

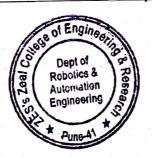


Date:01/04/2021 Revision: 00 Record No.: ZCOER-ACAD/R

5.1.3 Index

1.3 Capacity building and skills enhancement initiatives taken by the institution include the following

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 RoboticsSystem Develoment	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, Frelancer Trainer, Pune	
6	Career Opportuinities & 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.PremNaik, Infinite Graphix Technologies pvt ltd, Pune	
12	Generative AI	13.01.2024	TE-41 BE-20	Dr.SubhashTatale, Infosys Ltd.	
13	Start-up Challenges	16.01.2024	SE-16 TE-23 BE- 16	Mr.AniruddhaGunjal, 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.BhagyashriVathare, NITI Aayog, Government Training Center, Pune	
16	Resume Building and Soft Skill Development for Interview Preparation	06.02.2024	SE & TE - 54	Mrs.AnkitaDudhani, Freelancer, Trainer and Consultant,Pune.	
17	Entrepreneurship Development	26.02.24	SE & BE - 40	Mr.NileshSabe, 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.AvinashChauhan, 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.	



Wead of the Department

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





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

Div: A

Date: 10/07/2023

To.

The Principal ZCOER, Pune

Class: TE & BE

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.

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

Remuneration Details:

	Number of Hrs. of session	Remuneration/ Hr.	Total
F	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/-

. S. Dhumal

Course Faculty

Prof. Y. R. Ingole Head of Department

Remark by Principal:

Dept of Robotics & Automation Engineering



ZEAL COLLEGE OF ENGINEERING & RESEARCH, PUNE MATHWORKS

Department of Robotics & Automation Engineering (R&A)

Friday, 14/07/2023 (1) 10.00 am Onwards

In Association with



MathWorks[®]

MATLAB STUDENT CHAPTER

Organizes



Ur. Pranav Lad Senior Customer Success Engineer MathWorks, Pune

One Day Hands-on Session on "Interfacing of MATLAB with ROS for Robotics System Development"

Follow us at : zealinstitutes (f) ((i) (ii)





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 14th July, 2023 from 10:00 am to 01:00 pm.

Attendance is compulsory to all.

Dept of Robertos & Automation Engineering

Prof. Y. R. Ingole

Head of Department

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



Robotic Systems Development Using ROS with MATLAB Date: 14th July 2023

	Agenda
10:00 AM – 11:30 AM	 Introduction and Overview of ROS What, Why, and How ROS? Explore ROS Networks Messages and Topics Terminologies – ROS Nodes, Subscribers, Publishers ROS and ROS2 connectivity with MATLAB
	 Hands-on Tutorial ROS Control Project: Navigate through a Maze
11:30 AM – 1:00 PM	 Introduction to VMware Co-simulation with Gazebo Deploying ROS nodes Overview of Low-cost Hardware Connectivity Using ROS on Raspberry pi using MATLAB and Simulink
	 Using ROS on Rasportry prusing the Resources Discussion and Q&A

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: 14th July 2023

Speaker's Bio:



Dr. Pranav Lad 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.





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.	Contents Covered	POs Mapping to the Contents
	The Session was planned to keep in view of research in the field	PO1, PO2, PO4,
	MATLAR GILL interfacing with ROS.	PO5,PO8, PO9,
1	Dr. Drangy, Lad shared valuable information about MATLAB &	PO10, PO12, PSO1,
	SIMULINK Onramp and interfaced MATLAB GUI with ROS and	PSO2
	demonstrated the same with one application.	

Thanking You,

Yours Sincerely

