT VINOD	
09 A1	B1511009	CHAUHAN YASH	
10 A1	B1511010	CHAVAN ANIKET	
11 A1	B1511011	CHAVAN PRATHAMESH	<i>[Signature]</i>
12 A1	B1511012	CHOWDHARY PANKAJ	
13 A1	B1511013	DESHMUKH AACHAL	<i>[Signature]</i>
14 A1	B1511014	DEVAKAR SHRIDATTA	
15 A1	B1511015	DHAMNE MIHIR GANESH	
16 A1	B1511016	DHOTRE DEVESH MALIK	
17 A1	B1511017	DHUMAL ROHAN	<i>[Signature]</i>
18 A1	B1511018	GADE OM PRADEEP	<i>[Signature]</i>
19 A1	B1511019	GAIKWAD SURAJ DHANAJI	<i>[Signature]</i>
20 A1	B1511020	INDORE RAHUL BHASKAR	
21 A1	B1511021	JADHAV RAHUL AJIT	
22 A1	B1511022	JAGTAP ABHISHEK	
23 A1	B1511023	JAGTAP PRATHAM	<i>[Signature]</i>
24 A1	B1511024	JAGTAP SIDDHESH PRAVIN	<i>[Signature]</i>
25 A2	B1511025	KADU OM SANDEEP	
26 A2	B1511026	KALAMBE NINAD MILIND	
27 A2	B1511027	KALE SHRINIVAS	<i>[Signature]</i>
28 A2	B1511028	KHEDEKAR CHETAN	<i>[Signature]</i>
29 A2	B1511029	KSHIRSAGAR AVANTI	
30 A2	B1511030	KUTE CHAITANYA	<i>[Signature]</i>
31 A2	B1511031	LAHAMAGE TEJAS KIRAN	
32 A2	B1511032	MAHENDRE VINAY	<i>[Signature]</i>
33 A2	B1511033	MALWADKAR ABHISHEK	<i>[Signature]</i>
34 A2	B1511034	MATE ADITI PANDURANG	
35 A2	B1511035	MORE PRAJWAL	
36 A2	B1511036	NACHAN GOKUL	
37 A2	B1511037	NAIK KHUSHI BHASKAR	
38 A2	B1511038	NAWAL SHIVAM DILIP	







**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance Sheet**

Department: Robotics & Automation Engineering SEM: II Academic Year: 2023-2024

Class: BE A

Date: 29.12.2023

Topic:

Time:

S.N.	Roll No.	Name of Students	Sign
39 A2	B1511039	NIKURE PRAJWAL	
40 A2	B1511040	PARDESHI SOURABH	
41 A2	B1511041	PATIL BHAVIKA	
42 A2	B1511042	PATIL YASH PRABHAKAR	
43 A2	B1511043	PAWAR VRUSHAB	
44 A2	B1511044	PORE AJIT PANDURANG	
45 A2	B1511045	PRAJAPATI NILESH	
46 A2	B1511046	PUDALE RUSHIKESH	
47 A2	B1511047	RANDIVE VYANKTESH	
48 A2	B1511048	RANGATE YASH	
49 A3	B1511049	RANGREJ MUZAFFAR	
50 A3	B1511050	RASAL VAIBHAV SANJAY	
51 A3	B1511051	RAUT PRATIKSHA DINESH	
52 A3	B1511052	ROKADE PRANALI	
53 A3	B1511053	SABLE TUSHAR	
54 A3	B1511054	SALUNKHE VIKEE ASHOK	
55 A3	B1511055	SALUNKHE YASH AJAY	
56 A3	B1511056	SANDUPATLA ANIKET	
57 A3	B1511057	SHAH NIKUNJ	
58 A3	B1511058	SHAIKH AFAAN KHALID	
59 A3	B1511059	SHAIKH MOHAMMED	
60 A3	B1511060	SHARMA PRERNA	
61 A3	B1511061	SHEIKH LAYBA MAHIN	
62 A3	B1511062	SHINDE ANISHA MARUTI	
63 A3	B1511063	SURYAWANSHI SURAJ	
64 A3	B1511064	THORAT SRUSHTI	
65 A3	B1511065	THORAT VAISHNAVI	
66 A3	B1511066	TUKARAL ASHISH	
67 A3	B1511067	VASVE KAUSHAL	
68 A3	B1511068	WAGHMARE LAMBODAR	
69 A3	B1511069	WAMAN YASH SHANKAR	
70 A3	B1511070	YADAV SAHIL POPAT	
Present Students Count			33

Head of Department





**ZEAL EDUCATION SOCIETY'S**  
**ZEAL COLLEGE OF ENGINEERING AND RESEARCH**  
**NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance Sheet**

Department: Robotics & Automation Engineering SEM: II Academic Year: 2023-2024  
Date: 29.12.2023

Class: BE A

Topic: Machine Learning & Deep Learning Workflow with MATLAB. Time: 1:15 to 3:45 pm

S.N.	Roll No.	Name of Students	Sign
01 A1	B1511001	ANDURE VINIT DEEPAK	
02 A1	B1511002	BAGADE SAKSHI LAXMAN	
03 A1	B1511003	BAGAWA SRUSHTI	
04 A1	B1511004	BAKARE AUM	
05 A1	B1511005	BHADE NAHUSH ANIL	
06 A1	B1511006	BHOSLE SAMRUDDHI	
07 A1	B1511007	BURTE RUTVIK	
08 A1	B1511008	CHAUDHARI LALIT VINOD	
09 A1	B1511009	CHAUHAN YASH	
10 A1	B1511010	CHAVAN ANIKET	
11 A1	B1511011	CHAVAN PRATHAMESH	
12 A1	B1511012	CHOWDHARY PANKAJ	
13 A1	B1511013	DESHMUKH AACHAL	
14 A1	B1511014	DEVAKAR SHRIDATTA	
15 A1	B1511015	DHAMNE MIHIR GANESH	
16 A1	B1511016	DHOTRE DEVESH MALIK	
17 A1	B1511017	DHUMAL ROHAN	
18 A1	B1511018	GADE OM PRADEEP	
19 A1	B1511019	GAIKWAD SURAJ DHANAJI	
20 A1	B1511020	INDORE RAHUL BHASKAR	
21 A1	B1511021	JADHAV RAHUL AJIT	
22 A1	B1511022	JAGTAP ABHISHEK	
23 A1	B1511023	JAGTAP PRATHAM	
24 A1	B1511024	JAGTAP SIDDHESH PRAVIN	
25 A2	B1511025	KADU OM SANDEEP	
26 A2	B1511026	KALAMBE NINAD MILIND	
27 A2	B1511027	KALE SHRINIVAS	
28 A2	B1511028	KHEDEKAR CHETAN	
29 A2	B1511029	KSHIRSAGAR AVANTI	
30 A2	B1511030	KUTE CHAITANYA	
31 A2	B1511031	LAHAMAGE TEJAS KIRAN	
32 A2	B1511032	MAHENDRE VINAY	
33 A2	B1511033	MALWADKAR ABHISHEK	
34 A2	B1511034	MATE ADITI PANDURANG	
35 A2	B1511035	MORE PRAJWAL	
36 A2	B1511036	NACHAN GOKUL	
37 A2	B1511037	NAIK KHUSHI BHASKAR	
38 A2	B1511038	NAWAL SHIVAM DILIP	







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NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance Sheet**

Department: Robotics & Automation Engineering

SEM: II

Academic Year: 2023-2024

Class: BE A

Date: 29.12.2023

Topic:

Time:

S.N.	Roll No.	Name of Students	Sign
39 A2	B1511039	NIKURE PRAJWAL	
40 A2	B1511040	PARDESHI SOURABH	
41 A2	B1511041	PATIL BHAVIKA	
42 A2	B1511042	PATIL YASH PRABHAKAR	<i>Patil</i>
43 A2	B1511043	PAWAR VRUSHAB	<i>Warier</i>
44 A2	B1511044	PORE AJIT PANDURANG	
45 A2	B1511045	PRAJAPATI NILESH	
46 A2	B1511046	PUDALE RUSHIKESH	<i>Rushikesh</i>
47 A2	B1511047	RANDIVE VYANKTESH	
48 A2	B1511048	RANGATE YASH	
49 A3	B1511049	RANGREJ MUZAFFAR	
50 A3	B1511050	RASAL VAIBHAV SANJAY	
51 A3	B1511051	RAUT PRATIKSHA DINESH	<i>P.D. Raut</i>
52 A3	B1511052	ROKADE PRANALI	
53 A3	B1511053	SABLE TUSHAR	<i>Sable</i>
54 A3	B1511054	SALUNKHE VIKEE ASHOK	<i>Salunkhe</i>
55 A3	B1511055	SALUNKHE YASH AJAY	<i>Salunkhe</i>
56 A3	B1511056	SANDUPATLA ANIKET	
57 A3	B1511057	SHAH NIKUNJ	
58 A3	B1511058	SHAIKH AFAAN KHALID	
59 A3	B1511059	SHAIKH MOHAMMED	<i>M. Jain</i>
60 A3	B1511060	SHARMA PRERNA	<i>Prerna</i>
61 A3	B1511061	SHEIKH LAYBA MAHIN	<i>Layba</i>
62 A3	B1511062	SHINDE ANISHA MARUTI	
63 A3	B1511063	SURYAWANSHI SURAJ	<i>Suryawanshi</i>
64 A3	B1511064	THORAT SRUSHTI	<i>Srushti</i>
65 A3	B1511065	THORAT VAISHNAVI	
66 A3	B1511066	TUKARAL ASHISH	
67 A3	B1511067	VASVE KAUSHAL	
68 A3	B1511068	WAGHMARE LAMBODAR	
69 A3	B1511069	WAMAN YASH SHANKAR	
70 A3	B1511070	YADAV SAHIL POPAT	
Present Students Count			20 + 1

Head of Department



<b>ZEAL COLLEGE OF ENGINEERING &amp; RESEARCH</b> <b>Artificial Intelligence (AI) and Its Applications Using MATLAB</b>			
Date	Session	Topic	Contents
29/12/2023	Forenoon	Machine Learning using MATLAB	<ul style="list-style-type: none"> <li>What is Machine Learning</li> <li>Understanding Machine Learning Workflow</li> <li>Supervised and Unsupervised Learning</li> <li>Create, train and validate Machine Learning models interactively Using Regression Learner App and Classification Learner App</li> </ul>
		Machine Learning Onramp	<a href="https://matlabacademy.mathworks.com/details/machine-learning-onramp/machinelearning">https://matlabacademy.mathworks.com/details/machine-learning-onramp/machinelearning</a>
29/12/2023	Afternoon	Deep Learning using MATLAB	<ul style="list-style-type: none"> <li>What is Deep Learning</li> <li>Understanding Deep Learning Workflow</li> <li>Interactively create and train deep learning networks using Deep Network Designer App</li> <li>Create Image Classification Network from scratch</li> <li>Using Transfer Learning Approach to classify a new collection of images</li> </ul>
		Deep Learning Onramp	<a href="https://matlabacademy.mathworks.com/details/deep-learning-onramp/deeplearning">https://matlabacademy.mathworks.com/details/deep-learning-onramp/deeplearning</a>

Enclose- Speaker Profile for Reference

Timing -10.00 am Onwards with schedule break

Sharing listed useful web link/Documents for session: -

1. Access to MATLAB and Simulink Online Training Courses : <https://matlabacademy.mathworks.com/>
2. Access to MATLAB Online –MATLAB (mathworks.com)
3. MathWorks Support videos, links and contacts ( Installation ) - Campus Web License Quick Start Guides - MATLAB & Simulink (mathworks.com)
4. Find few Installation related Documents given here – Quick Start Guide for Individual Users

<https://mail.google.com/mail/u/0/?ik=1ea0ebf455&view=pt&search=all&permthid=thread-f:1786574451165977697&simpl=msg-f:17865744511659776...> 5/10





**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R/21

Revision: 00

Date: 01/04/2021

**Permission for Industry Expert Session**

Department: Robotics & Automation

Semester: II

Academic Year: 2023-2024

Class: TE

Div: A

Date: 11/01/2024

To,  
**The Principal**  
ZCOER, Pune

Subject: Permission for scheduling an Expert Session

Respected Sir,

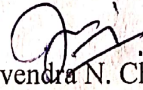
For enhancing the understanding of students about “**Design Tool Solid Works**”, It planned to schedule an Expert Session for the Program T.E. Robotics & Automation Engineering. The best suitable expert is identified for this session and the details are as given below.

<b>Name of Expert:</b>	Mr. Prem Naik
<b>Designation:</b>	Design Engineer
<b>Organization:</b>	Infinite Graphix Technologies pvt ltd, Pune
<b>Experience:</b>	8 Yrs
<b>Date:</b>	12/01/2024
<b>Time and Duration:</b>	10:30 am to 11:30 am

**Remuneration Details:**

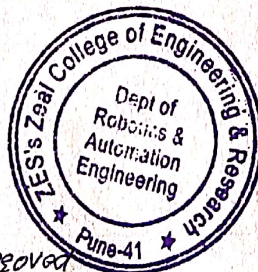
Number of Hrs. of session	Remuneration/ Hr.	Total
1Hrs	Nil	Nil
-		

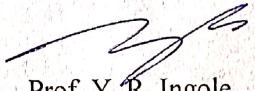
You are hereby requested to kindly permit the conduction of the above said session and sanction the remuneration of Rs. Nil

  
Prof. Devendra N. Chaudhari  
Course Faculty

Remark by Principal:

*Allowed & approved*  
*Ashok*  
*24/01/24*



  
Prof. Y. R. Ingole  
Head of Department  
**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041







**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R/39

Revision: 00

Date: 01/04/2021

**Notice**

**Department: Robotics & Automation**

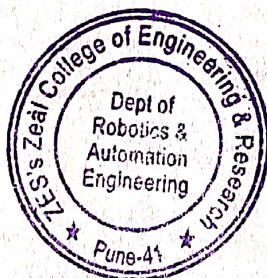
**Sem: II**

**Academic Year: 2023-2024**

**Date: 11.01.2024**

This is to inform that an Expert talk by **Mr. Prem Naik, Design Engineer, Infinite Graphix Technologies pvt ltd, Pune** is scheduled on Topic **"Design Tool Solid Works"** on **Friday 12<sup>th</sup> January, 2024** from **10:30 am to 11:30am**.

**Attendance is compulsory to all.**



**Prof. Y. R. Ingole**  
**Head of the Department**

**Head of Department**  
**Dept. of Robotics & Automation Engg**  
**ZES's Zeal College of**  
**Engineering & Research**  
**Narhe, Pune-411041**







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NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session One Page Report**

Date: 12.1.2024

To,  
The H.O.D.  
Robotics & Automation Engineering Department,  
ZCOER, Narhe.

**Subject:** Report of Expert session conducted on topic “**Design Tool Solid Works**”, at ZCOER, Narhe.

Respected Sir,

With reference to above mentioned subject, I would like to inform you that **Mr. Prem Naik, Design Engineer, Infinite Graphix Technologies pvt ltd, Pune** has successfully conducted a hands-on session for the Third Year student on the topic “**Design Tool Solid Work**”. Students of T.E. were present for this session and the session was very interesting and interactive, **Mr. Prem Naik** conducted session on **various Design tools CAD/CAE/CAM**.

**Topics discussed during lecture:**

Sr. No	Contents Covered	POs Mapping to the Contents
1	The Session was planned for TE students to have information and brief knowledge on Different Design Tools and their use for industry” Mr. Prem Naik shared valuable information about different design tool used for sheet Metal work, 2D design, part modelling, simulation and demonstrated the same with many applications.	PO1, PO2, PO3, PO4, PO5, PO7, PO9, PO10, PO11, PO12, PSO1, PSO2, PSO3

Thanking You,

Yours Sincerely,  
Prof. Devendra N. Chaudhari







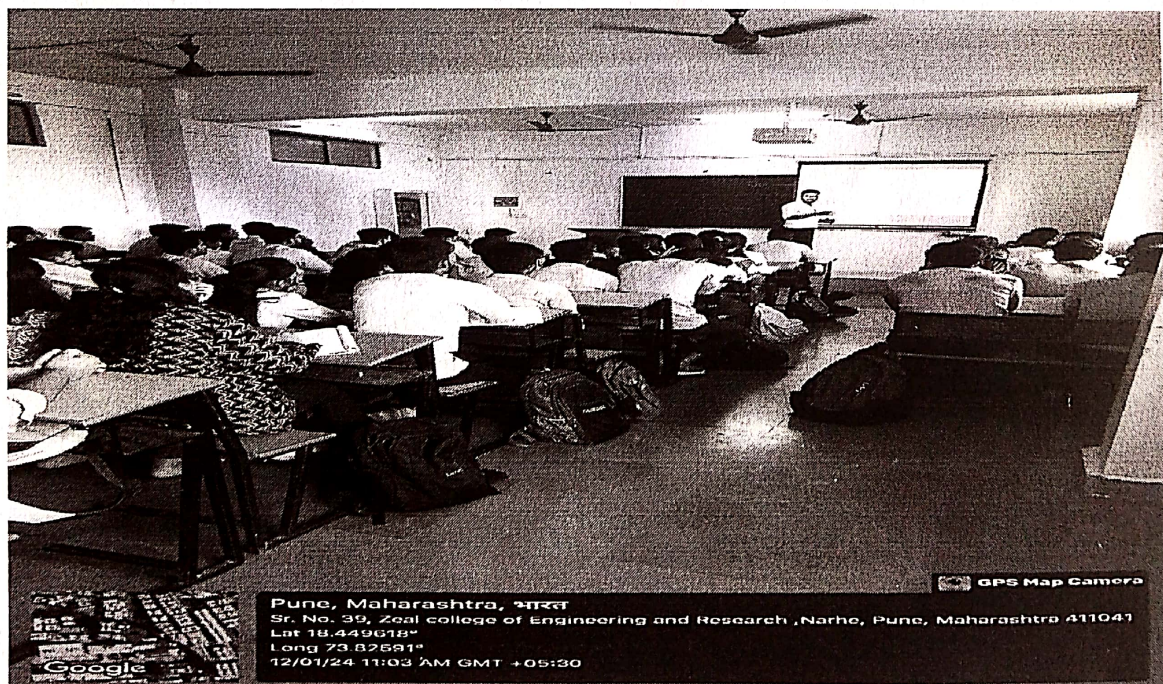
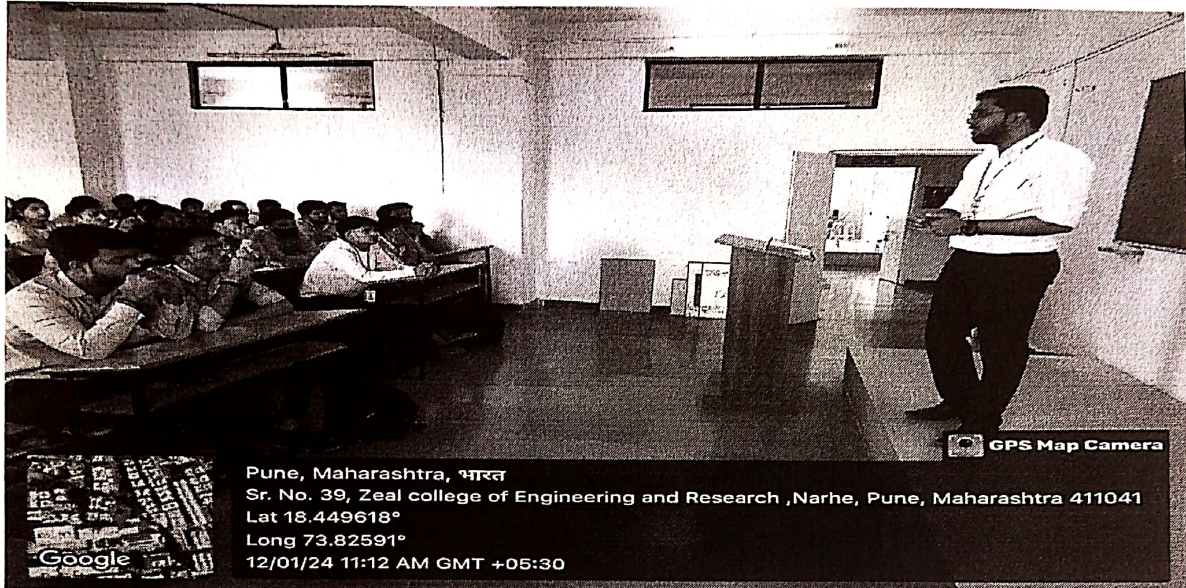
**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND  
RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021



Expert speaker Mr. Prem Naik conducted Expert session on ““Design Tool Solid Works”” for TE students dated 12.01.2024 -





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ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**

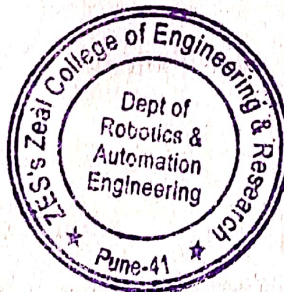


**EXPERT LECTURE CONDUCTION CERTIFICATE**

Date: 12.01.2024

To whom it may concern

Mr. Prem Naik, Design Engineer, Infinite Graphix Technologies pvt ltd, Pune has conducted expert lecture for Third Year Robotics & Automation Engineering students on the topic "Design Tool Solid Works", organized by Department of Robotics & Automation Engineering dated 12<sup>th</sup> Jan 2024 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe , Pune -41, India.



Prof. Y. R. Ingole

Head of Department

**Head of Department**

Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041





**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



**Letter of Thanks**

Date: 12.01.2024

To,

**Mr. Prem Naik  
Design Engineer,  
Infinite Graphix Technologies pvt ltd, Pune.**

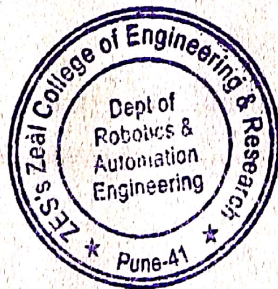
**Subject:** Letter of Thanks.

The Zeal Education Society's ZCOER would like to thank you for enlighten us on one of the emerging topic. Your talk on about about "**Design Tool Solid Works**", was one of the new technologies studied by our students. It was an honor for Zeal College of Engineering and Research to have you as our resourceful eminent speaker.

We believe that the knowledge you have shared will help immensely in the development of the students and eventually translate into better future for them.

We know that your time is precious, and we are grateful you shared some of it with us. We look forward to getting more time from your side to arrange such seminars in future.

Again, thank you so much. We hope to see you soon again.



**Prof. Y. R. Ingole  
Head of Department**

**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041







**ZEAL EDUCATION SOCIETY'S**  
**ZEAL COLLEGE OF ENGINEERING AND RESEARCH**  
**NARHE | PUNE -41 | INDIA**



Record No.: ACAD/R/21B

Revision: 00

Date: 01/04/2021

**Industry Expert/ Guest Faculty Session Feedback Analysis**

Department: Robotics & Automation

Academic Year: 2023-2024

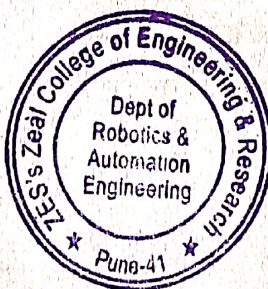
Semester: II


Date: 12.01.2024

Name of Expert/ Guest: Mr. Prem Naik

Sr. No.	Attribute	No. of responses	Marks	
			Obtained	%
1	How would you rate the content of the session?	24	105	88
2	How would you rate the knowledge of the guest for the session?		101	84
3	How would you rate the content delivery method of the guest for the session?		102	85
4	How would you rate the management of the session?		99	83
5	Do you think the content of the session added to your knowledge?		112	93

  
Feedback Coordinator



  
H.O.D.

**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041





**ZEAL EDUCATION SOCIETY'S**  
**ZEAL COLLEGE OF ENGINEERING AND RESEARCH**  
**NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance**

Department: Robotics & Automation Engineering

SEM: II

Academic Year: 2023 -2024

Class: TE A

Date: 12/01/2024

Subject: FMS & RP, Internship

Time: 10:30 am

Topics Covered: Solid Work

S.N.	Roll No.	Name of Students	Sign
01 A1	T1511001	AGALE NIKHIL SACHIN	
02 A1	T1511002	BAGAL KAWAL YOGESH	
03 A1	T1511003	BHAGAT UJJWAL	<i>Ujjwal</i>
04 A1	T1511004	BHANBHANE PRANALI	
05 A1	T1511005	BHASKAR YASH BHARAT	<i>Yash</i>
06 A1	T1511007	BIJOY ARYAN	<i>Arya</i>
07 A1	T1511008	BODAKE SAURABH	<i>Saurabh</i>
08 A1	T1511009	BONDALE KUNAL	<i>Kunal</i>
09 A1	T1511011	CHALARAKAL LEVIN	<i>Levin</i>
10 A1	T1511012	CHAVAN OMKAR	<i>Omkar</i>
11 A1	T1511015	DABHADE SANKET	<i>Sanket</i>
12 A1	T1511016	DOLASKAR KARTIK	<i>Kartik</i>
13 A1	T1511017	GADEWAR SAKSHI BALAJI	<i>Sakshi</i>
14 A1	T1511018	GAIKAWAD SAURABH	
15 A1	T1511019	GAIKWAD PRANNOY ATUL	
16 A1	T1511020	GHADAGE VAIBHAVI	<i>Vaibhavi</i>
17 A1	T1511021	GHOLAP TEJAS	<i>Tejas</i>
18 A1	T1511022	INAMDAR SAMIYA FAYAJ	<i>Samiya</i>
19 A1	T1511023	JADHAV HARSHAL	
20 A1	T1511024	JADHAV VISHWARAJ	<i>Vishwaraj</i>
21 A2	T1511027	JORI ABHISHEK	<i>Abhishek</i>
22 A2	T1511028	JORI MANAV AJAY	<i>Manav</i>
23 A2	T1511030	KALE ATHARV SHIVAJI	<i>Atharv</i>
24 A2	T1511032	KATHARE DIVYA ANIL	<i>Divya</i>
25 A2	T1511033	KATKAR ADITYA MANOJ	<i>Aditya</i>
26 A2	T1511034	KOLI AVANTIKA RAJARAM	<i>Avantika</i>
27 A2	T1511035	LOKHANDE AMEY ANANT	
28 A2	T1511036	LONI MOHAMMAD ESA	<i>Esam</i>
29 A2	T1511037	MAGAR OMKAR GANPAT	<i>Omkar</i>
30 A2	T1511038	MAHAMUNI YASH SANJAY	
31 A2	T1511039	MANDAVKAR RUTUJA	<i>Rutuja</i>
32 A2	T1511040	MEHTA ADITYAKANT	<i>Aditya</i>
33 A2	T1511041	MOHITE SWEETKAR SUNIL	<i>Sunil</i>
34 A2	T1511042	MORE ABHIJEET	<i>Abhi</i>
35 A2	T1511043	MORE RAHUL RAJENDRA	
36 A2	T1511044	MORE SUSHANT SUNIL	<i>Sushant</i>
37 A2	T1511045	NIKAM ANIKET SANTOSH	
38 A2	T1511046	PAIGUDE SANIKA SUNIL	





**ZEAL EDUCATION SOCIETY'S**  
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**NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

S.N.	Roll No.	Name of Students	Sign
39 A2	T1511047	PALANGE OMKAR PRADIP	<i>Omkar</i>
40 A2	T1511048	PANCHAL SANDHYARANI	<i>Sandhya</i>
41 A3	T1511049	PARAB OMKAR YOGESH	
42 A3	T1511050	PATIL VARAD VINOD	
43 A3	T1511051	RAUT AKSHAY	<i>Akshay</i>
44 A3	T1511052	RAUT BHAVESH MANOJ	
45 A3	T1511053	SALUNKE ADITYA	
46 A3	T1511054	SALUNKHE	<i>Aditya</i>
47 A3	T1511055	SARODE LALIT	
48 A3	T1511057	SHAIKH AMAN ULFAN	
49 A3	T1511060	SHELAR ROHAN	<i>Rohan</i>
50 A3	T1511061	SHELKE VAIBHAVI	
51 A3	T1511062	SHINDE RUSHIKESH	<i>Rushikesh</i>
52 A3	T1511063	SHIRKE MAHESH SATISH	<i>Mahesh</i>
53 A3	T1511065	SUTAR ARYAN	<i>Aryan</i>
54 A3	T1511066	TALATHI ASAWARI	
55 A3	T1511067	TANNU AMEYA GANESH	
56 A3	T1511068	TATHE KRUSHNA	
57 A3	T1511069	VAIDYA SHUBHAM	<i>Shubham</i>
58 A3	T1511070	VISHWAKARMA	<i>Shubham</i>
59 A3	T1511071	WAKCHAURE MUKUNDA	<i>Mukunda</i>
Present Students Count			39

Head of Department







**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R/21

Revision: 00

Date: 01/04/2021

**Permission for Industry Expert Session**

Department: Robotics & Automation  
Class: TE & BE

Semester: II  
Div: A

Academic Year: 2023-2024  
Date: 11.01.2024

To,  
The Principal  
ZCOER, Pune

Subject: Permission for scheduling an Expert Session

Respected Sir,

For enhancing the understanding of students about "Generative AI", It planned to schedule an Expert Session for the Program T.E. & B.E. Robotics & Automation Engineering. The best suitable expert is identified for this session and the details are as given below.

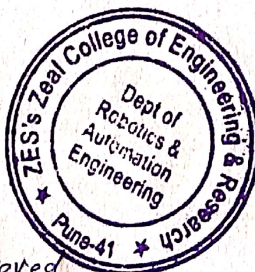
Name of Expert:	Dr. Subhash Tatala
Designation:	Quality Engineering
Organization:	Infosys Ltd., Pune
Experience:	16 Yrs
Date:	13.01.2024
Time and Duration:	8:00 am to 10:00 am

**Remuneration Details:**

Number of Hrs. of session	Remuneration/ Hr.	Total
2Hrs	Nil	Nil
-Nil-		

You are hereby requested to kindly permit the conduction of the above said session and sanction the remuneration of Rs. -Nil-

Kotakar A.S.  
Course Faculty



Prof. Y. R. Ingole  
Head of Department

Remark by Principal:

*Allowed & approved*  
*Arbake*  
*12/01/24*







**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R/39

Revision: 00

Date: 01/04/2021

**Notice**

**Department: Robotics & Automation**

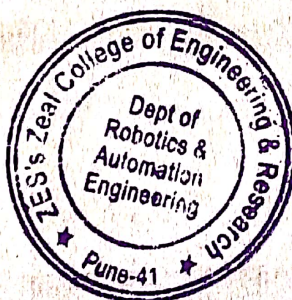
**Sem: II**

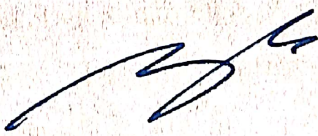
**Academic Year: 2023-2024**

**Date: 11.01.2024**

This is to inform that an Expert talk by **Dr. Subhash Tatale, Quality Engineering, Infosys Ltd., Pune** is scheduled on Topic **"Generative AI"** on **Saturday 13<sup>th</sup> January, 2024** from **8:00 am to 10:00 am**.

**Attendance is compulsory to all.**



  
**Prof. Y. R. Ingole**  
**Head of the Department**  
**Robotics & Automation**





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ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**EXPERT SESSION ONE PAGE REPORT**

Date: 13.01.2024

To,  
The H.O.D.  
Robotics & Automation Engineering Department,  
ZCOER, Narhe.

**Subject:** Report of expert lecture conducted by Expert on topic "**Generative AI**" at ZCOER, Narhe.

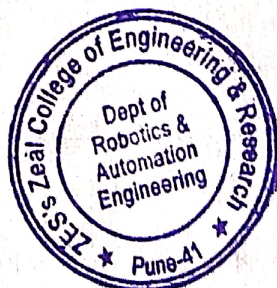
Respected Sir,

With reference to above mentioned subject, I would like to inform you that **Dr. Subhash Tatale, Quality Engineering, Infosys Ltd., Pune** has successfully conducted an Expert Lecture for the Third and fourth Year student on the topic "**Generative AI**" 61 Students of T.E. & B.E. were present for this session and the session was very interesting and interactive, **Dr. Subhash Tatale** has given valuable information insight about **Generative AI** in Robotics.

**Topics discussed during lecture:**

Sr. No	Contents Covered	POs Mapping to the Contents
1	The Session was planned for TE & BE students to have Expert Lecture for Generative Artificial Intelligence (AI). <b>Dr. Subhash Tatale</b> shared valuable information about different toolboxes used for AI, Machine Learning and Deep Learning and demonstrated the same with many applications.	PO1, PO2, PO3, PO4, PO5, PO7, PO9, PO10, PO11, PO12, PSO1, PSO2, PSO3

Thanking You,



Yours Sincerely,  
Prof. Kotakar A.S.





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ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA

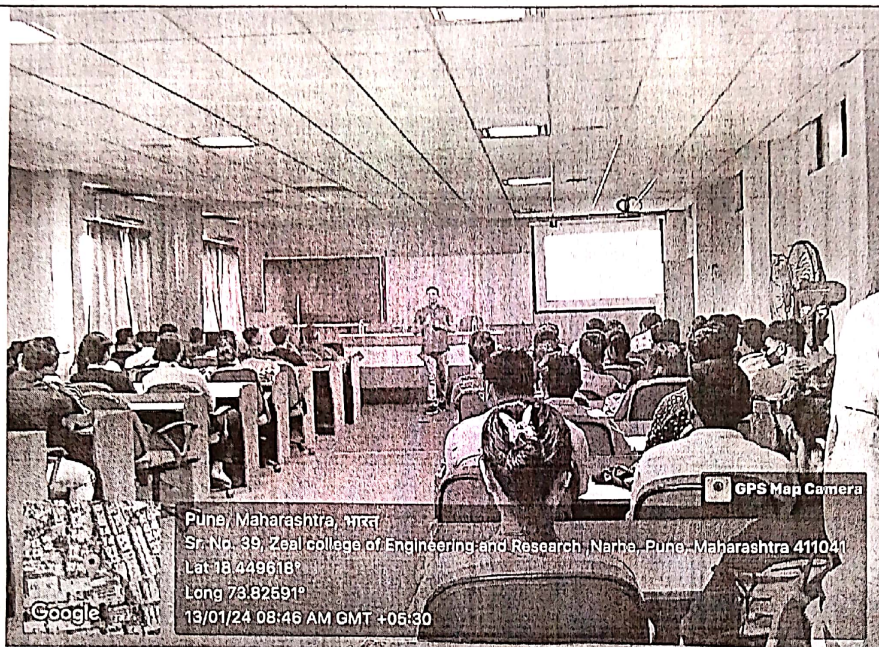


Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Photographs/Screen shots:



Expert speaker **Dr. Subhash Tatal** conducted hands on session on “Generative AI” for TE & BE students dated 13.01.2024  
Total count of student:61





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NARHE | PUNE -41 | INDIA

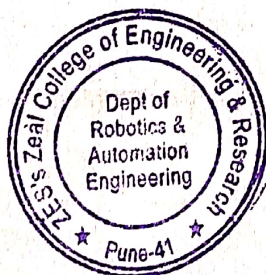


EXPERT LECTURE CONDUCTION CERTIFICATE

Date: 13.01.24

To whom it may concern

Dr. Subhash Tatale, Quality Engineering, Infosys Ltd., Pune has conducted expert lecture for Third & Fourth Year Robotics & Automation Engineering students on the topic "**Generative AI**", organized by Department of Robotics & Automation Engineering dated 13<sup>th</sup> Jan 2024 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe , Pune -41, India.



Prof. Y. R. Ingole  
Head of Department

**Head of Department**  
**Dept. of Robotics & Automation Engg**  
**ZES's Zeal College of**  
**Engineering & Research**  
**Narhe, Pune-411041**





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ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



**Letter of Thanks**

Date: 13.01.2024

To,  
**Dr. Subhash Tatale,**  
**Quality Engineering,**  
**Infosys Ltd.**

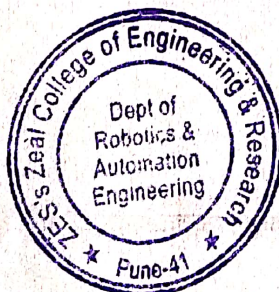
**Subject:** Letter of Thanks.

The Zeal Education Society's ZCOER would like to thank you for enlighten us on one of the emerging topic. Your talk on about **"Generative AI"** was one of the new technologies studied by our students. It was an honor for Zeal College of Engineering and Research to have you as our resourceful eminent speaker.

We believe that the knowledge you have shared will help immensely in the development of the students and eventually translate into better future for them.

We know that your time is precious, and we are grateful you shared some of it with us. We look forward to getting more time from your side to arrange such seminars in future.

Again, thank you so much. We hope to see you soon again.



**Prof. Y. R. Ingole**  
**Head of Department**  
**Head of Department**  
**Dept. of Robotics & Automation Engg**  
**ZES's Zeal College of**  
**Engineering & Research**  
**Narhe, Pune-411041**







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Record No.: ACAD/R/21B

Revision: 00

Date: 01/04/2021

Industry Expert/ Guest Faculty Session Feedback Analysis

Department: Robotics & Automation

Academic Year: 2023-2024

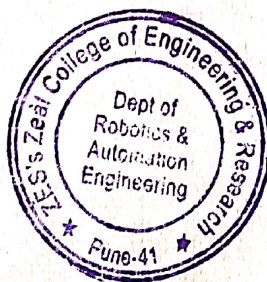
Semester: II

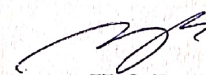
Date: 13.01.2024

Name of Expert/ Guest: Dr. Subhash Tatale

Sr. No.	Attribute	No. of responses	Marks	
			Obtained	%
1	How would you rate the content of the session?	33	143	87
2	How would you rate the knowledge of the guest for the session?		144	87
3	How would you rate the content delivery method of the guest for the session?		143	87
4	How would you rate the management of the session?		140	85
5	Do you think the content of the session added to your knowledge?		157	95

  
Feedback Coordinator



  
H.O.D.

**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041







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**NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance**

Department: Robotics & Automation Engineering

SEM: II

Academic Year: 2023 -2024

Class: TE A

Date: 13/01/2024

Subject:

Time: 10.30 am to 11.30 am

Topics Covered: Generative AI

S.N.	Roll No.	Name of Students	Sign
01 A1	T1511001	AGALE NIKHIL SACHIN	
02 A1	T1511002	BAGAL KAWAL YOGESH	
03 A1	T1511003	BHAGAT UJJWAL	
04 A1	T1511004	BHANBHANE PRANALI	
05 A1	T1511005	BHASKAR YASH BHARAT	
06 A1	T1511007	BIJOY ARYAN	
07 A1	T1511008	BODAKE SAURABH	
08 A1	T1511009	BONDALE KUNAL	
09 A1	T1511011	CHALARAKAL LEVIN	
10 A1	T1511012	CHAVAN OMKAR	
11 A1	T1511015	DABHADE SANKET	
12 A1	T1511016	DOLASKAR KARTIK	
13 A1	T1511017	GADEWAR SAKSHI BALAJI	
14 A1	T1511018	GAIKAWAD SAURABH	
15 A1	T1511019	GAIKWAD PRANNOY ATUL	
16 A1	T1511020	GHADAGE VAIBHAVI	
17 A1	T1511021	GHOLAP TEJAS	
18 A1	T1511022	INAMDAR SAMIYA FAYAJ	
19 A1	T1511023	JADHAV HARSHAL	
20 A1	T1511024	JADHAV VISHWARAJ	
21 A2	T1511027	JORI ABHISHEK	
22 A2	T1511028	JORI MANAV AJAY	
23 A2	T1511030	KALE ATHARV SHIVAJI	
24 A2	T1511032	KATHARE DIVYA ANIL	
25 A2	T1511033	KATKAR ADITYA MANOJ	
26 A2	T1511034	KOLI AVANTIKA RAJARAM	
27 A2	T1511035	LOKHANDE AMEY ANANT	
28 A2	T1511036	LONI MOHAMMAD ESA	
29 A2	T1511037	MAGAR OMKAR GANPAT	
30 A2	T1511038	MAHAMUNI YASH SANJAY	
31 A2	T1511039	MANDAVKAR RUTUJA	
32 A2	T1511040	MEHTA ADITYAKANT	
33 A2	T1511041	MOHITE SWEETAR SUNIL	
34 A2	T1511042	MORE ABHIJEET	
35 A2	T1511043	MORE RAHUL RAJENDRA	
36 A2	T1511044	MORE SUSHANT SUNIL	
37 A2	T1511045	NIKAM ANIKET SANTOSH	
38 A2	T1511046	PAIGUDE SANIKA SUNIL	





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**NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

S.N.	Roll No.	Name of Students	Sign
39 A2	T1511047	PALANGE OMKAR PRADIP	
40 A2	T1511048	PANCHAL SANDHYARANI	<i>Panchal</i>
41 A3	T1511049	PARAB OMKAR YOGESH	<i>Omkar</i>
42 A3	T1511050	PATIL VARAD VINOD	<i>Varad</i>
43 A3	T1511051	RAUT AKSHAY	
44 A3	T1511052	RAUT BHAVESH MANOJ	
45 A3	T1511053	SALUNKE ADITYA	
46 A3	T1511054	SALUNKHE Gajendra	<i>Gajendra</i>
47 A3	T1511055	SARODE LALIT	
48 A3	T1511057	SHAIKH AMAN ULFAN	
49 A3	T1511060	SHELAR ROHAN	<i>Rohan</i>
50 A3	T1511061	SHELKE VAIBHAVI	<i>Shelke</i>
51 A3	T1511062	SHINDE RUSHIKESH	<i>Rushikesh</i>
52 A3	T1511063	SHIRKE MAHESH SATISH	<i>M. S. S.</i>
53 A3	T1511065	SUTAR ARYAN	<i>Arya</i>
54 A3	T1511066	TALATHI ASAWARI	<i>Asawari</i>
55 A3	T1511067	TANNU AMEYA GANESH	
56 A3	T1511068	TATHE KRUSHNA	
57 A3	T1511069	VAIDYA SHUBHAM	<i>Shubham</i>
58 A3	T1511070	VISHWAKARMA	<i>Vishwakarma</i>
59 A3	T1511071	WAKCHAURE MUKUNDA	<i>Wakchaure</i>
Present Students Count			41

Head of Department





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NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance Sheet**

Department: Robotics & Automation Engineering

SEM: II

Academic Year: 2023-2024

Class: BE A

Date: ~~29.12.2023~~ 13/01/2024

Topic: Generative AI

Time: 10-30 am to 1:30 am

S.N.	Roll No.	Name of Students	Sign
01 A1	B1511001	ANDURE VINIT DEEPAK	
02 A1	B1511002	BAGADE SAKSHI LAXMAN	<i>Sakshi</i>
03 A1	B1511003	BAGAWA SRUSHTI	<i>Bagawale</i>
04 A1	B1511004	BAKARE AUM	
05 A1	B1511005	BHADE NAHUSH ANIL	
06 A1	B1511006	BHOSLE SAMRUDDHI	
07 A1	B1511007	BURTE RUTVIK	
08 A1	B1511008	CHAUDHARI LALIT VINOD	<i>maes</i>
09 A1	B1511009	CHAUHAN YASH	
10 A1	B1511010	CHAVAN ANIKET	
11 A1	B1511011	CHAVAN PRATHAMESH	
12 A1	B1511012	CHOWDHARY PANKAJ	<i>Pankaj Chowdhary</i>
13 A1	B1511013	DESHMUKH AACHAL	
14 A1	B1511014	DEVAKAR SHRIDATTA	<i>SD</i>
15 A1	B1511015	DHAMNE MIHIR GANESH	
16 A1	B1511016	DHOTRE DEVESH MALIK	
17 A1	B1511017	DHUMAL ROHAN	
18 A1	B1511018	GADE OM PRADEEP	
19 A1	B1511019	GAIKWAD SURAJ DHANAJI	
20 A1	B1511020	INDORE RAHUL BHASKAR	
21 A1	B1511021	JADHAV RAHUL AJIT	
22 A1	B1511022	JAGTAP ABHISHEK	<i>Abhishek Jagtap</i>
23 A1	B1511023	JAGTAP PRATHAM	
24 A1	B1511024	JAGTAP SIDDHESH PRAVIN	
25 A2	B1511025	KADU OM SANDEEP	
26 A2	B1511026	KALAMBE NINAD MILIND	
27 A2	B1511027	KALE SHRINIVAS	
28 A2	B1511028	KHEDEKAR CHETAN	
29 A2	B1511029	KSHIRSAGAR AVANTI	
30 A2	B1511030	KUTE CHAITANYA	
31 A2	B1511031	LAHAMAGE TEJAS KIRAN	<i>Tejas Lamage</i>
32 A2	B1511032	MAHENDRE VINAY	<i>Vinay Mahendre</i>
33 A2	B1511033	MALWADKAR ABHISHEK	<i>Abhishek Malwadkar</i>
34 A2	B1511034	MATE ADITI PANDURANG	
35 A2	B1511035	MORE PRAJWAL	<i>Prajwal More</i>
36 A2	B1511036	NACHAN GOKUL	
37 A2	B1511037	NAIK KHUSHI BHASKAR	
38 A2	B1511038	NAWAL SHIVAM DILIP	





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Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance Sheet**

Department: Robotics & Automation Engineering

SEM: II

Academic Year: 2023-2024

Class: BE A

Date: ~~29.12.2023~~ 13/01/2024

Topic: Generative AI

Time:

S.N.	Roll No.	Name of Students	Sign
39 A2	B1511039	NIKURE PRAJWAL	
40 A2	B1511040	PARDESHI SOURABH	<i>Sardeshi</i>
41 A2	B1511041	PATIL BHAVIKA	<i>Patil</i>
42 A2	B1511042	PATIL YASH PRABHAKAR	
43 A2	B1511043	PAWAR VRUSHAB	
44 A2	B1511044	PORE AJIT PANDURANG	
45 A2	B1511045	PRAJAPATI NILESH	<i>Nilesh Prajapati</i>
46 A2	B1511046	PUDALE RUSHIKESH	
47 A2	B1511047	RANDIVE VYANKTESH	
48 A2	B1511048	RANGATE YASH	
49 A3	B1511049	RANGREJ MUZAFFAR	
50 A3	B1511050	RASAL VAIBHAV SANJAY	<i>Rasal</i>
51 A3	B1511051	RAUT PRATIKSHA DINESH	
52 A3	B1511052	ROKADE PRANALI	
53 A3	B1511053	SABLE TUSHAR	
54 A3	B1511054	SALUNKHE VIKEE ASHOK	<i>Salunkhe</i>
55 A3	B1511055	SALUNKHE YASH AJAY	
56 A3	B1511056	SANDUPATLA ANIKET	
57 A3	B1511057	SHAH NIKUNJ	
58 A3	B1511058	SHAIKH AFAAN KHALID	
59 A3	B1511059	SHAIKH MOHAMMED	
60 A3	B1511060	SHARMA PRERNA	<i>Prerna</i>
61 A3	B1511061	SHEIKH LAYBA MAHIN	
62 A3	B1511062	SHINDE ANISHA MARUTI	<i>Anisha</i>
63 A3	B1511063	SURYAWANSHI SURAJ	
64 A3	B1511064	THORAT SRUSHTI	
65 A3	B1511065	THORAT VAISHNAVI	
66 A3	B1511066	TUKARAL ASHISH	<i>Ashish</i>
67 A3	B1511067	VASVE KAUSHAL	<i>Kaushal</i>
68 A3	B1511068	WAGHMARE LAMBODAR	
69 A3	B1511069	WAMAN YASH SHANKAR	<i>Waman</i>
70 A3	B1511070	YADAV SAHIL POPAT	
Present Students Count			20

Head of Department







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Record No.: ZCOER-ACAD/R/21

Revision: 00

Date: 01/04/2021

**Permission for Industry Expert Session**

**Department: Robotics & Automation**  
**Class: BE**

**Semester: II**  
**Div: A**

**Academic Year: 2023-2024**  
**Date: 12/01/2024**

To,  
**The Principal**  
ZCOER, Pune

Subject: Permission for scheduling an Expert Session

Respected Sir,

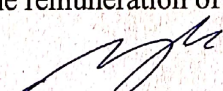
For enhancing the understanding of students about “**Startup challenges**”, It planned to schedule an Expert Session for the Program B.E. Robotics & Automation Engineering. The best suitable expert is identified for this session and the details are as given below.

<b>Name of Expert:</b>	<b>Mr. Aniruddha Gunjal</b>
<b>Designation:</b>	<b>CEO, FOUNDER</b>
<b>Organization:</b>	<b>Genesys Electric Mobility, Pune</b>
<b>Experience:</b>	<b>8 Yrs</b>
<b>Date:</b>	<b>16/01/2024</b>
<b>Time and Duration:</b>	<b>12:30 pm to 1:30 pm</b>

**Remuneration Details:**

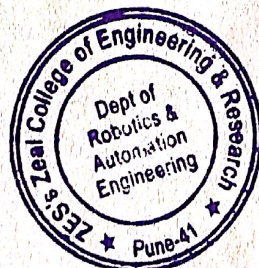
Number of Hrs. of session	Remuneration/ Hr.	Total
Nil	Nil	Nil
		Nil

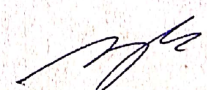
You are hereby requested to kindly permit the conduction of the above said session and sanction the remuneration of Rs. - Nil

  
Prof. Y. R. Ingole  
Course Faculty

Remark by Principal:

*Allowed & approved*  
*12/01/24*



  
Prof. Y. R. Ingole  
Head of Department

**Head of Department**  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041







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Record No.: ZCOER-ACAD/R/39

Revision: 00

Date: 01/04/2021

**Notice**

**Department: Robotics & Automation**

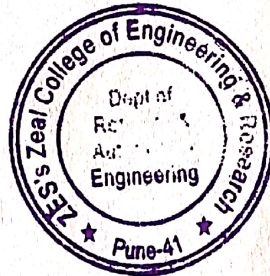
**Sem: II**

**Academic Year: 2023-2024**

**Date: 12.01.2024**

This is to inform that an Expert talk by **Mr. Aniruddha Gunjal**, CEO, FOUNDER, Genesys Electric Mobility, Pune is scheduled on Topic **"Startup challenges"** on **Tuesday 16<sup>th</sup> January, 2024 from 12:30 pm to 1:30pm.**

**Attendance is compulsory to all.**



**Prof. Y. R. Ingole**  
**Head of the Department**

**Head of Department**  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041





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NARHE | PUNE -41 | INDIA**

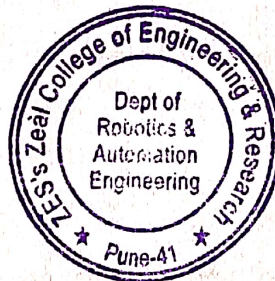


**EXPERT LECTURE CONDUCTION CERTIFICATE**

Date: 16.01.2024

To whom it may concern

Mr. Aniruddha Gunjal, CEO, FOUNDER, Genesys Electric Mobility, Pune has conducted expert lecture for Second, Third & Fourth Year Robotics & Automation Engineering students on the topic "Startup challenges", organized by Department of Robotics & Automation Engineering dated 16<sup>th</sup> Jan 2024 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe , Pune -41, India.



Prof. Y. R. Ingole  
Head of Department

**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041





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ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
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**Letter of Thanks**

Date: 16.01.2024

To,

**Mr. Aniruddha Gunjal,  
CEO, FOUNDER,  
Genesys Electric Mobility, Pune**

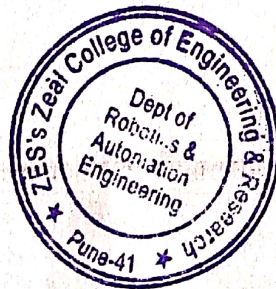
**Subject:** Letter of Thanks.

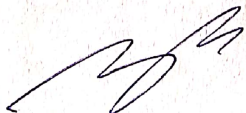
The Zeal Education Society's ZCOER would like to thank you for enlighten us on one of the emerging topic. Your talk on about about "Startup challenges" was one of the new technologies studied by our students. It was an honor for Zeal College of Engineering and Research to have you as our resourceful eminent speaker.

We believe that the knowledge you have shared will help immensely in the development of the students and eventually translate into better future for them.

We know that your time is precious, and we are grateful you shared some of it with us. We look forward to getting more time from your side to arrange such seminars in future.

Again, thank you so much. We hope to see you soon again.



  
Prof. Y. R. Ingole  
Head of Department

**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041







**ZEAL EDUCATION SOCIETY'S**  
**ZEAL COLLEGE OF ENGINEERING AND RESEARCH**  
**NARHE | PUNE -41 | INDIA**



Record No.: ACAD/R/21B

Revision: 00

Date: 01/04/2021

**Industry Expert/ Guest Faculty Session Feedback Analysis**

Department: Robotics & Automation

Academic Year: 2023-2024

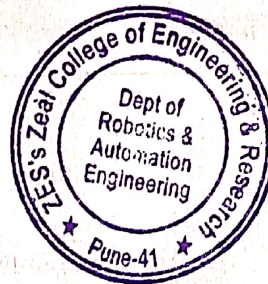
Semester: II

Date: 16.01.2024

Name of Expert/ Guest: Mr. Aniruddha Gunjal

Sr. No.	Attribute	No. of responses	Marks	
			Obtained	%
1	How would you rate the content of the session?	31	141	91
2	How would you rate the knowledge of the guest for the session?		143	92
3	How would you rate the content delivery method of the guest for the session?		140	90
4	How would you rate the management of the session?		133	86
5	Do you think the content of the session added to your knowledge?		143	92

Feedback Coordinator



H.O.D.

**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041







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NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance Sheet**

Department: Robotics & Automation Engineering

SEM: II

Academic Year: 2023-2024

Class: SE

Date: 16.01.2024

Topic: Startup challenges

Time: 12:45 pm to 2:00 pm

S.N.	Roll No.	Name of Students	Sign
01	13	Purva Thopate	
02	75	Pranjal Sate	
03	37	Neha Jagtap	
04	18	Priyanka Dandurante	
05	60	Tanmay P. Patil	
06	17	Nikhil D. Bharkade	
07	24	Riya R. More	
08	14	Sahil D. Nikam	
09	38	Seeya Kudale	
10	56	Sarong Parkhi	
11	45	Jash Jewale	
12	31	Chaitanya Bante	
13	09	Devanshu Nagmode	
14	08	Sanika Manoj Shete	
15	28	Aditya Singla	
16	02	Vivek Kerpse	
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ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance Sheet**

Department: Robotics & Automation Engineering

SEM: II

Academic Year: 2023-2024

Class: TE

Date: 16.01.2024

Topic: Startup challenges

Time: 12:45 pm to 2:00 pm

S.N.	Roll No.	Name of Students	Sign
01	T1511028	Jori Manav Agay	<i>Jori</i>
02	T1511033	Katkar Aditya Manoj	<i>Aditya</i>
03	T1511008	Bodake Saurabh Dnyaneshwar	<i>Bodake</i>
04	T1511036	Fsa Loni	<i>Loni</i>
05	T1511030	Kale Atharva Shivaji	<i>Atharva</i>
06	T1511050	Patil Varad Vinod	<i>Varad</i>
07	T1511021	Trholap Tejas Bhaizavanath	<i>Trholap</i>
08	T1511019	Prannay Ati Chaitwad	<i>Prannay</i>
09	T1511037	Dmkar Magore	<i>Magore</i>
10	T1511070	Ghubham Vishwakarma	<i>Ghubham</i>
11	T1511007	Aryan Bijay	<i>Aryan</i>
12	T1511005	Yash Bhaskar	<i>Yash</i>
13	T1511054	Gajendharich Jaydeep salunkhe	<i>Gajendharich</i>
14	T1511055	Lalit Vivekanand sarode	<i>Lalit</i>
15	T1511048	Panchal Sandhya	<i>Sandhya</i>
16	T1511065	Aryan .R. Sutar	<i>Aryan</i>
17	T1511020	Vaibhavi A. Ghadage	<i>Ghadage</i>
18	T1511039	Rutuja G Mondavkar	<i>Rutuja</i>
19	T1511062	Rushikesh N. Shinde	<i>Shinde</i>
20	T1511060	Rohay . R. Shelar	<i>Shelar</i>
21	T1511042	Abhijeet S. More	<i>Abhijeet</i>
22	T1511024	Vishwaraj Tadhar	<i>Vishwaraj</i>





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NARHE | PUNE -41 | INDIA



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

Expert Session Attendance Sheet

Department: Robotics & Automation Engineering

SEM: II

Academic Year: 2023-2024

Class: TE

Date: 16.01.2024

Topic: Startup challenges.

Time:

S.N.	Roll No.	Name of Students	Sign
23	T1511069	Shubham Santosh Vaidya	
24			
25			
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Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance Sheet**

Department: Robotics & Automation Engineering

SEM: II

Academic Year: 2023-2024

Class: BE

Date: 16.01.2024

Topic: *Startup challenges*

Time: *12:45 pm to 2:00 pm*

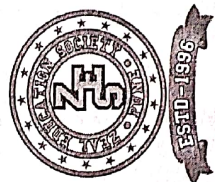
S.N.	Roll No.	Name of Students	Sign
01	B1511057	Nikunj . C. Shah	<i>N. Shah</i>
02	B1511070	Satish . Yachar	<i>S. Yachar</i>
03	B1511005	Nahush Bhade	<i>N. Bhade</i>
04	B1511018	Om Gade	<i>O. Gade</i>
05	B1511033	Abhishek malwadkar	<i>A. Malwadkar</i>
06	B1511002	Sakshi Bagade	<i>S. Bagade</i>
07	B1511041	Bhavika Patil	<i>B. Patil</i>
08	B1511022	Abhishek Jagtap	<i>A. Jagtap</i>
09	B1511024	Siddhesh Pravin Jagtap	<i>S. Jagtap</i>
10	B1511064	SRUSHTI SADANAND THORAT	<i>S. Thorat</i>
11	B1511051	Pratiksha Dinesh Raut	<i>P. D. Raut</i>
12	B1511034	Aditi Mate	<i>A. Mate</i>
13	B1511030	Chaitanya Kute	<i>C. Kute</i>
14	B1511059	Zaib Shaikh	<i>M. Zaib</i>
15	B1511011	Prathamesh . Chavan	<i>P. Chavan</i>
16	B1511028	Chetan Santosh Khedekar	<i>C. Khedekar</i>
17			
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21			
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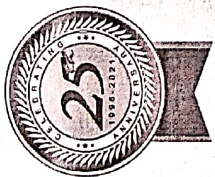








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**ZEAL COLLEGE OF ENGINEERING & RESEARCH**  
**DEPARTMENT OF ROBOTICS AND AUTOMATION**

**Organizes Expert Session on**

**On the occasion of 'NATIONAL STARTUP DAY'**

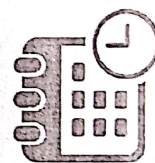


**Mr. Anirudha Gunjal**  
CEO, Founder  
GENESYS Electric Mobility,  
Shivane, Pune-411023

# STARTUP CHALLENGES

Targeted Student:  
**TE & BE**

**Robotics & Automation Engineering**



**Tuesday, 16<sup>th</sup> January 2024**  
**12:30 pm to 01:30 pm**





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ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R/39

Revision: 00

Date: 01/04/2021

**Notice**

Department: Robotics & Automation

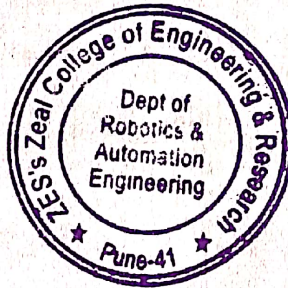
Sem: II

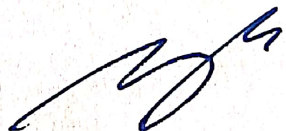
Academic Year: 2023-2024

Date: 11.01.2024



This is to inform that an Expert talk by **Dr. Pranav Lad**, Senior Customer Success Engineer, MathWorks, Pune is scheduled on Topic **"Introduction to mobile Robot-Navigation and Path planning using MATLAB"** on Friday 19<sup>th</sup> January, 2024 from 12:30 pm to 3:30pm.

Attendance is compulsory to all.



  
Prof. Y. R. Ingole  
Head of the Department



	<b>ZEAL EDUCATION SOCIETY'S</b> <b>ZEAL COLLEGE OF ENGINEERING AND</b> <b>RESEARCH</b> <b>NARHE   PUNE -41   INDIA</b>	
Record No.: ZCOER-ACAD/R	Revision: 00	Date: 01/04/2021

<b>Expert Session One Page Report</b>
---------------------------------------

Date: 19.01.2024

To,  
The H.O.D.  
Robotics & Automation Engineering Department,  
ZCOER, Narhe.

**Subject:** Report of Hands-on session conducted on topic “Introduction to Mobile Robot – Navigation & Path Planning using MATLAB” at ZCOER, Narhe.

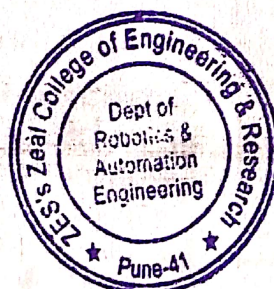
Respected Sir,

With reference to above mentioned subject, I would like to inform you that **Dr. Pranav Lad, Senior Customer Success Engineer, MathWorks, Pune** has successfully conducted a hands-on session for the TE and BE student on the topic “Introduction to Mobile Robot – Navigation & Path Planning using MATLAB”. 35 students of TE and BE were present for this session and the session was very interesting and interactive, **Dr. Pranav Lad** conducted hands on session using different navigation tools in MATLAB.

**Topics discussed during lecture:**

Sr. No	Contents Covered	POs Mapping to the Contents
1	<p>The Session was planned for students to have Hands-on session for Mobile Robot – Navigation &amp; Path Planning.</p> <p>Dr. Pranav Lad shared valuable information about Mobile Robot – Navigation &amp; Path Planning and demonstrated the same with many applications.</p> <p>The session covered</p> <ol style="list-style-type: none"> <li>1. ROS tool box for navigation,</li> <li>2. Dynamic maps using Differential drive for motion control using Kinematic modeling</li> <li>3. DC motor using PID controller</li> </ol>	<p>PO1, PO2,  PO3, PO4, PO5,  PO7, PO9,  PO10, PO11,  PO12, PSO1,  PSO2, PSO3</p>

Thanking You,



Yours Sincerely,  
Prof. Sayali S. Dhumal





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RESEARCH  
NARHE | PUNE -41 | INDIA**

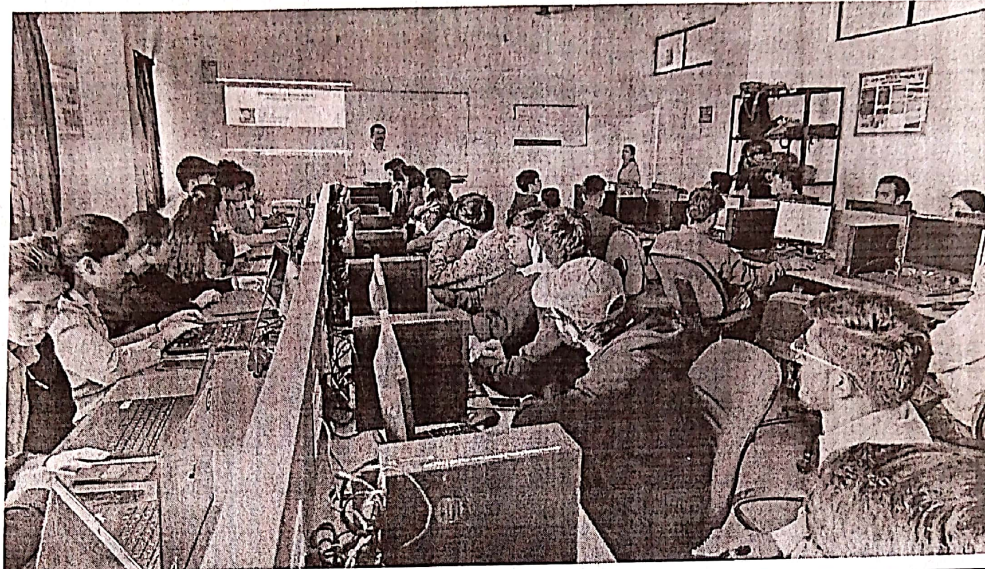


Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Photographs/Screen shots:**



Expert speaker Dr. Pranav Lad conducted hands on session on Introduction to Mobile Robot - Navigation & Path Planning using MATLAB for BE and TE students dated 19.01.2024.  
Total count of students : 35





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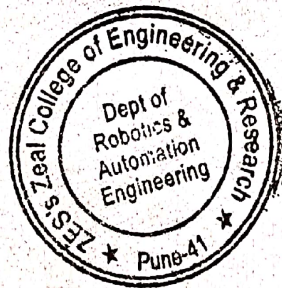


EXPERT LECTURE CONDUCTION CERTIFICATE

Date: 19/01/2024

To whom it may concern

Dr. Pranav Lad, Senior Customer Success Engineer, Mechanical Engineering, Math Works, Pune has conducted expert lecture for Third & Fourth Year Robotics & Automation Engineering students on the topic "Introduction to mobile Robot-Navigation and Path planning using MATLAB", organized by Department of Robotics & Automation Engineering dated 19<sup>th</sup> January 2024 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe, Pune -41, India.



Prof. Y. R. Ingole  
Head of Department

Head of Department  
Dept. of Robotics & Automation En  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041

P.R. Lad  
19.01.2024







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NARHE | PUNE -41 | INDIA**



**Letter of Thanks**

Date: 19/01/2024

To,  
**Dr. Pranav Lad**  
**Mechanical Engineer,**  
**Senior Customer Success Engineer,**  
**Math Works, Pune**

**Subject:** Letter of Thanks.

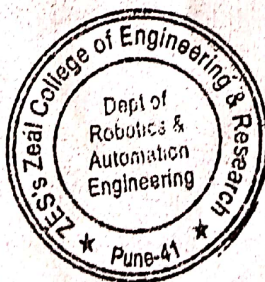
The Zeal Education Society's ZCOER would like to thank you for enlighten us on one of the emerging topic. Your talk on about about "**Introduction to mobile Robot-Navigation and Path planning using MATLAB**", was one of the new technologies studied by our students. It was an honor for Zeal College of Engineering and Research to have you as our resourceful eminent speaker.

We believe that the knowledge you have shared will help immensely in the development of the students and eventually translate into better future for them.

We know that your time is precious, and we are grateful you shared some of it with us. We look forward to getting more time from your side to arrange such seminars in future.

Again, thank you so much. We hope to see you soon again.

*P. R. Ingole*  
19.01.2024



**Prof. Y. R. Ingole**

**Head of Department**  
**Head of Department**  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041







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Record No.: ACAD/R/21B

Revision: 00

Date:01/04/2021

Industry Expert/ Guest Faculty Session Feedback Analysis

Department: Robotics & Automation

Academic Year: 2023-2024

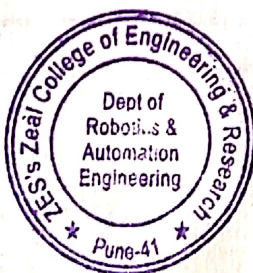
Semester: II

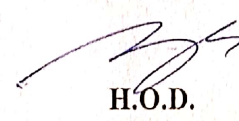
Date: 19.01.2024

Name of Expert/ Guest:Mr. Dr. Pranav Lad

Sr. No.	Attribute	No. of responses	Marks	
			Obtained	%
1	How would you rate the content of the session?	31	130	84
2	How would you rate the knowledge of the guest for the session?		134	86
3	How would you rate the content delivery method of the guest for the session?		130	84
4	How would you rate the management of the session?		128	83
5	Do you think the content of the session added to your knowledge?		148	95

  
Feedback Coordinator



  
H.O.D.  
**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
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Narhe, Pune-411041





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Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance Sheet**

Department: Robotics & Automation Engineering SEM: II Academic Year: 2023-2024

Topic: Mobile Robot Navigation & motion

Date: 19.01.2024

Path Planning

Time: 12:30 to 02:30 pm

S.N.	Class	Roll No.	Name of Students	Sign
01	BE	B1511033	Abhishek. Y. Malwadkar	
02	B.E	B1511030	Kule chaitanya vithal	
03	TE	T1511054	Gajendrasinh S. Solunkhe	
04	TE	T1511027	Abhishek D. Joshi	
05	BE	B1511051	Pratiksha D. Raut	
06	BE	B1511003	Smriti C. Bagawe	
07	BE	B1511064	Smriti S. Thorat	
08	B.E.	B1511041	Bhavika T. Patil	
09	B.E.	B1511062	Anisha Shinde	
10	T.E.	T1511019	Prammay Gaikwad	
11	T.E	T1511011	Levin Vincent	
12	T.E.	T1511007	<del>Anjan Bhoj</del>	<del></del>
13	T.E	T1511045	Aniket S. Nikam	
14	T.E	T1511008	Jyoti Saurabh Dnyaneshwar	
15	T.E	T1511060	Rohan. R. Shelar	
16	T.E	T1511030	Ashwini S. Kale	
17	T.E	T1511036	Esa Loni	
18	T.E	T1511037	<del>Ankur Nagar</del>	<del></del>
19	T.E	T1511035	<del>Anag. Lokhande</del>	<del></del>
20	B.E	B1511022	Abhishek Jagtap	
21	B.E	B1511019	Suraj Gaikwad	
22	T.E	T1511033	Aditya Karkar	





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Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance Sheet**

Department: Robotics &amp; Automation Engineering

SEM: II

Academic Year: 2023-2024

Topic:

Date: 19.01.2024

Time: 12:30 to 02:30 pm

S.N.	Class	Roll No.	Name of Students	Sign
23	TE	T1511065	Aryan R. Sutar	
24	TE	T1511048	Panchal Sandhya	
25	ITE	T1511022	Samliya Inamdar	
26	TE	T1511020	Vaibhavi Ghadage	
27	TE	T1511021	Tejas Gholap	
28	TE	T1511034	Avantika Koli	
29	TE	T1511040	Adityakant Mehta	
30	TE	T1511039	Rutuja Mandavkar	
31	TE	T1511029	Soni Manav Ajay	
32	TE	T1511038	Yash Mahamuni	
33	TE	T1511046	Sanika. Sunil. Paigude	
34	BE.	B1511039	Aditi P. Mate	
35	BE	B1511059	Moh. Zein Shaikh	
36	TE	T1511035	<del>Amey Lokhande</del>	<del></del>
37	TE	T1511066	<del>Tatathi Asawari</del>	<del></del>
38	TE	T151104	<del>Sushant more</del>	<del></del>
39	BE	B1511057	Nikunj Shah	
40	BE	B1511070	Soelil Yachar	
41	TE	T1511049	Omkar Parab	
42				
43			Total count	35
44				





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Record No.: ZCOER-ACAD/R/21

Revision: 00

Date: 01/04/2021

**Permission for Industry Expert Session**

Department: Robotics & Automation  
Class: BE

Semester: II  
Div: A

Academic Year: 2023-2024  
Date: 31/01/2024

To,  
**The Principal**  
ZCOER, Pune

Subject: Permission for scheduling an Expert Session

Respected Sir,


For enhancing the understanding of students about “**Entrepreneurship Development**” It planned to schedule an Expert Session for the Program B.E. Robotics & Automation Engineering. The best suitable expert is identified for this session and the details are as given below.

<b>Name of Expert:</b>	Mrs. Bhagyashri Vathare
<b>Designation:</b>	Senior Consultant
<b>Organization:</b>	NITI Aayog, Government Training Center, Pune.
<b>Experience:</b>	15 Yrs
<b>Date:</b>	1/02/2024
<b>Time and Duration:</b>	9:00 am to 1:00pm

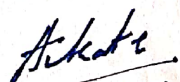
**Remuneration Details:**

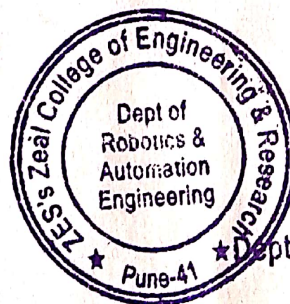
Number of Hrs. of session	Remuneration/ Hr.	Total
Nil	Nil	Nil
		Nil

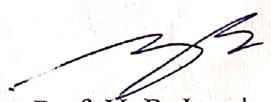
You are hereby requested to kindly permit the conduction of the above said session and sanction the remuneration of Rs. - Nil

  
Prof. M.C. Chavan  
Course Faculty

Remark by Principal:

  
31/01/2024



  
Prof. Y. R. Ingole  
Head of Department  
**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041







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Record No.: ZCOER-ACAD/R/39

Revision: 00

Date: 01/04/2021

**Notice**

**Department: Robotics & Automation**

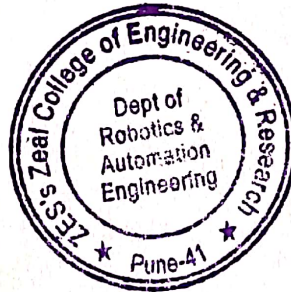
**Sem: II**

**Academic Year: 2023-2024**

**Date: 31.01.2024**

This is to inform that an Expert talk by Mrs. Bhagyashri Vathare, Senior Consultant, NITI Aayog, Government Training Center, Pune is scheduled on Topic "Entrepreneurship Development" on Thursday 1<sup>st</sup> Feb, 2024 from 9:00 am to 1:00pm.

**Attendance is compulsory to all.**



**Prof. Y. R. Ingole**  
**Head of the Department**  
**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
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Narhe, Pune-411041





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Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session One Page Report**

Date: 01.02.2024

To,  
The H.O.D.  
Robotics & Automation Engineering Department,  
ZCOER, Narhe.

**Subject:** Report of Expert session conducted on topic “**Entrepreneurship**”(In association with Indo German Tool Room (MSEM), at ZCOER, Narhe.

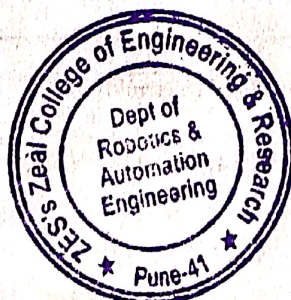
Respected Sir,

With reference to above mentioned subject, I would like to inform you that **Ms. Bhagyashri Vathare, Senior Consultant at NITI Ayog , Pune** has successfully conducted a session for the Final Year student on the topic “**Entrepreneurship Awareness**”. Students of B.E. were present for this session and the session was very interesting and interactive, **Mrs. Bhagyashri Vathare** conducted session on various topics related to Entrepreneurship.

**Topics discussed during lecture:**

Sr. No	Contents Covered	POs Mapping to the Contents
1	<p>The Session was planned for BE students to have information and brief knowledge on Different topics</p> <ol style="list-style-type: none"><li>1. SWOT Analysis, Market Analysis</li><li>2. Need of self-employment</li><li>3. Entrepreneurship: What, How, Why?</li><li>4. Risk Taking Behavior</li><li>5. Govt. Scheme to promote Entrepreneurship</li></ol> <p>Mrs. Bhagyashri Vathare shared valuable information about different topic which are important while becoming an Entrepreneur .</p>	<p>PO1, PO2, PO3, PO4, PO5, PO7, PO9, PO10, PO11, PO12, PSO1, PSO2, PSO3</p>

Thanking You,



Yours Sincerely,  
Prof. Devendra N. Chaudhari







**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND  
RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021



Expert speaker Mrs. Bhagyashri Vathare conducted Expert session on "Entrepreneurship Awareness" for TE students dated 01.02.2024 , total student count 51.







ZEAL EDUCATION SOCIETY'S  
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NARHE | PUNE -41 | INDIA

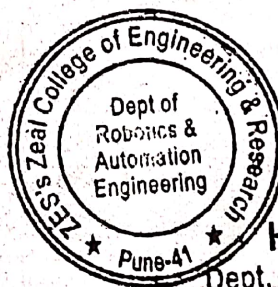



EXPERT LECTURE CONDUCTION CERTIFICATE

Date: 1.02.2024

To whom it may concern

Mrs. Bhagyashri Vathare, Senior Consultant, NITI Aayog, Government Training Center, Pune has conducted expert lecture for Fourth Year Robotics & Automation Engineering students on the topic "Entrepreneurship Development" organized by Department of Robotics & Automation Engineering dated 1<sup>st</sup> Feb 2024 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe, Pune -41, India.



  
Prof. Y. R. Ingole  
Head of Department  
**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041

Received

Bhagyashri Vathare

BSVathare

1/02/2024







ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA



Letter of Thanks

Date: 1.02.2024

To,  
Mrs. Bhagyashri Vathare  
Senior Consultant,  
NITI Aayog,  
Government Training Center, Pune.

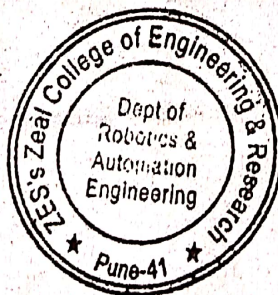
Subject: Letter of Thanks.

The Zeal Education Society's ZCOER would like to thank you for enlighten us on one of the emerging topic. Your talk on about "Entrepreneurship Development" was one of the new technologies studied by our students. It was an honor for Zeal College of Engineering and Research to have you as our resourceful eminent speaker.

We believe that the knowledge you have shared will help immensely in the development of the students and eventually translate into better future for them.


We know that your time is precious, and we are grateful you shared some of it with us. We look forward to getting more time from your side to arrange such seminars in future.

Again, thank you so much. We hope to see you soon again.



Received

B. Vathare  
1/02/2024

  
Prof. Y. R. Ingole  
Head of Department  
Head of Department  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041







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ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Awareness Program Attendance Sheet**

Department: Robotics & Automation Engineering SEM: II Academic Year: 2023-2024

Class: BE A

Date: 01, 02, 2024

Time: 10:15 to 02:15 pm

One Day Workshop on "Entrepreneurship Awareness"

Learning Objectives : Students are able to

01



02

S.N.	Class	Roll No.	Name of Students	Sign
01	BE	B1511060	Prerna Yogesh Sharma	
02	BE	B1511057	Nikunj C. Shah	
03	BE	B1511024	Siddhesh Pravin Jagtap	
04	BE	B1511005	Narush Bhade	
05	BE	B1511001	Vinit Andure	
06	BE	B1511018	Om Gade	
07	BE	B1511033	Abhishek Mahawadkar	
08	BE	B1511002	Sakshi Pagade	
09	BE	B1511070	Sahil Yadav	
10	TE	T1511071	Wakhaure Mukunda	
11	TE	T1511019	Gaikwad Sachin	
12	BE	B1511031	Lahamap Tejas	
13	BE	B1511067	Vasve Koushal B.	
14	BE	B1511016	Devesh Manoj Dhole	
15	TE	T1511049	Omkar Yogesh Parab	
16	TE	T1511057	Aman Ulfan Sheikh	
17	BE	B1511046	Rushikesh N. Pundale	
18	BE	B1511032	Vinay Ganesh Mahondre	
19	BE	B1511014	Devakar Shridatta Madhukar	
20	BE	B1511053	Jushar Sable	
21	BE	B1511048	Yash Rangate	
22	BE	B1511027	Shrinivas Kale	
23	BE	B1511035	Prajwal More	
24	BE	B1511042	Yash P. Patil	
25	BE	B1511039	Prajwal D. Niture	
26	TE	T1511046	Yash Mahamuni	
27	TE	T1511033	Aditya Katkar	
28	TE	T1511004	Pranali Bhanbhan	
29	TE	T1511012	Omkar Chavan	
30	TE	T1511043	Rahul More	
31	TE	T1511045	NIKAM ANIKET SAHTOSH	
32	BE	B1511007	Rutvik Mahendra Bute	
33	BE	B1511026	Kalamke Vinod Mahesh	
34	BE	B1511017	Dhawal Rohan Vinayak	
35	BE	B1511023	Jagtap Pratham Gopinath	







	<b>ZEAL EDUCATION SOCIETY'S</b> <b>ZEAL COLLEGE OF ENGINEERING AND RESEARCH</b> <b>NARHE   PUNE -41   INDIA</b>	
Record No.: ZCOER-ACAD/R/21	Revision: 00	Date: 01/04/2021

**Permission for Expert Session**

Department: Robotics & Automation  
Class: BE & SE

Semester: II  
Div: A

Academic Year: 2023-2024  
Date: 06.02.2024

To,  
The Principal  
ZCOER, Pune

Subject: Permission for scheduling an Expert Session

Respected Sir,


For enhancing the understanding of students about "Resume Building and Soft Skill Development for Interview Preparation", is planned to schedule an Expert Session for the Program B.E. & S.E. Robotics & Automation Engineering. The best suitable expert is identified for this session and the details are as given below.

Name of Expert:	Mrs. Ankita Dudhani
Designation:	CA
Organization:	Freelancer, Trainer and Consultant
Experience:	08 Yrs
Date:	06/02/2024
Time and Duration:	10:15 am to 12:15 pm

**Remuneration Details:**

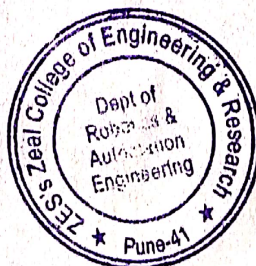
Number of Hrs. of session	Remuneration/ Hr.	Total
2 Hrs	NIL	NIL
(In Words: NIL)		

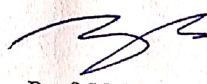
You are hereby requested to kindly permit the conduction of the above said session and sanction the remuneration of Rs. NIL

  
 Prof. Sayali Dhumal  
 Course Faculty

Remark by Principal:

*Allowed & Approved*  
*Ank*  
*06/02/24*



  
 Prof. Y. R. Ingole  
 Head of Department  
 Dept. of Robotics & Automation Engg  
 ZES's Zeal College of  
 Engineering & Research  
 Narhe, Pune-411041





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ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R/39

Revision: 00

Date: 01/04/2021

**Notice**

**Department: Robotics & Automation**

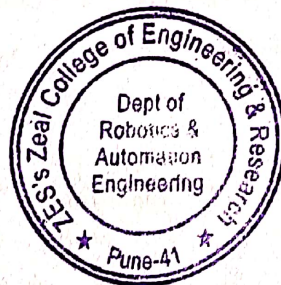
**Sem: II**

**Academic Year: 2023-2024**

**Date: 05.02.2024**

This is to inform that an Expert talk by **Mrs. Ankita Dudhani, CA, Freelancer, Trainer and Consultant, Pune** is scheduled on Topic **"Resume Building and Soft Skill Development for Interview Preparation"** on **Tuesday 6<sup>th</sup> Feb, 2024** from **10:15 am to 12:15pm**.

**Attendance is compulsory to all.**



**Prof. Y. R. Ingole**

**Head of the Department**

**Head of Department\***

**Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041**







**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND  
RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Training and Placement Session One Page Report**

Date: 06.02.2024

To,  
The H.O.D.  
Robotics & Automation Engineering Department,  
ZCOER, Narhe.

**Subject:** Report of Expert session conducted on topic **“Resume building And Soft skill Development For Interview Preparation”**(In association with T&P Cell, ZCOER) , at ZCOER, Narhe.

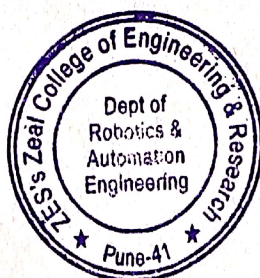
Respected Sir,

With reference to above mentioned subject, I would like to inform you that **Mrs. Ankita Dudhani**, (CA, Freelancer ,Trainer & Consultant ) has successfully conducted a session for the Final Year student on the topic **“Resume building And Soft skill Development For Interview Preparation”**. Students of B.E. were present for this session and the session was very interesting and interactive, **Mrs. Ankita Dudhani** conducted session on various topics related to company's Selection, Resume shortlisting Process, Required Skills, etc.

**Topics discussed during lecture:**

Sr. No	Contents Covered	POs Mapping to the Contents
1	<p>The Session was planned for BE students so that they able to build Resume and Develop the Soft skills like</p> <ol style="list-style-type: none"><li>1. Communication skill</li><li>2. Team Work</li><li>3. Group discussion ,Interview Preparation</li><li>4. Mail Communication Skill</li></ol> <p>Mrs. Ankita Dudhani shared valuable information about different topic Through Fun Activity which are important for any Student while Working with Firm.</p>	<p>PO1, PO2, PO3, PO4, PO5, PO7, PO9, PO10, PO11, PO12, PSO1, PSO2, PSO3</p>

Thanking You,



Yours Sincerely,  
Prof. Devendra N. Chaudhari  
(Dept. T&P coordinator)







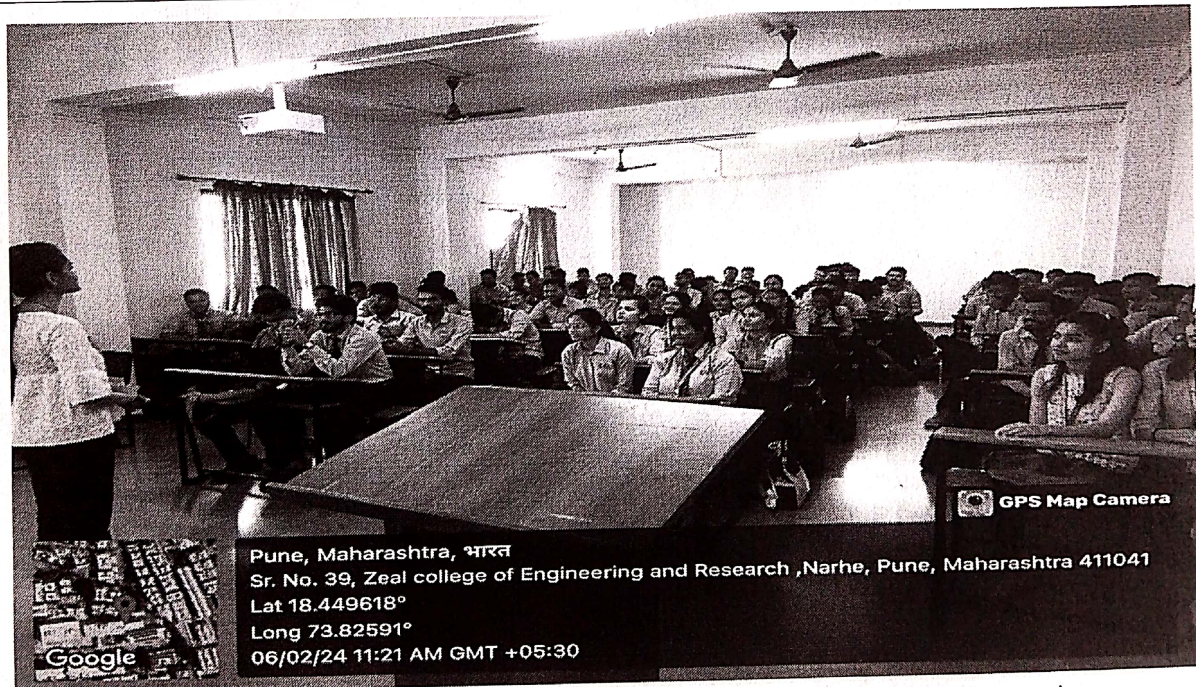
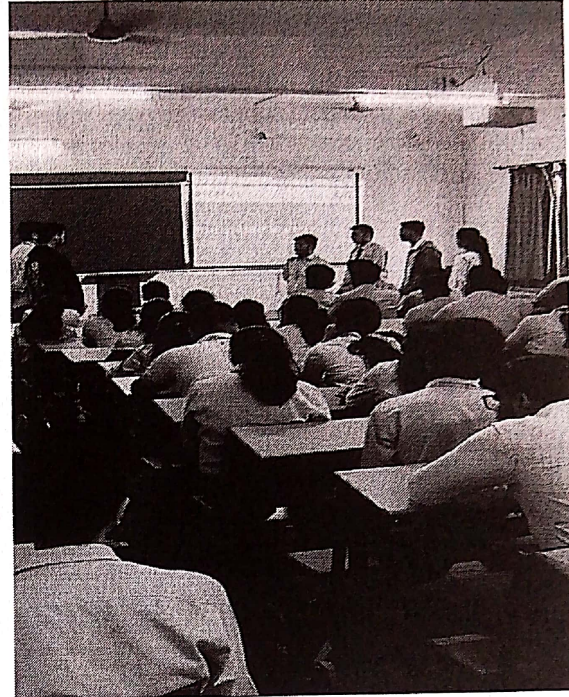
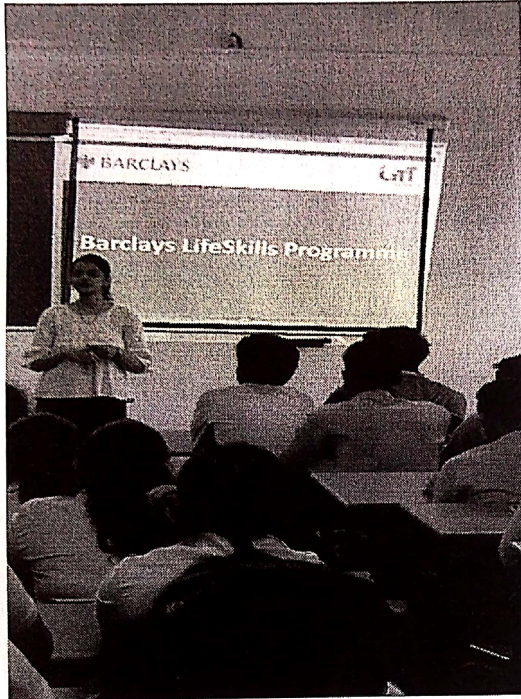
**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND  
RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R



Revision: 00

Date:01/04/2021



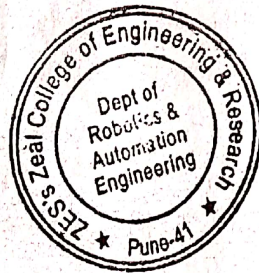
Mrs.Ankita Dudhani (CA, Freelancer ,Trainer & Consultant ),C onducted Expert session on  
“Resume building And Soft skill Development For Interview Preparation”for BE students dated  
06.02.2024 .

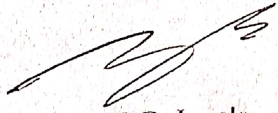


	<b>ZEAL EDUCATION SOCIETY'S</b> <b>ZEAL COLLEGE OF ENGINEERING AND RESEARCH</b> <b>NARHE   PUNE -41   INDIA</b> <b>DEPARTMENT OF ROBOTICS &amp; AUTOMATION</b>	
<b>EXPERT SESSION CONDUCTION CERTIFICATE</b>		
Date: 06/02/2024		

To whom it may concern

Mrs. Ankita Dudhani, CA, Freelancer, Trainer and Consultant has conducted an expert session for Final Year and Second Year Robotics & Automation Engineering students on the topic "Resume Building and Soft Skill Development for Interview Preparation" organized by Department of Robotics & Automation Engineering dated 06<sup>th</sup> February 2024 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe, Pune -41, India.

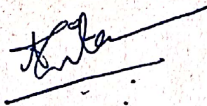


  
Prof. Y. R. Ingole  
Head of Department  
**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041



Received

Ankita Dudhani

06/02/24





	<p style="text-align: center;"><b>ZEAL EDUCATION SOCIETY'S</b> <b>ZEAL COLLEGE OF ENGINEERING AND RESEARCH</b> <b>NARHE   PUNE -41   INDIA</b> <b>DEPARTMENT OF ROBOTICS &amp; AUTOMATION</b></p>	
<b>Letter of Thanks</b>		

Date: 06/02/2024

To,

Mrs. Ankita Dudhani,  
CA, Freelancer,  
Trainer and Consultant


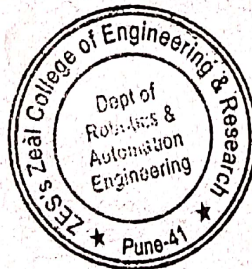
**Subject:** Letter of Thanks.

The Zeal Education Society's ZCOER would like to thank you for enlighten us on one of the emerging topic. Your talk on about "Resume Building and Soft Skill Development for Interview Preparation" was very helpful for our students. It was an honor for Zeal College of Engineering and Research to have you as our resourceful eminent speaker.

We believe that the knowledge you have shared will help immensely in the development of the student and eventually translate into better future for them.

We know that your time is precious, and we are grateful you shared some of it with us. We look forward to getting more time from your side to arrange such seminars in future.

Again, thank you so much. We hope to see you soon again.

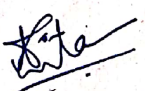


Prof. Y. R. Ingole

Head of Department

**Head of Department**

Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041

Received  
Ankita Dudhani  
06/02/2024  






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**ZEAL COLLEGE OF ENGINEERING AND RESEARCH**  
**NARHE | PUNE -41 | INDIA**



Record No.: ACAD/R/21B	Revision: 00	Date: 01/04/2021
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**Industry Expert/ Guest Faculty Session Feedback Analysis**

Department: Robotics & Automation

Academic Year: 2023-2024

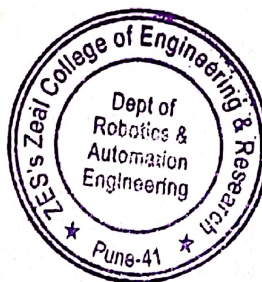
Semester: II


Date: 06.02.2024

Name of Expert/ Guest: Mrs. Ankita Dudhani

Sr. No.	Attribute	No. of responses	Marks	
			Obtained	%
1	How would you rate the content of the session?	51	224	88
2	How would you rate the knowledge of the guest for the session?		220	86
3	How would you rate the content delivery method of the guest for the session?		224	88
4	How would you rate the management of the session?		217	85
5	Do you think the content of the session added to your knowledge?		245	96

  
Feedback Coordinator



  
H.O.D.  
**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041





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ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA



Record No.: ZCOER-ACAD/R/21

Revision: 00

Date: 01/04/2021

Permission for Industry Expert Session

Department: Robotics & Automation  
Class: SE & BE

Semester: II  
Div: A

Academic Year: 2023-2024  
Date: 24.02.2024

To,  
The Principal  
ZCOER, Pune

Subject: Permission for scheduling an Expert Session

Respected Sir,

For enhancing the understanding of students about "Entrepreneurship Development" It planned to schedule an Expert Session for the Program S.E.&B.E. Robotics & Automation Engineering. The best suitable expert is identified for this session and the details are as given below.

Name of Expert:	Mr. Nilesh Sabe
Designation:	CEO & Founder
Organization:	SwiftNlift Company, Pune.
Experience:	08 Yrs
Date:	26.02.2024
Time and Duration:	11:15 am to 12:30pm

Remuneration Details:

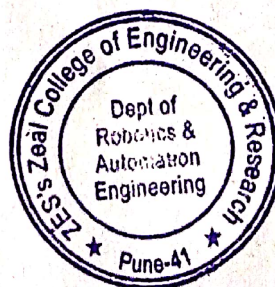
Number of Hrs. of session	Remuneration/ Hr.	Total
Nil	Nil	Nil

You are hereby requested to kindly permit the conduction of the above said session and sanction the remuneration of Rs. - Nil

Prof. M.C. Chavan  
Course Faculty

Remark by Principal:

Approved &  
Filed  
24/02/24



Prof. Y. R. Ingole  
Head of Department  
Head of Department  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041





**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R/39

Revision: 00

Date: 01/04/2021

**Notice**

**Department: Robotics & Automation**

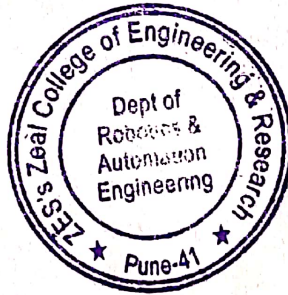
**Sem: II**

**Academic Year: 2023-2024**

**Date: 24.02.2024**

This is to inform that an Expert talk by **Mr. Nilesh Sabe, CEO & Founder, SwiftNlift Company, Pune** is scheduled on Topic **"Entrepreneurship Development"** on **Monday 26<sup>th</sup> Feb, 2024 from 11:15 am to 12:30 pm**



**Attendance is compulsory to all.**



**Prof. Y. R. Ingole  
Head of the Department**

**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041



	<b>ZEAL EDUCATION SOCIETY'S</b> <b>ZEAL COLLEGE OF ENGINEERING AND</b> <b>RESEARCH</b> <b>NARHE   PUNE -41   INDIA</b>	
Record No.: ZCOER-ACAD/R	Revision: 00	Date: 01/04/2021

**Expert Session One Page Report**

Date: 26.02.2024

To,  
The H.O.D.  
Robotics & Automation Engineering Department,  
ZCOER, Narhe.

**Subject:-** Report of Expert session conducted on topic “Entrepreneurship Development”, at ZCOER, Narhe.

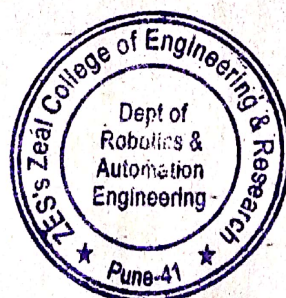
Respected Sir,


With reference to above mentioned subject, I would like to inform you that **Mr. Nilesh Sabe, CEO & Founder, SwiftNlift Company, Pune** has successfully conducted a session for the Second & Final Year student on the topic “Entrepreneurship Development”. Students of S.E. & B.E. were present for this session and the session was very interesting and interactive, **Mr. Nilesh Sabe** conducted session on various topics related to Entrepreneurship.

**Topics discussed during lecture:**

Sr. No.	Contents Covered	POs Mapping to the Contents
1	<p>The Session was planned for SE &amp; BE students to have information and brief knowledge on Different topics</p> <ol style="list-style-type: none"> <li>1. Development of idea</li> <li>2. Decision making</li> <li>3. Finances available</li> <li>4. Find and Understanding market, set Goal</li> </ol> <p><b>Mr. Nilesh Sabe</b> shared valuable information about different topic which are important while becoming an Entrepreneur .</p>	<p>PO1, PO2, PO3, PO4, PO5, PO7, PO9, PO10, PO11, PO12, PSO1, PSO2, PSO3</p>

Thanking You.



  
 Yours Sincerely,  
 Prof. Devendra N. Chaudhari





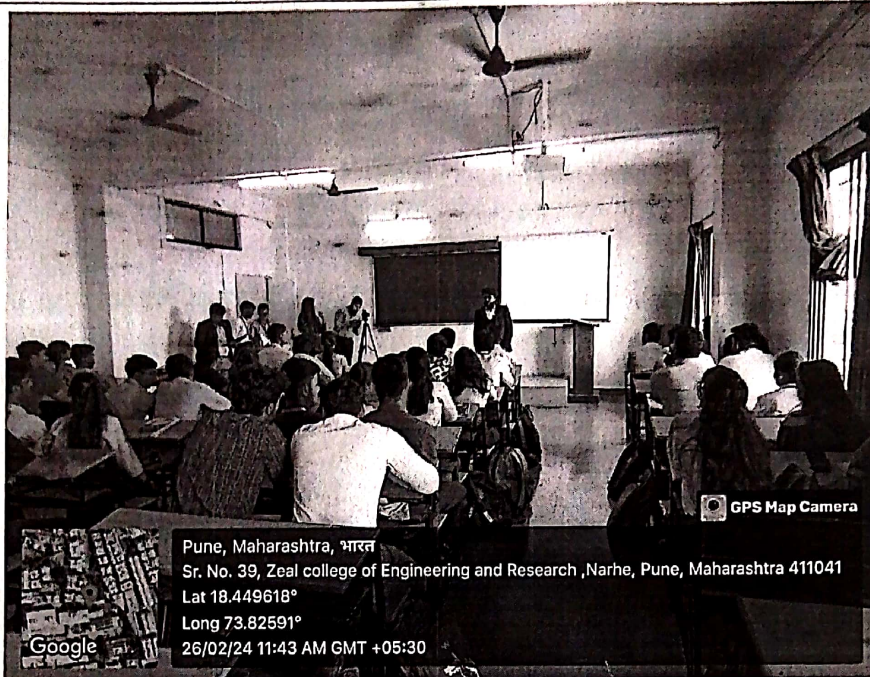
**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND  
RESEARCH  
NARHE | PUNE -41 | INDIA**



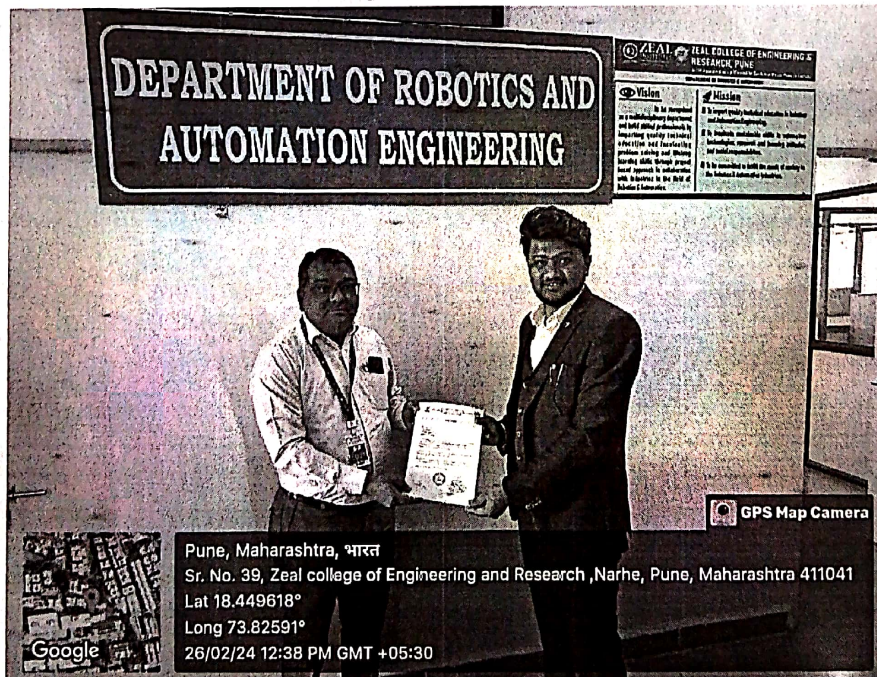
Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021



Pune, Maharashtra, भारत  
Sr. No. 39, Zeal college of Engineering and Research, Narhe, Pune, Maharashtra 411041  
Lat 18.449618°  
Long 73.82591°  
26/02/24 11:43 AM GMT +05:30



Pune, Maharashtra, भारत  
Sr. No. 39, Zeal college of Engineering and Research, Narhe, Pune, Maharashtra 411041  
Lat 18.449618°  
Long 73.82591°  
26/02/24 12:38 PM GMT +05:30

Expert speaker **Mr. Nilesh Sabe** conducted Expert session on **"Entrepreneurship Development"** for SE & BE students dated 26.02.2024 , Total student count 40





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ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**

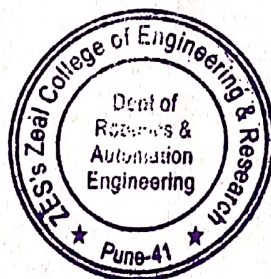


**EXPERT LECTURE CONDUCTION CERTIFICATE**

Date: 26.02.2024

To whom it may concern

**Mr. Nilesh Sabe, CEO & Founder, SwiftNlift Company, Pune** has conducted expert lecture for Second & Fourth Year Robotics & Automation Engineering students on the topic **"Entrepreneurship Development"** organized by Department of Robotics & Automation Engineering dated 26<sup>th</sup> Feb 2024 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe , Pune -41, India.



**Prof. Y. R. Ingole**  
**Head of Department**  
**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041

26/02/2024





**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



**Letter of Thanks**

Date: 26.02.2024

To,

**Mr. Nilesh Sabe,**

**CEO & Founder,**

**SwiftNlift Company, Pune.**

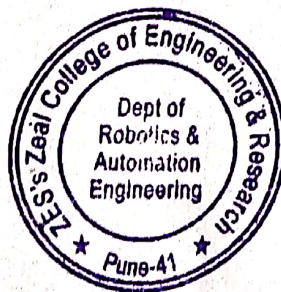
**Subject:** Letter of Thanks.

The Zeal Education Society's ZCOER would like to thank you for enlighten us on one of the emerging topic. Your talk on about **"Entrepreneurship Development"** was one of the new technologies studied by our students. It was an honor for Zeal College of Engineering and Research to have you as our resourceful eminent speaker.

We believe that the knowledge you have shared will help immensely in the development of the students and eventually translate into better future for them.

We know that your time is precious, and we are grateful you shared some of it with us. We look forward to getting more time from your side to arrange such seminars in future.

Again, thank you so much. We hope to see you soon again.



**Prof. Y. R. Ingole**

**Head of Department**

**Head of Department**

**Dept. of Robotics & Automation Engg**

**ZES's Zeal College of  
Engineering & Research**

**Narhe, Pune-411041**

26/02/2024







**ZEAL EDUCATION SOCIETY'S  
ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance Sheet**

Department: Robotics & Automation Engineering

SEM: II

Academic Year: 2023-2024

Date: 26.02.2024

Time: 11:15 to 12:15 pm

**Expert Session on "Entrepreneurship Development"**

Learning Objectives : Students are able to

01

02

S.N.	Class	Roll No.	Name of Students	Sign
01	B.E	B1511062	Shinde Anishq Moruti	Anishq
02	B.E	B1511019	Gaikwad Suraj Dhanaji	Suraj
03	B.E	B1511017	Dhumal Rohan Vinayak	Rohan
04	B.E	B1511002	Bagade Sakshi Laxman	Sakshi
05	B.E	B1511033	Matwarkar Abhishek Yashwant	Abhi
06	B.E	B1511039	Prajwal Devidas Nikure	Prajwal
07	B.E	B1511070	Yadav Sahil Popat	Sahil
08	B.E	B1511059	Mohammed Zein Sheikh	M. Zein
09	B.E	B1511034	Aditi Pandurang Mode	Aditi
10	B.E	B1511057	Nikunj C. Shah	Nikunj
11	B.E	B1511001	Vinit Deepak Andure	Vinit
12				
13				
14				
15	S.E	S1511058	Jayesh Salunkhe	Jayesh
16	S.E	S1511016	Sahil Nikam	S.P. Nikam
17	S.E	S1511076	Shaunak Rasol	Shaunak
18	S.E	S1511062	Omkar Shinde	Shinde
19	S.E	S1511043	Vedant Kumbhar	Vedant
20	S.E	S1511001	Shubham Shinde	Shubham
21	S.E	S1511040	Sweety Shinde	Sweety
22	S.E	S1511039	Dhruv K. Gaware	Dhruv K.G.
23	S.E	S1511066	Pratik N. Dhawane	Pratik
24	S.E	S1511072	Omkar A. Varhade	Omkar
25	S.E	S1511074	Harsh M. Ahuja	Harsh
26	S.E	S1511065	Ashwini Biradar	Ashwini
27	S.E	S1511038	Seeya Kudale	Seeya
28	S.E	S1511008	Santika M. Shete	Santika
29	SE	S1511037	Neha Jagtap	Neha
30	SE	S1511017	Nikhil D. Bhorkade	Nikhil
31	SE	S1511060	Tanmay P. Patil	Tanmay
32	SE	S1511056	Sarang Parkhi	Sarang
33	S.E	S1511045	Yash Jevale	Yash
34	SE	S1511019	Girija Tell	Girija
35	SE	S1511071	Shivani Takale	Shivani









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**NARHE | PUNE -41 | INDIA**



Record No.: ACAD/R/21B

Revision: 00

Date: 01/04/2021

**Industry Expert/ Guest Faculty Session Feedback Analysis**

Department: Robotics & Automation

Academic Year: 2023-2024

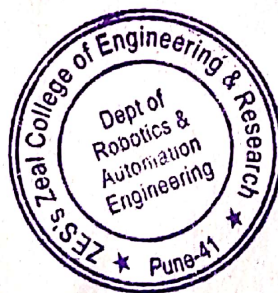
Semester: II

Date: 26.02.2024

Name of Expert/ Guest: Mr. Nilesh Sabe

Sr. No.	Attribute	No. of responses	Marks	
			Obtained	%
1	How would you rate the content of the session?	22	93	85
2	How would you rate the knowledge of the guest for the session?		93	85
3	How would you rate the content delivery method of the guest for the session?		88	80
4	How would you rate the management of the session?		71	65
5	Do you think the content of the session added to your knowledge?		104	95

Feedback Coordinator



H.O.D.

**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
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Narhe, Pune-411041







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ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R/21

Revision: 00

Date: 01/04/2021

**Permission for Industry Expert Session**

**Department: Robotics & Automation  
Class: TE & BE**

**Semester: II  
Div: A**

**Academic Year: 2023-2024  
Date: 26.02.2024**

To,  
**The Principal  
ZCOER, Pune**

**Subject: Permission for scheduling an Expert Session**

Respected Sir,

For enhancing the understanding of students about **"Image and Signal Processing with MATLAB"** It planned to schedule an Expert Session for the Program T.E.&B.E. Robotics & Automation Engineering. The best suitable expert is identified for this session and the details are as given below.

<b>Name of Expert:</b>	<b>Mr. Ankit Kumar</b>
<b>Designation:</b>	<b>Application Engineer, MATHWORK</b>
<b>Organization:</b>	<b>Design Tech System Pvt. Limited, Pune.</b>
<b>Experience:</b>	<b>12 Yrs</b>
<b>Date:</b>	<b>27.02.2024</b>
<b>Time and Duration:</b>	<b>9:30 am to 12:30pm, 1:15 pm to 3:15 pm</b>

**Remuneration Details:**

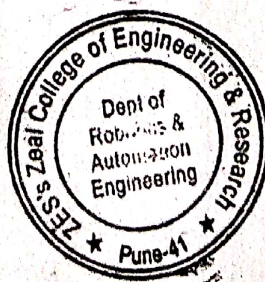
Number of Hrs. of session	Remuneration/ Hr.	Total
Nil	Nil	Nil
		Nil

You are hereby requested to kindly permit the conduction of the above said session and sanction the remuneration of Rs. - Nil

*Prof. S.S. Dhumal*  
**Prof. S.S. Dhumal  
Course Faculty**

**Remark by Principal:**

*Approved & approved  
26/02/24*



*Prof. Y. R. Ingole*  
**Prof. Y. R. Ingole  
Head of Department  
Head of Department  
Dept. of Robotics & Automation En  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041**







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NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R/39

Revision: 00

Date: 01/04/2021

**Notice**

**Department: Robotics & Automation**

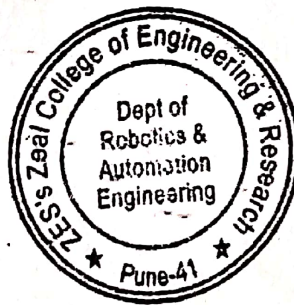
**Sem: II**

**Academic Year: 2023-2024**

**Date: 26.02.2024**



This is to inform that an Expert talk by Mr. Ankit Kumar, Application Engineer, MATHWORK, Design Tech System Pvt. Limited, Pune is scheduled on Topic "Image and Signal Processing with MATLAB" on Tuesday 27<sup>th</sup> Feb, 2024 from 9:30 am to 12:30pm & 1:15 pm to 3:15 pm.

**Attendance is compulsory to all.**



**Prof. Y. R. Ingole**  
**Head of the Department**  
**Head of Department**  
Dept. of Robotics & Automation Er  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041



	<b>ZEAL EDUCATION SOCIETY'S</b> <b>ZEAL COLLEGE OF ENGINEERING AND</b> <b>RESEARCH</b> <b>NARHE   PUNE -41   INDIA</b>		
	Record No.: ZCOER-ACAD/R	Revision: 00	

<b>Expert Session One Page Report</b>
---------------------------------------

Date: 27.02.2024

To,  
The H.O.D.  
Robotics & Automation Engineering Department,  
ZCOER, Narhe.

**Subject:** Report of Expert session conducted on topic **“Digital Image Processing with MATLAB”** and **“Signal Processing with MATLAB”**, at ZCOER, Narhe.

Respected Sir,

With reference to above mentioned subject, I would like to inform you that **Mr. Ankit Kumar**, **Application Engineer, Mathworks, DesignTech System Pvt. Ltd., Pune** has successfully conducted a hands-on session for the Third Year and Fourth Year student on the topic **“Digital Image Processing with MATLAB”** and **“Signal Processing with MATLAB”**. 41 Students of T.E. and B.E. were present for this session and the session was very interesting and interactive, **Mr. Ankit Kumar** conducted hands on session on topic **Digital Image Processing** and **Signal Processing**.

**Topics discussed during lecture:**

Sr. No	Contents Covered	POs Mapping to the Contents
1	<p>The Session was planned for TE and BE students to have Hands-on session for topic <b>“Digital Image Processing with MATLAB”</b> and <b>“Signal Processing with MATLAB”</b>. Mr. Ankit Kumar shared valuable information about different toolboxes.</p> <p>Contents covered for Digital Image Processing:</p> <ul style="list-style-type: none"> <li>• Get Started with Image Processing Toolbox</li> <li>• Images in MATLAB</li> <li>• Import, display, and manipulate colour and grayscale images.</li> <li>• Image Segmentation Create binary images by thresholding pixel intensity values.</li> <li>• Pre-processing and Post Processing Techniques</li> <li>• Image Processing Onramp (Practice)</li> </ul>	<p>PO1, PO2, PO3,  PO4, PO5, PO7,  PO9, PO10, PO11,  PO12, PSO1, PSO2,  PSO3</p>





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NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

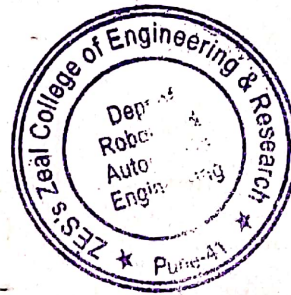
Revision: 00

Date: 01/04/2021

2	Contents covered for Signal Processing: <ul style="list-style-type: none"><li>Creating and analysing signals</li><li>Performing spectral analysis</li><li>Designing and analysing filters</li><li>Signal Processing Onramp (Practice)</li></ul>	PO1, PO2, PO3, PO4, PO5, PO7, PO9, PO10, PO11, PO12, PSO1, PSO2, PSO3
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Thanking You,

Yours Sincerely,  
Prof. Sayali S. Dhumal







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ZEAL COLLEGE OF ENGINEERING AND  
RESEARCH  
NARHE | PUNE -41 | INDIA**

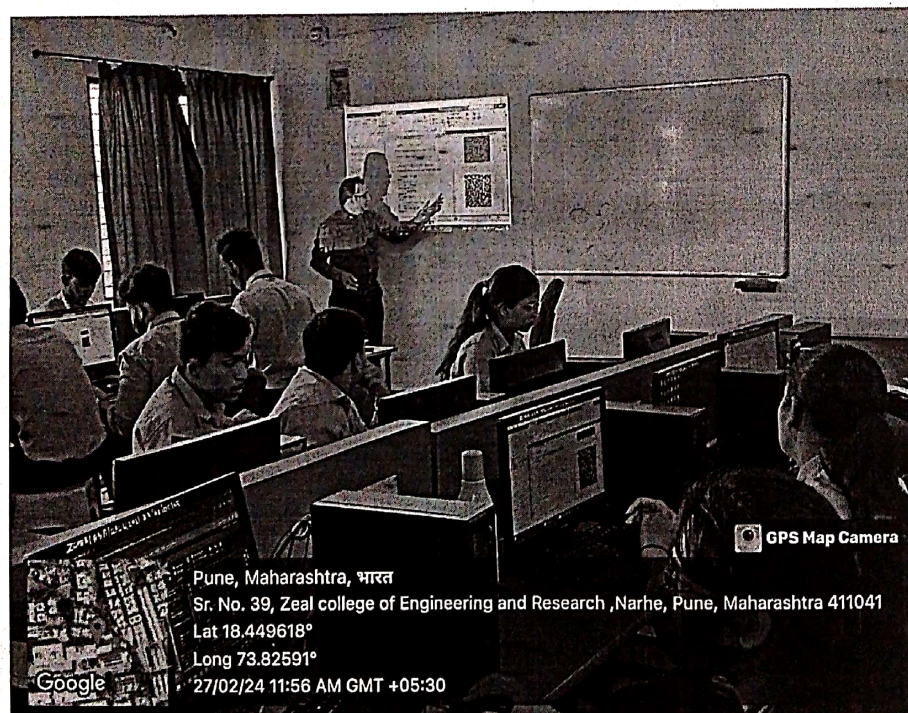
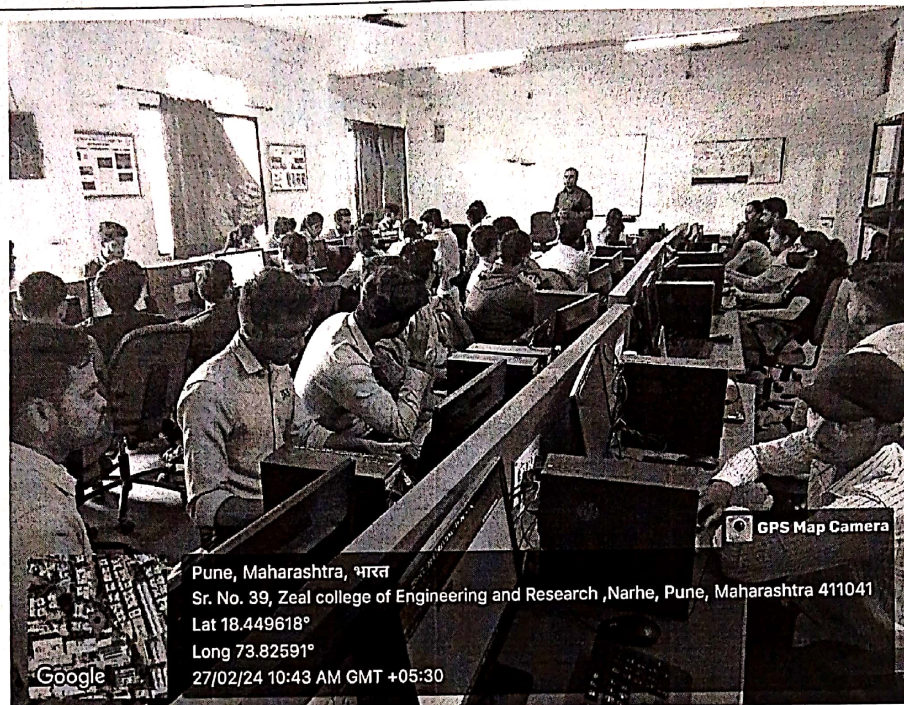


Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

**Photographs/Screen shots:**



Expert speaker Mr. Ankit Kumar conducted hands on session on “Digital Image Processing with MATLAB” and “Signal Processing with MATLAB” for TE and BE students dated 27.02.2024  
Total Count of Students: 41





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ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**

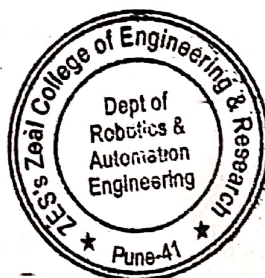


**EXPERT LECTURE CONDUCTION CERTIFICATE**

Date: 27.02.2024

To whom it may concern

Mr. Ankit Kumar, Application Engineer, MATHWORK, Design Tech System Pvt. Ltd., Pune has conducted expert lecture for Third & Fourth Year Robotics & Automation Engineering students on the topic "Image and Signal Processing with MATLAB" organized by Department of Robotics & Automation Engineering dated 27<sup>th</sup> Feb 2024 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe, Pune -41, India.



**Prof. Y. R. Ingole**  
**Head of Department**

**Head of Department**  
Dept. of Robotics & Automation En  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041

*Received*

*✓*

*Ankit Kumar*  
*27.02.2024*







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ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



**Letter of Thanks**

Date: 27.02.2024

To,

**Mr. Ankit Kumar**

**Application Engineer, MATHWORK,**

**Design Tech System Pvt. Ltd., Pune.**

**Subject:** Letter of Thanks.

The Zeal Education Society's ZCOER would like to thank you for enlighten us on one of the emerging topic. Your talk on about **"Image and Signal Processing with MATLAB"** was one of the new technologies studied by our students. It was an honor for Zeal College of Engineering and Research to have you as our resourceful eminent speaker.

We believe that the knowledge you have shared will help immensely in the development of the students and eventually translate into better future for them.

We know that your time is precious, and we are grateful you shared some of it with us. We look forward to getting more time from your side to arrange such seminars in future.

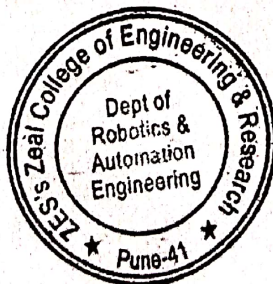
Again, thank you so much. We hope to see you soon again.

*Received*

*A*

*Ankit Kumar*

*27.02.2024*



**Prof. Y. R. Ingole**  
**Head of Department**

**Head of Department**  
**Dept. of Robotics & Automation Engg**  
**ZES's Zeal College of**  
**Engineering & Research**  
**Narhe, Pune-411041**







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ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
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Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance Sheet**

Department: Robotics & Automation Engineering

SEM: II

Academic Year: 2023-2024

Date: 27.02.2024

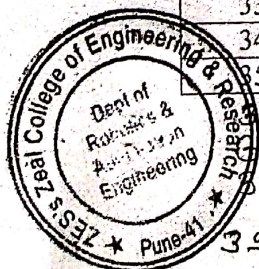
Time: 10:15 to 12:30

Expert Session on "Image & Signal Processing with MATLAB"

Learning Objectives : Students are able to

- |    |   |
|----|---|
| 01 | Analyze and Process the image in MATLAB   |
| 02 | Analyze and Process the signals in MATLAB |

S.N.	Class	Roll No.	Name of Students	Sign
01	BE	B1511024	SIDDHESH PRAVIN JAGTAP	[Signature]
02	BE	B1511034	Aditi Pandurang Mate	[Signature]
03	BE	B1511066	KRUSHI SADANAND THORAT	[Signature]
04	BE	B1511061	Kayba Shikha	[Signature]
05	BE	B1511054	Solunehre Nitee	[Signature]
06	BE	B1511008	Lalit Chaudhari	[Signature]
07	BE	B1511053	Jyoti Sable	[Signature]
08	BE	B1511066	Tukaraj Ashish Suryakant	[Signature]
09	BE	B1511032	Vinay Ganesh Mahendre	[Signature]
10	BE	B1511047	Ranilive Vyanktesh	[Signature]
11	BE	B1511060	Priya Sharma	[Signature]
12	TE	T1511015	Sanket Dabhadre	[Signature]
13	TE	T1511005	Yash Bhaskar	[Signature]
14	TE	T1511071	Wakchune Mukund	[Signature]
15	TE	T1511009	Kunal Bondale	[Signature]
16	TE	T1511008	Saurabh Bodale	[Signature]
17	TE	T1511019	Pramod Chaitan	[Signature]
18	TE	T1511037	Omkar Magar	[Signature]
19	TE	T1511070	Shubham Vishwakarma	[Signature]
20	TE	T1511035	Amey Anant Lokhande	[Signature]
21	TE	T1511060	Rohaan Ramchandra Shelar	[Signature]
22	TE	T1511030	Arjun Shivaji Kale	[Signature]
23	TE	T1511024	Vishwaraj Ravindra Jadhav	[Signature]
24	TE	T1511011	Levin Vincent	[Signature]
25	TE	T1511007	Aryan Bijoy	[Signature]
26	TE	T1511051	AKSHAY RAUT	[Signature]
27	TE	T1511066	ASHWARI TALATHI	[Signature]
28	TE	T1511046	Sanika Paigude	[Signature]
29	TE	T1511042	Abhijeet More	[Signature]
30	TE	T1511032	Druga Kothare	[Signature]
31	TE	T1511028	Mandav Joni	[Signature]
32	TE	T1511033	Aditya Katkar	[Signature]
33	TE	T1511048	Panchal Sandhyarani	[Signature]
34	TE	T1511065	Aryan R. Sutar	[Signature]
35	TE	T1511073	Ganeshwar Salkar	[Signature]
36	TE	T1511027	Abhishek Joni	[Signature]
37	TE	T1511034	Avantika Koli	[Signature]
38	TE	T1511021	TEJAS GHOLAP	[Signature]
39	TE	T1511040	Aditya Kant Mehra	[Signature]







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Record No.: ACAD/R/21B

Revision: 00

Date: 01/04/2021

**Industry Expert/ Guest Faculty Session Feedback Analysis**

Department: Robotics & Automation

Academic Year: 2023-2024

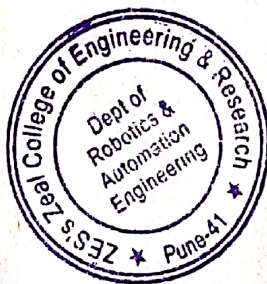
Semester: II

Date: 27.02.2024

Name of Expert/ Guest: Mr. Ankit Kumar

Sr. No.	Attribute	No. of responses	Marks	
			Obtained	%
1	How would you rate the content of the session?	22	92	84
2	How would you rate the knowledge of the guest for the session?		94	85
3	How would you rate the content delivery method of the guest for the session?		96	87
4	How would you rate the management of the session?		93	85
5	Do you think the content of the session added to your knowledge?		106	96

  
Feedback Coordinator



  
H.O.D.

**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
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Narhe, Pune-411041







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Record No.: ZCOER-ACAD/R/21

Revision: 00

Date: 01/04/2021

Permission for Industry Expert Session

Department: Robotics & Automation  
Class: TE & BE

Semester: II  
Div: A

Academic Year: 2023-2024  
Date: 26.02.2024

To,  
The Principal  
ZCOER, Pune

Subject: Permission for scheduling an Expert Session

Respected Sir,

For enhancing the understanding of students about "Unlocking Career Potentials in Robotics with Artificial Intelligence (AI) & Machine Learning (ML) Technologies" It planned to schedule an Expert Session for the Program T.E.&B.E. Robotics & Automation Engineering. The best suitable expert is identified for this session and the details are as given below.

Name of Expert:	Mr. Avinash Chauhan
Designation:	Data Science Trainer
Organization:	Two Dimension, Pune.
Experience:	07 Yrs
Date:	29.02.2024
Time and Duration:	10:30 am to 12:30pm

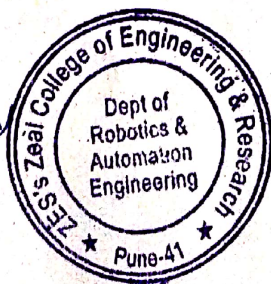
Remuneration Details:

Number of Hrs. of session	Remuneration/ Hr.	Total
Nil	Nil	Nil

You are hereby requested to kindly permit the conduction of the above said session and sanction the remuneration of Rs- Nil

Prof. Kotakar A.S.  
Course Faculty  
Remark by Principal:

Allowed & approved  
26/02/24



Prof. Y. R. Ingole  
Head of Department  
Head of Department  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
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Record No.: ZCOER-ACAD/R/39

Revision: 00

Date: 01/04/2021

Notice

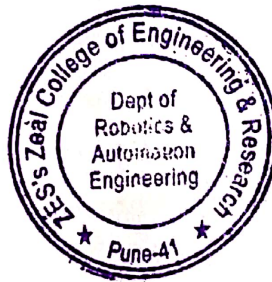
Department: Robotics & Automation

Sem: II

Academic Year: 2023-2024

Date: 26.02.2024

This is to inform that an Expert talk by Mr. Avinash Chauhan, Data Science Trainer, Two Dimension, Pune is scheduled on Topic "Unlocking Career Potentials in Robotics with Artificial Intelligence (AI) & Machine Learning (ML) Technologies" on Thursday 29<sup>th</sup> Feb, 2024 from 10:30 am to 12:30 pm  
Attendance is compulsory to all.



Prof. Y. R. Ingole  
Head of the Department

**Head of Department**  
Dept. of Robotics & Automation Engg  
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Narhe, Pune-411041





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NARHE | PUNE -41 | INDIA



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

EXPERT SESSION ONE PAGE REPORT

Date: 29.02.2024

To,  
The H.O.D.

Robotics & Automation Engineering Department,  
ZCOER, Narhe.

**Subject:** Report of expert lecture conducted by Expert on topic "Unlocking Career Potentials in Robotics with Artificial Intelligence (AI)& Machine Learning (ML) Technologies" at ZCOER, Narhe.

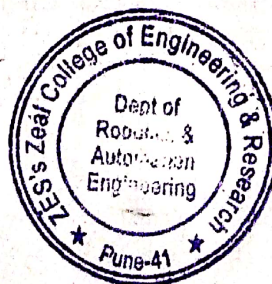
Respected Sir,

With reference to above mentioned subject, I would like to inform you that **Mr. Avinash Chauhan**, **Data Science Trainer, Two Dimension, Pune** has successfully conducted an Expert Lecture for the Second, Third and fourth Year student on the topic "Unlocking Career Potentials in Robotics with Artificial Intelligence (AI)& Machine Learning (ML) Technologies" Students of S.E., T.E. & B.E. were present for this session and the session was very interesting and interactive, **Mr. Avinash Chauhan** has given valuable information insight about **Unlocking Career Potentials in Robotics with Artificial Intelligence (AI)& Machine Learning (ML) Technologies** in Robotics.

Topics discussed during lecture:

Sr. No	Contents Covered	POs Mapping to the Contents
1	The Session was planned for SE, TE & BE students to have Expert Lecture for Unlocking Career Potentials in Robotics with Artificial Intelligence (AI)& Machine Learning (ML) Technologies <b>Mr. Avinash Chauhan</b> shared valuable information about Applications of intelligent systems for mobile Robot Motion Planning, Path Planning Robot Control in Dynamic Environments, Accurate Motion Control of Fast Mobile Robots, Obstacle avoidance.	PO1, PO2, PO3, PO4, PO5, PO7, PO9, PO10, PO11, PO12, PSO1, PSO2, PSO3

Thanking You,



Yours Sincerely,  
Prof. Kotakar A.S.







**-ZEAL EDUCATION SOCIETY'S  
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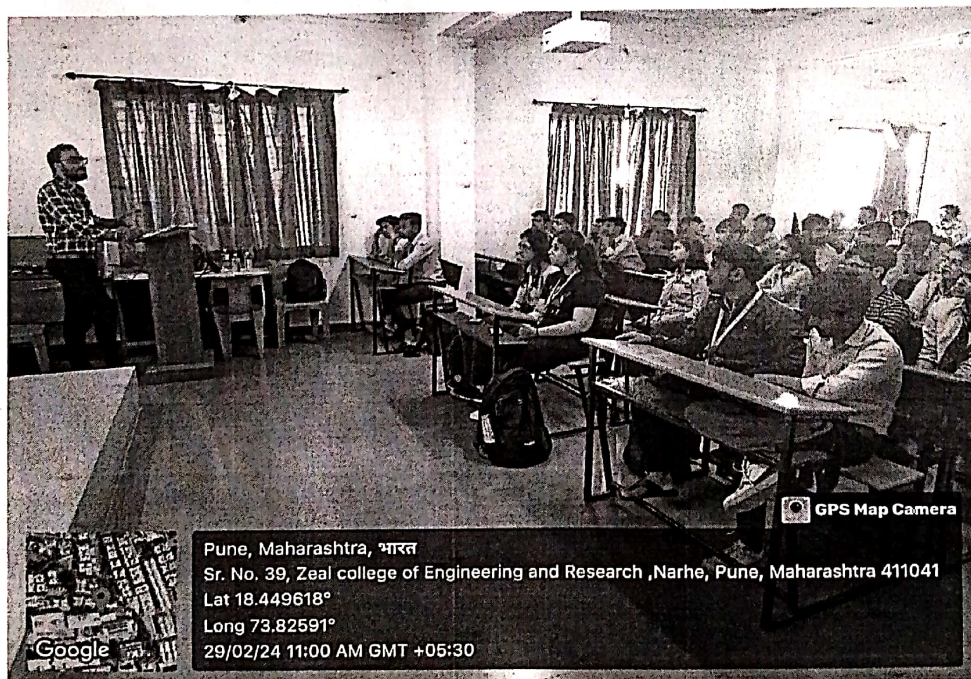
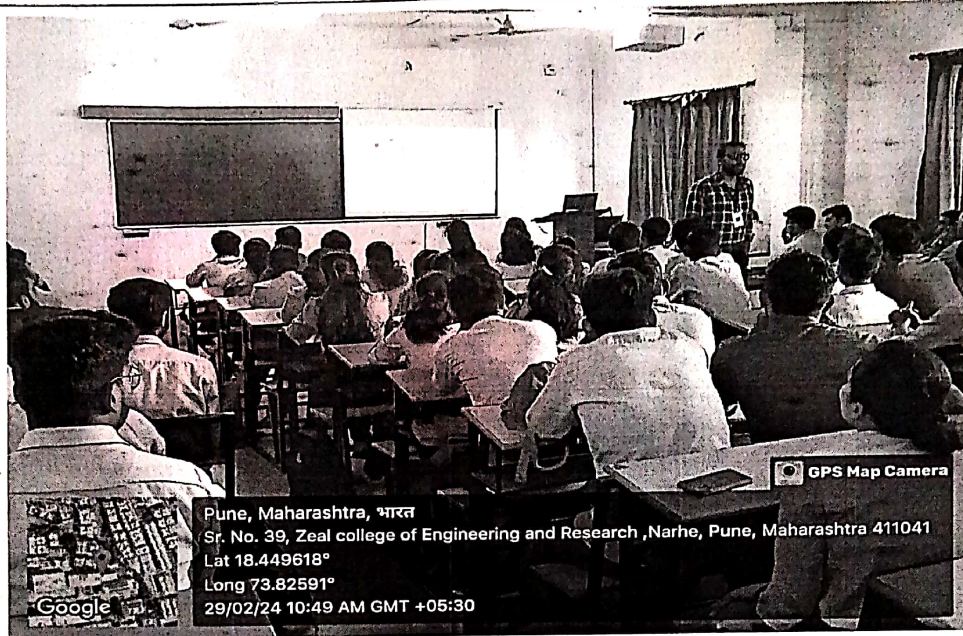


Record No.: ZCOER-ACAD/R

Revision: 00



Date:01/04/2021

**Photographs/Screen shots:**



Expert speaker **Mr. Avinash Chauhan** conducted hands on session on “Unlocking Career Potentials in Robotics with Artificial Intelligence (AI)& Machine Learning (ML) Technologies” for SE,TE &BE students dated 29.02.2024.Total count of student:85



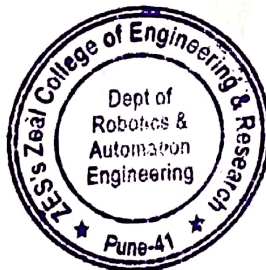
	<b>ZEAL EDUCATION SOCIETY'S ZEAL COLLEGE OF ENGINEERING AND RESEARCH NARHE   PUNE -41   INDIA</b>	

**EXPERT LECTURE CONDUCTION CERTIFICATE**

Date: 29.02.2024

To whom it may concern

Mr. Avinash Chauhan, Data Science Trainer, Two Dimension, Pune has conducted expert lecture for Third & Fourth Year Robotics & Automation Engineering students on the topic “Unlocking Career Potentials in Robotics with Artificial Intelligence (AI) & Machine Learning (ML) Technologies” organized by Department of Robotics & Automation Engineering dated 29<sup>th</sup> Feb 2024 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe, Pune -41, India.



Prof. Y. R. Ingole  
Head of Department

**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041

*Avinash*





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ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



**Letter of Thanks**

Date: 29.02.2024

To,

**Mr. Avinash Chauhan,  
Data Science Trainer,  
Two Dimension, Pune.**

**Subject:** Letter of Thanks.

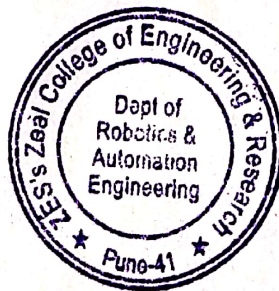
The Zeal Education Society's ZCOER would like to thank you for enlighten us on one of the emerging topic. Your talk on about "Unlocking Career Potentials in Robotics with Artificial Intelligence (AI) & Machine Learning (ML) Technologies" was one of the new technologies studied by our students. It was an honor for Zeal College of Engineering and Research to have you as our resourceful eminent speaker.

We believe that the knowledge you have shared will help immensely in the development of the students and eventually translate into better future for them.

We know that your time is precious, and we are grateful you shared some of it with us. We look forward to getting more time from your side to arrange such seminars in future.

Again, thank you so much. We hope to see you soon again.

*Avinash*



**Prof. Y. R. Ingole**  
Head of Department  
**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041







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ZEAL COLLEGE OF ENGINEERING AND RESEARCH  
NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance Sheet**

Department: Robotics &amp; Automation Engineering

SEM: II

Academic Year: 2023-2024

Date: 29.02.2024

Time: 10:30 to 12:30 pm

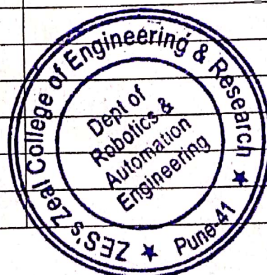
Expert Session on "Unlocking Career Potentials in Robotics with Artificial Intelligence(AI)& Machine Learning(ML)"

Learning Objectives : Students are able to

01

02

S.N.	Class	Roll No.	Name of Students	Sign
01	B.E.	B1511034	Aditi P. Male	<i>Aditi</i>
02	B.E.	B1511070	Sahil P. Yadav	<i>Sy</i>
03	B.E.	B1511003	Smriti C. Bagase	<i>Smriti</i>
04	B.E.	B1511051	Pratiksha P. Raut	<i>P.D. Raut</i>
05	B.E.	B1511055	Yash A. Salunkhe	<i>Yash</i>
06	B.E.	B1511041	Bhavya T. Patil	<i>Patil</i>
07	B.E.	B1511014	Shridatta M. Devkar	<i>Shridatta</i>
08	B.E.	B1511060	Rama Y. Sharma	<i>Rama</i>
09	B.E.	B1511019	Guraj D. Gaikwad	<i>Guraj</i>
10	B.E.	B1511017	Rohan V. Dhumal	<i>Rohan</i>
11	B.E.	B1511037	Khushi B. Naik	<i>Khushi</i>
12	B.E.	B1511039	Preraj D. Nikure	<i>Preraj</i>
13	B.E.	B1511042	Yash P. Patil	<i>Yash</i>
14	B.E.	B1511066	Tukaraj Ashish Suryakant	<i>Tukaraj</i>
15	B.E.	B1511046	Pudale Rushikesh Vardekar	<i>Rushikesh</i>
16	B.E.	B1511032	Vinay Ganesh Mahendrakar	<i>Vinay</i>
17	B.E.	B1511047	Ranajive Vyanktesh Mahesh	<i>Ranajive</i>
18	B.E.	B1511044	Ajit Pandurang Pore	<i>Ajit</i>
19	B.E.	B1511028	Tagtar Pratham Gopinath	<i>Tagtar</i>
20	B.E.	B1511008	Lalit Vinod Chaudhary	<i>Lalit</i>
21	B.E.	B1511026	Kalambe Nihal Nihal	<i>Nihal</i>
22	B.E.	B1511007	Ritvik Mahendra Dute	<i>Ritvik</i>
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**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041





**ZEAL EDUCATION SOCIETY'S**  
**ZEAL COLLEGE OF ENGINEERING AND RESEARCH**  
**NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance Sheet**

Department: Robotics & Automation Engineering SEM: II Academic Year: 2023-2024  
Date: 29.02.2024 Time: 10:30 to 12:30 pm

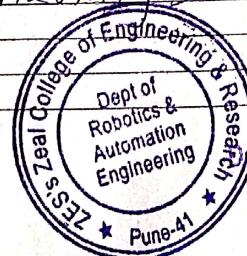
Expert Session on "Unlocking Career Potentials in Robotics with Artificial Intelligence(AI)& Machine Learning(ML)"

Learning Objectives : Students are able to

01

02

S.N.	Class	Roll No.	Name of Students	Sign
01	TE	T1511030	Atharva Shivaji Kaur	
02	TE	T1511037	Omkar Magar	
03	TE	T1511019	Prannoy Gadikwad	
04	TE	T1511070	Shubham Vishwakarma	
05	TE	T1511050	Varad Patil	
06	TE	T1511036	Esa Loni	
07	TE	T1511027	Abhishek Jori	
08	TE	T1511017	Sakshi Gadewar	
09	TE	T1511046	Sanika Paigude	
10	TE	T1511045	Lalit Sarode	
11	TE	T1511054	Gajendra Babu J. Salunkhe	
12	TE	T1511066	Asawari B. Talathi	
13	TE	T1511062	Rushikesh N. Shinde	
14	TE	T1511052	Bhuvan Manoj Raut	
15	TE	T1511021	Eshwar Tejas B	
16	TE	T1511034	Kodi Avantika	
17	TE	T1511061	Shelke Vaibhavi	
18	TE	T1511020	Vaibhavi Ghadge	
19	TE	T1511022	Samiya Inamdar	
20	TE	T1511042	Abhijeet More	
21	TE	T1511060	Rohan Shelke	
22	TE	T1511016	Kartik Dolaskar	
23	TE	T1511063	Shirke Mahesh	
24	TE	T1511003	Bhagat Ujjwal	
25	TE	T1511065	Aryan R. Sutar	
26	TE	T1511007	Aryan Bijoy	
27	TE	T1511005	Yash Bhaskar	
28	TE	T1511071	Wakchande Mukunda	
29	TE	T1511032	Divya Kathare	
30	TE	T1511011	Levin Vincent	
31	TE	T1511043	MIHAM ANJHE SANTOSH	
32	TE	T1511051	RAUT AKSHAY S.	
33				
34				
35				



**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041





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**NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance Sheet**

Department: Robotics &amp; Automation Engineering

SEM: II

Academic Year: 2023-2024

Date: 29.02.2024

Time: 10:30 to 12:30 pm

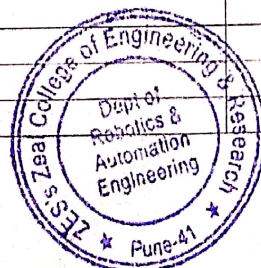
Expert Session on "Unlocking Career Potentials in Robotics with Artificial Intelligence(AI)& Machine Learning(ML)"

Learning Objectives : Students are able to

01

02

S.N.	Class	Roll No.	Name of Students	Sign
01	SE	51511036	Vidula Sardesai	
02	SE	51511015	Prachi Dharawane	
03	SE	51511037	Neha Jagtap	
04	S.E	51511024	Riya more	
05	S.E	51511016	Kalyani Khapake	
06	S.E	5151108	Sandhya shete	
07	S.E	51511014	Sahil Nilkam	
08	S.E	51511003	Swarnil Mahadik	
09	S.E	51511017	Nikhil Bhaskade	
10	S.E	51511060	Tanmay Patil	
11	SE	51511018	Priyanka Dandawate	
12	SE	51511013	Purva Thapate	
13	SE	51511012	Bhakti Nande	
14	SE	51511001	Shubham Shinde	
15	SE	51511033	Atharv Mankarkar	
16	SE	51511039	Pratik Gawale	
17	S.E.	51511062	Omkar Shinde.	
18	S.E.	51511005	Prajwal Alekar	
19	S.E.	51511038	Jayesh Salunkhe.	
20	S.E	51511044	Prajwal Nimbalakar	
21	S.E.	51511045	Vedant Hiwande.	
22	S.E.	51511043	Vedant Kumbhar	
23	S.E.	51511066	Pratik N. Dharawane	
24	S.E	51511004	Shivam Ghadge	
25	S.E	51511031	Chaitanya Bante	
26	S.E.	51511076	Shaunak Raisal	
27	S.E	51511042	Payal Chavan	
28	S.E	51511077	Prathamesh Dandi	
29	SE	51511009	Devanshu Nagmodi	
30	SE	51511002	Nirukta Kapse	
31	SE	51511071	Shivani Takale	
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NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session Attendance Sheet**

Department: Robotics & Automation Engineering  
Date: 29.02.2024

SEM: II

Academic Year: 2023-2024  
Time:

**Expert Session on "Unlocking Career Potentials in Robotics with Artificial Intelligence(AI) & Machine Learning(ML)"**

**Learning Objectives : Students are able to**

01

02

S.N.	Class	Roll No.	Name of Students	Sign
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55				

Head of the Department

**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041







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Record No.: ACAD/R/21B

Revision: 00

Date: 01/04/2021

**Industry Expert/ Guest Faculty Session Feedback Analysis**

Department: Robotics & Automation

Academic Year: 2023-2024

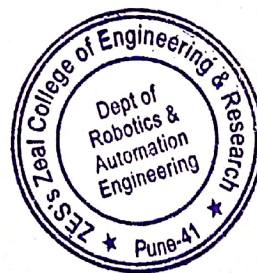
Semester: II


Date: 29.02.2024

Name of Expert/ Guest: Mr. Avinash Chauhan

Sr. No.	Attribute	No. of responses	Marks	
			Obtained	%
1	How would you rate the content of the session?	42	186	89
2	How would you rate the knowledge of the guest for the session?		187	89
3	How would you rate the content delivery method of the guest for the session?		179	85
4	How would you rate the management of the session?		178	85
5	Do you think the content of the session added to your knowledge?		204	97

  
Feedback Coordinator



  
H.O.D.  
**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
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Narhe, Pune-411041







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Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session One Page Report**

Date: 09.03.2024

To,  
The H.O.D.  
Robotics & Automation Engineering Department,  
ZCOER, Narhe.

**Subject:** Report of Expert session conducted on topic “Getting Started with L<sub>A</sub>T<sub>E</sub>X: A Beginner's Guide”, at ZCOER, Narhe.

Respected Sir,

With reference to above mentioned subject, I would like to inform you that **Dr. Gaurav Kumar, Assistant Professor, Robotics & Automation Engineering Department, ZCOER, Narhe, Pune** has successfully conducted a hands-on session for the Fourth Year student on the topic “Getting Started with L<sub>A</sub>T<sub>E</sub>X: A Beginner's Guide”. 12 Students of B.E. were present for this session and the session was very interesting and interactive, **Dr. Gaurav Kumar** conducted hands on session on topic **Getting Started with L<sub>A</sub>T<sub>E</sub>X: A Beginner's Guide**.

**Topics discussed during lecture:**

Sr. No	Contents Covered	POs Mapping to the Contents
1	<p>The Session was planned for BE students to have Hands-on session for topic “Getting Started with L<sub>A</sub>T<sub>E</sub>X: A Beginner's Guide”. Dr. Gaurav Kumar shared valuable information about different toolboxes.</p> <p>Contents covered for Digital Image Processing:</p> <ul style="list-style-type: none"><li>• Introduction to L<sub>A</sub>T<sub>E</sub>X.</li><li>• Comparison of L<sub>A</sub>T<sub>E</sub>X with other contemporary text editors and how it is better than other text editors for writing articles, reports, books and presentation file.</li><li>• The basic structure of a L<sub>A</sub>T<sub>E</sub>X file.</li><li>• Packages and related commands used in L<sub>A</sub>T<sub>E</sub>X.</li><li>• Creating table of content, list of figures and list of tables in a file with one command.</li><li>• Inserting images and tables.</li></ul>	<p>PO3, PO5, PO6, PO7, PO8, PO9, PO10, PO11 PO12, PSO3</p>





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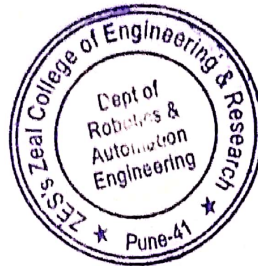
Record No.: ZCOER-ACAD/R


Revision: 00

Date: 01/04/2021

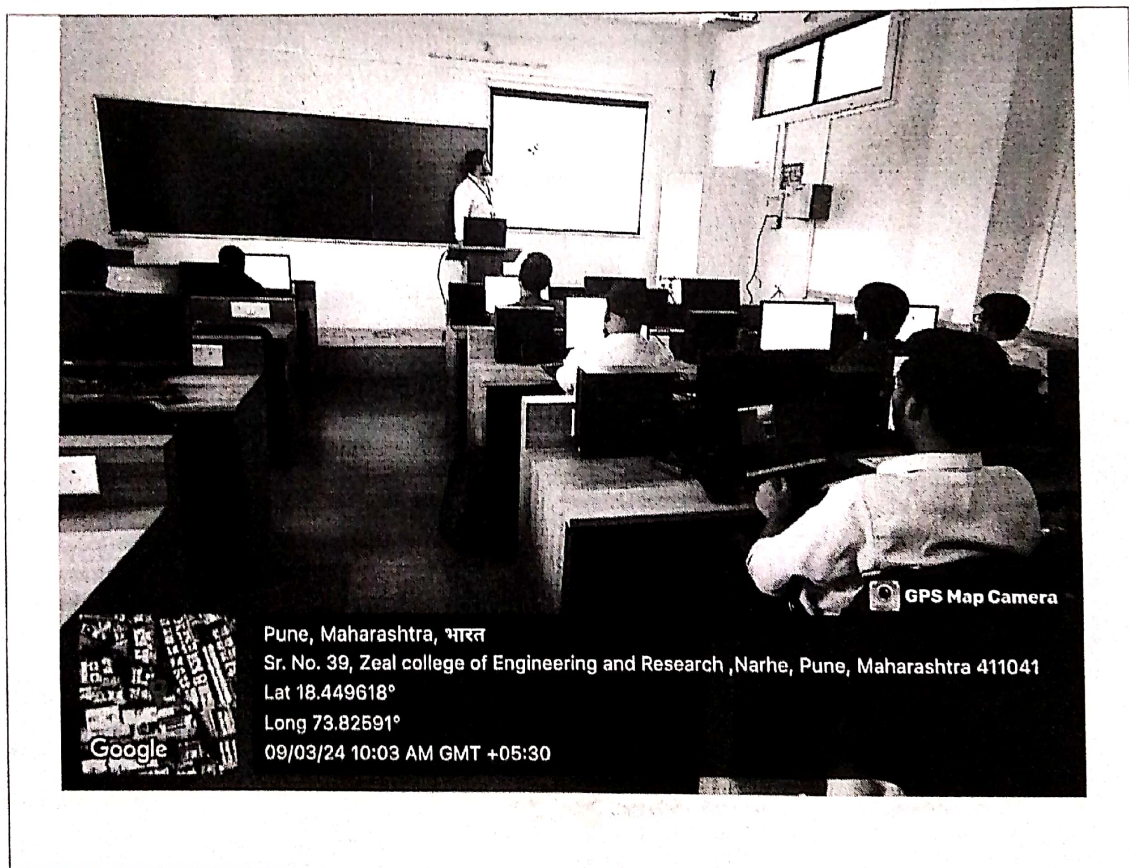
- Handling bibliography.
- Hands on with online Tex editor: Overleaf and creating a basic Tex file.

Thanking You,



  
Yours Sincerely,  
Prof. Sayali S. Dhumal

Photographs/Screen shots:







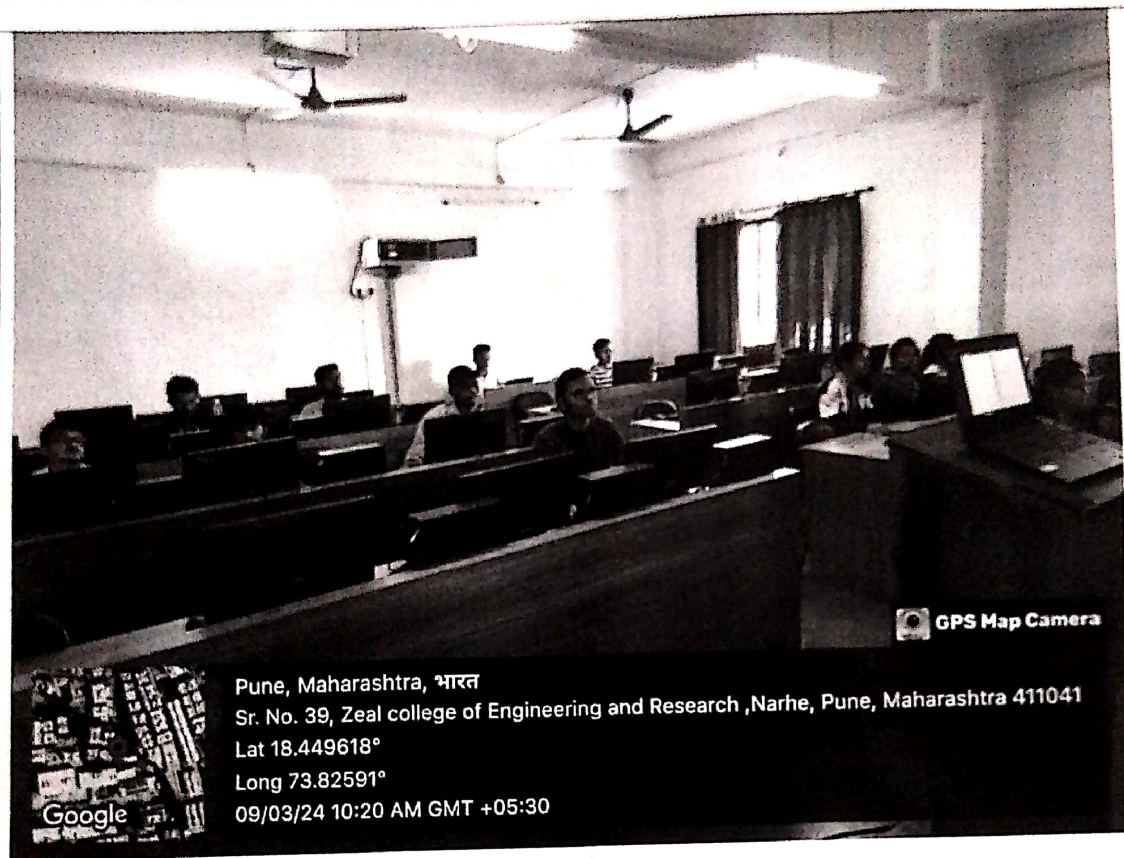
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ZEAL COLLEGE OF ENGINEERING AND  
RESEARCH  
NARHE | PUNE -41 | INDIA



Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021



Pune, Maharashtra, भारत

Sr. No. 39, Zeal college of Engineering and Research ,Narhe, Pune, Maharashtra 411041

Lat 18.449618°

Long 73.82591°

09/03/24 10:20 AM GMT +05:30

Expert speaker Dr. Gaurav Kumar conducted hands on session on “Getting Started with  
**L<sub>A</sub>T<sub>E</sub>X: A Beginner's Guide**” for BE students dated 09.03.2024

Total Count of Students: 12





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Record No.: ZCOER-ACAD/R/39

Revision: 00

Date: 01/04/2021

**Notice**

**Department: Robotics & Automation**

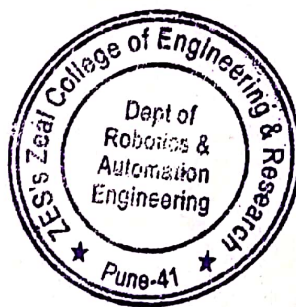
**Sem: II**


**Academic Year: 2023-2024**

**Date: 06.03.2024**

This is to inform that an Expert talk by **Dr. Gaurav Kumar**, Assistant Professor, Robotics & Automation Department, ZCOER, Pune is scheduled on Topic "Getting Started with LaTeX: A Beginner's Guide" on Saturday 9<sup>th</sup> March, 2024 from 8:00 am to 10:00 am.

**Attendance is compulsory to all.**



  
**Prof. Y. R. Ingole**  
**Head of the Department**  
**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041





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Record No.: ZCOER-ACAD/R/21

Revision: 00

Date: 01/04/2021

**Permission for Expert Session**

Department: Robotics & Automation  
Class: BE

Semester: II  
Div: A

Academic Year: 2023-2024  
Date: 14.03.2024

To,  
The Principal  
ZCOER, Pune

Subject: Permission for scheduling an Expert Session

Respected Sir,


For enhancing the understanding of students about "Automation in Industry using PLC & SCADA" It is planned to schedule a Hands-on Session for the Program B.E. Robotics & Automation Engineering. The best suitable expert is identified for this session and the details are as given below.

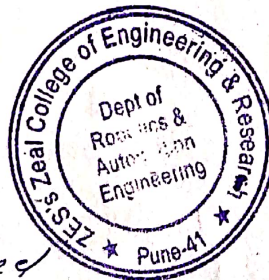
<b>Name of Expert:</b>	<b>Mr. Ganesh K. Wanve</b>
<b>Designation:</b>	<b>Project Engineer</b>
<b>Organization:</b>	<b>Pioneer Automation Services, Pune</b>
<b>Experience:</b>	<b>12 Yrs</b>
<b>Date:</b>	<b>18.03.2024</b>
<b>Time and Duration:</b>	<b>09:00 am to 12:00 pm</b>

**Remuneration Details:**

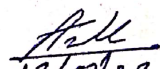
Number of Hrs. of session	Remuneration/ Hr.	Total
3 Hours	1000 /-	3000 /-
		Rs. 3000 /-


You are hereby requested to kindly permit the conduction of the above said session and sanction the remuneration of Rs. 3000 /- only.

  
Prof. Sayali Dhumal  
Course Faculty





Remark by Principal:

*Allowed & approved*  
  
18/03/24

  
Prof. Y. R. Ingole  
Head of Department  
**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041





	<p align="center"><b>ZEAL EDUCATION SOCIETY'S</b>  <b>ZEAL COLLEGE OF ENGINEERING AND</b>  <b>RESEARCH</b>  <b>NARHE   PUNE -41   INDIA</b></p>	
Record No.: ZCOER-ACAD/R	Revision: 00	Date: 01/04/2021

**Expert Session One Page Report**

Date: 18.03.2024

To,  
The H.O.D.  
Robotics & Automation Engineering Department,  
ZCOER, Narhe.

**Subject:** Report of Hands-on session conducted on topic “Automation in Industry using PLC & SCADA” at ZCOER, Narhe.

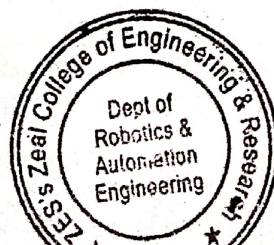
Respected Sir,

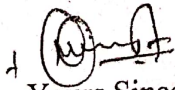
With reference to above mentioned subject, I would like to inform you that **Mr. Ganesh Wanave, Project Engineer, Pioneer Automation Services, Pune** has successfully conducted a hands-on session for the SE, TE and BE student on the topic “Automation in Industry using PLC & SCADA”. 37 students of SE, TE and BE were present for this session and the session was very interesting and interactive, **Mr. Ganesh Wanave** conducted hands on session using Ladder Logic Software, SCADA Software & HMI Software.

**Topics discussed during lecture:**

Sr. No	Contents Covered	POs Mapping to the Contents
1	<p>The Session was planned for students to have Hands-on session for PLC &amp; SCADA. Mr. Ganesh Wanave shared valuable information about Industrial need of PLC &amp; SCADA for automation and demonstrated the same with many applications.</p> <p>The session covered:</p> <ol style="list-style-type: none"> <li>1. Basics of PLC with I/O's, Power Supply, Registers.</li> <li>2. Ladder Logic using Rx Logic &amp; WPL Software</li> <li>3. SCADA integration with Ladder logic</li> <li>4. HMI interfacing with Ladder logic.</li> </ol>	<p>PO1, PO2,  PO3, PO4, PO5  PO7, PO9,  PO10, PO11,  PO12, PSO1,  PSO2, PSO3</p>

Thanking You,



  
Yours Sincerely,  
Prof. Sayali S. Dhumal





Date:01/04/2021





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NARHE | PUNE -41 | INDIA**



Record No.: ZCOER-ACAD/R/39

Revision: 00

Date: 01/04/2021

**Notice**

**Department: Robotics & Automation**

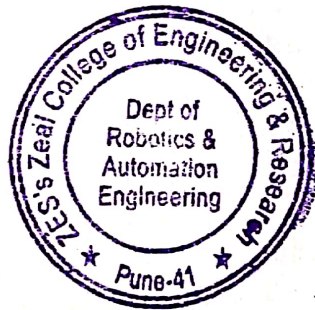
**Sem: II**

**Academic Year: 2023-2024**

**Date: 16.03.2024**

This is to inform that a Hands-on Session by Mr. Ganesh K. Wanve, Project Engineer, Pioneer Automation Services, Pune is scheduled on Topic "Automation in Industry using PLC & SCADA" on Monday, 18<sup>th</sup> March, 2024 from 9:00 am to 12:00 pm.

**Attendance is compulsory to all.**



**Prof. Y. R. Ingole**  
**Head of the Department**

**Head of Department**  
Dept. of Robotics & Automation Engg.  
ZES's Zeal College of  
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Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Hands on Session Attendance Sheet**

Department: Robotics & Automation Engineering

SEM: II

Academic Year: 2023-2024

Date: 18.03.2024

Time: 10.00 am – 01.00 pm

**Hands on Session on Industrial Process Automation using PLC and SCADA**

Learning Objectives : Students are able to

- |    |  |
|----|--|
| 01 | Ladder logic using RX logic & WPL Software.        |
| 02 | HMI Interfacing & Ladder logic & SCADA Integration |

S.N.	Class	Roll No.	Name of Students	Sign
01	BE	B1511003	Sruishti Chandrakant Bagawe	
02	BE	B1511034	Aditi Pandurang Mode	
03	BE	B1511024	JAGAT SIDDHEEM PRAVIN	
04	BE	B1511059	Shaikh Mohamad Zain	
05	SE	S1511071	Shivani takale	
06	BE	B1511006	Samruddhi S. Bhosle	
07	BE	B1511026	Ninad M. Kalambe.	
08	BE	B1511023	Pratham G. Jagtap	
09	BE	B1511046	Rushikesh N. pudale	
10	TE	T1511007	Arjun Bijoy	
11	TE	T1511033	Aditya Patkar	
12	TE	T1511003	Bhagat Divyal Ramvinay	
13	TE	T1511011	Chalarakal Levin Vincent	
14	BE	B1511060	Rima Yogesh Sharma	
15	TE	T1511028	Manav A. Jori	
16	BE	B1511017	Rohan Vinayak Dhurmal	
17	BE	B1511041	Patil - Bhavika Tarunkumar	
18	BE	B1511062	Shinde Anisha Maruti	
19	SE	S1511074	Harsh Manish Ahuja	
20	SE	S1511001	Shreshth Shrikant Shinde	
21	TE	S1511024	Vishwaraj R. Tadhar	
22	TE	S1511028	Harshal B. Tadhar	
23	TE	T1511041	Sweekar Molite	
24	TE	T1511032	Divya Kathare	
25	TE	T1511040	Adityant Mehta	
26	SE	S1511066	Pratik Narayan Dhawane	
27	SE	S1511004	Shivam Ghadge	
28	SE	S1511014	Sahil Pankaj Nikam	
29	SE	S1511024	Riya Rajendra more	
30	SE	S1511008	Sanika Manoj shete	
31	SE	S1511016	Kalyani Santosh Khopke	
32	SE	S1511069	Manali Bagal	
33	SE	S1511075	Prangali Nate	
34	SE	S1511040	Sweety Shinde	
35	SE	S1511015	Prochi Pharawane	





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Record No.: ACAD/R/21B

Revision: 00

Date: 01/04/2024

**Industry Expert/ Guest Faculty Session Feedback Analysis**

Department: Robotics & Automation

Academic Year: 2023-2024

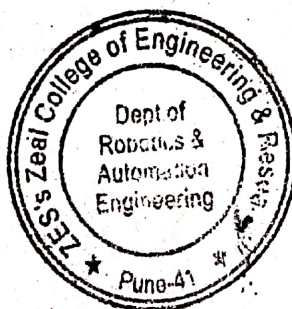
Semester: II


Date: 18.03.2024

Name of Expert/ Guest: Mr. Ganesh K. Wanve

Sr. No.	Attribute	No. of responses	Marks	
			Obtained	%
1	How would you rate the content of the session?	21	93	89
2	How would you rate the knowledge of the guest for the session?		93	89
3	How would you rate the content delivery method of the guest for the session?		90	86
4	How would you rate the management of the session?		89	85
5	Do you think the content of the session added to your knowledge?		103	98

  
Feedback Coordinator



  
H.O.D.  
**Head of Department**  
Dept. of Robotics & Automation  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041







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**NARHE | PUNE -41 | INDIA**



Record No.: ACAD/R/21B

Revision: 00

Date: 01/04/2021

**Industry Expert/ Guest Faculty Session Feedback Analysis**

Department: Robotics & Automation

Academic Year: 2023-2024

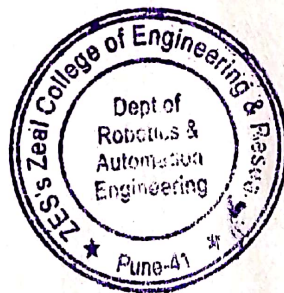
Semester: II

Date: 18.03.2024

Name of Expert/ Guest: Mr. Ganesh K. Wanve

Sr. No.	Attribute	No. of responses	Marks	
			Obtained	%
1	How would you rate the content of the session?	21	93	89
2	How would you rate the knowledge of the guest for the session?		93	89
3	How would you rate the content delivery method of the guest for the session?		90	86
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Feedback Coordinator



  
H.O.D.

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Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Expert Session One Page Report**

Date: 18.03.2024

To,  
The H.O.D.  
Robotics & Automation Engineering Department,  
ZCOER, Narhe.

**Subject:** Report of Hands-on session conducted on topic “Automation in Industry using PLC & SCADA” at ZCOER, Narhe.

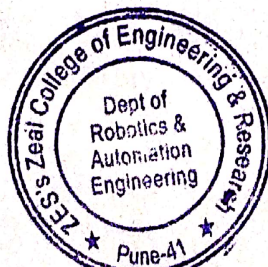
Respected Sir,

With reference to above mentioned subject, I would like to inform you that **Mr. Ganesh Wanave, Project Engineer, Pioneer Automation Services, Pune** has successfully conducted a hands-on session for the SE, TE and BE student on the topic “Automation in Industry using PLC & SCADA”. 37 students of SE, TE and BE were present for this session and the session was very interesting and interactive, **Mr. Ganesh Wanave** conducted hands on session using Ladder Logic Software, SCADA Software & HMI Software.

**Topics discussed during lecture:**

Sr. No	Contents Covered	POs Mapping to the Contents
1	<p>The Session was planned for students to have Hands-on session for PLC &amp; SCADA. Mr. Ganesh Wanave shared valuable information about Industrial need of PLC &amp; SCADA for automation and demonstrated the same with many applications.</p> <p>The session covered:</p> <ol style="list-style-type: none"><li>1. Basics of PLC with I/O's, Power Supply, Registers.</li><li>2. Ladder Logic using Rx Logic &amp; WPL Software</li><li>3. SCADA integration with Ladder logic</li><li>4. HMI interfacing with Ladder logic.</li></ol>	<p>PO1, PO2, PO3, PO4, PO5, PO7, PO9, PO10, PO11, PO12, PSO1, PSO2, PSO3</p>

Thanking You,



Yours Sincerely,  
Prof. Sayali S. Dhupal





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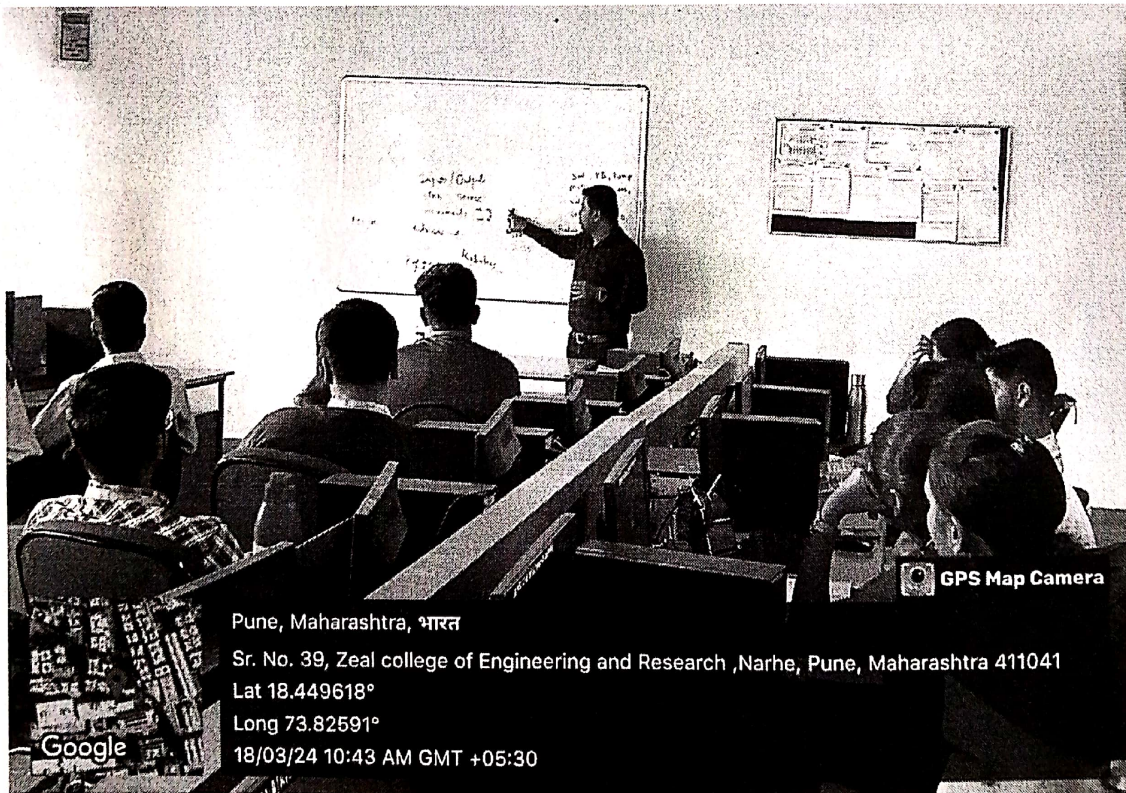
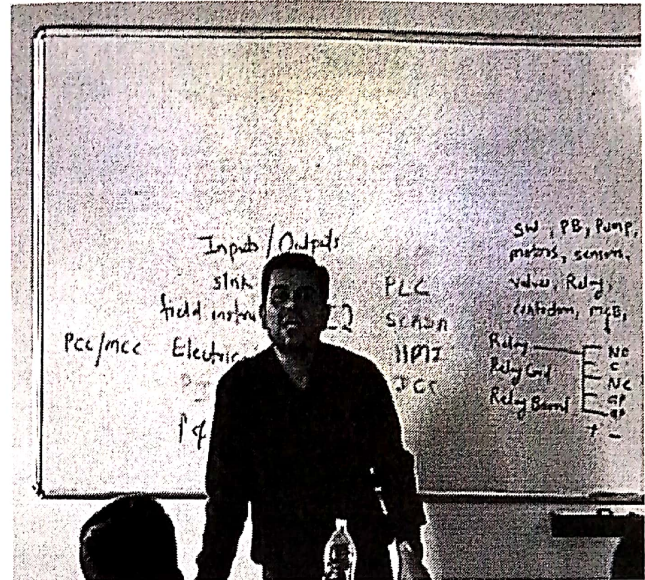
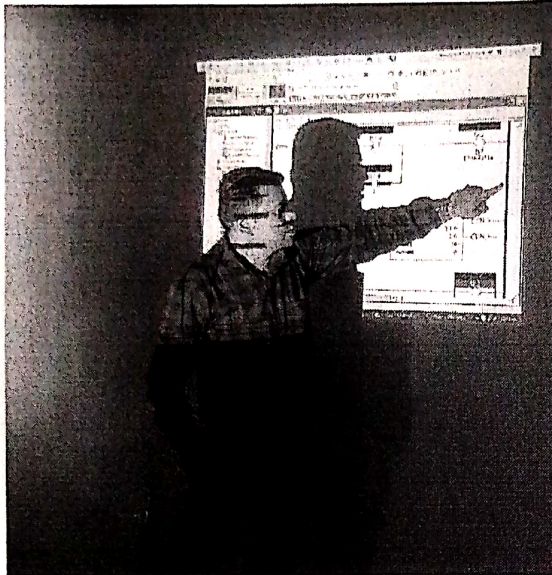


Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

Photographs/Screen shots:



Pune, Maharashtra, भारत

Sr. No. 39, Zeal college of Engineering and Research ,Narhe, Pune, Maharashtra 411041

Lat 18.449618°

Long 73.82591°

18/03/24 10:43 AM GMT +05:30

Expert **Mr. Ganesh Wanave** has successfully conducted a hands-on session for the SE, TE and BE student on the topic **“Automation in Industry using PLC & SCADA”** dated 18.03.2024.  
Total count of students : 37





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Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Hands on Session Attendance Sheet**

Department: Robotics & Automation Engineering

SEM: II

Academic Year: 2023-2024

Date: 18.03.2024

Time: 10.00 am – 01.00 pm

**Hands on Session on Industrial Process Automation using PLC and SCADA**

**Learning Objectives : Students are able to**

- |    |  |
|----|--|
| 01 | Ladder logic using Rx logic & WPL Software.        |
| 02 | HMI Interfacing & Ladder logic & SCADA Integration |

S.N.	Class	Roll No.	Name of Students	Sign
01	BE	B1511003	Srushti Chandrakant Bagawar	Srushti
02	BE	B1511034	Aditi Pandurang Mode	Aditi
03	BE	B1511024	JAGTAP SIDDHEEM PRAVIN	Jagtap
04	BE	B1511059	Shaikh Mohamad Zain	M.Zain
05	SE	S1511071	Shivani Takale	Shivani
06	BE	B1511006	Samruddhi S. Bhosle	Samruddhi
07	BE	B1511026	Ninad M. Kalambe.	Ninad
08	BE	B1511023	Pratham G. Jagtap	Pratham
09	BE	B1511046	Rushikesh N. pudale	Rushikesh
10	TE	T1511007	Arjun Bijou	Arjun
11	TE	T1511033	Aditya Patkar	Aditya
12	TE	T1511003	Bhagat Uday Ramviray	Bhagat
13	TE	T1511011	Chaturkal Levin Vincent	Levin
14	BE	B1511060	Roma Yogesh Sharma	Roma
15	TE	T1511028	Manav A. Jori	Manav
16	BE	B1511017	Rohan Vinayak Dhuma	Rohan
17	BE	B1511041	Patil - Bhavika Tarunkumar	Bhavika
18	BE	B1511062	Shinde Anisha Maruti	Anisha
19	SE	S1511074	Harsh Manish Ahuja	Harsh
20	SE	S1511001	Shreshth Shrikant Shinde	Shreshth
21	TE	S1511024	Vishwaraj R. Jadhav	Vishwaraj
22	TE	S1511028	Harshal B. Jadhav	Harshal
23	TE	T1511041	Sweekar Mawite	Sweekar
24	TE	T1511032	Dina Kathare	Dina
25	TE	T1511040	Adityant Moha.	Adityant
26	SE	S1511066	Pratik Nazaran Dhawane	Pratik
27	SE	S1511004	Shivam Ghadge	Shivam
28	SE	S1511014	Sahil Pankaj Nikam	Sahil
29	SE	S1511024	Riya Rajendra more	Riya
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31	SE	S1511016	Kalyani Santosh Khapke	Kalyani
32	SE	S1511069	Manasi Bagal	Manasi
33	SE	S1511075	Prangali Nate	Prangali
34	SE	S1511040	Sweety Shinde	Sweety
35	SE	S1511015	Prachi Dharwadkar	Prachi







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Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

**Hands on Session Attendance Sheet**

Department: Robotics & Automation Engineering

SEM: II

Academic Year: 2023-2024

Date: 18.03.2024

Time: 10.00 am – 01.00 pm

**Hands on Session on Industrial Process Automation using PLC and SCADA**

Learning Objectives : Students are able to

01

02

S.N.	Class	Roll No.	Name of Students	Sign
36	SE	51511036	Vidula Sardesai	
37	BE	51511002	Bagade Sakshi Laxman	
38				
39				
40				
41				
42				
43				
44				
45				

Head of the Department

**Head of Department**

Dept. of Robotics & Automation Engg  
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**Letter of Thanks**

Date: 18.03.2024

To

**Mr. Ganesh K. Wanve,  
Project Engineer,  
Pioneer Automation Services, Pune.**

**Subject: Letter of Thanks.**

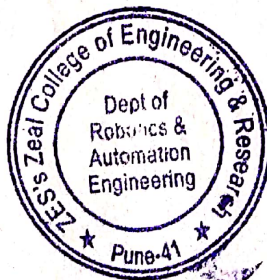
The Zeal Education Society's ZCOER would like to thank you for enlighten us on one of the emerging topic. Your talk on about "Automation in Industry using PLC & SCADA" was one of the new technologies studied by our students. It was an honor for Zeal College of Engineering and Research to have you as our resourceful eminent speaker.

We believe that the knowledge you have shared will help immensely in the development of the students and eventually translate into better future for them.

We know that your time is precious, and we are grateful you shared some of it with us. We look forward to getting more time from your side to arrange such seminars in future.

Again, thank you so much. We hope to see you soon again.

Ganesh Wanve  
*Ganesh*  
18/03/2024.



**Prof. Y. R. Ingole  
Head of Department**

**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
Engineering & Research  
Narhe, Pune-411041







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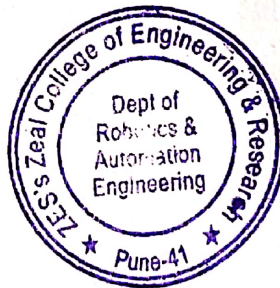
**EXPERT LECTURE CONDUCTION CERTIFICATE**

Date: 18.03.2024

To whom it may concern

Mr. Ganesh K. Wanve, Project Engineer, Pioneer Automation Services, Pune has conducted expert lecture for Fourth Year Robotics & Automation Engineering students on the topic "Automation in Industry using PLC & SCADA" organized by Department of Robotics & Automation Engineering dated 18<sup>th</sup> March 2024 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe, Pune -41, India.

Ganesh Wanve  
Ganesh  
18/03/2024.



**Prof. Y. R. Ingole**  
**Head of Department**

**Head of Department**  
Dept. of Robotics & Automation Engg  
ZES's Zeal College of  
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Narhe, Pune-411041

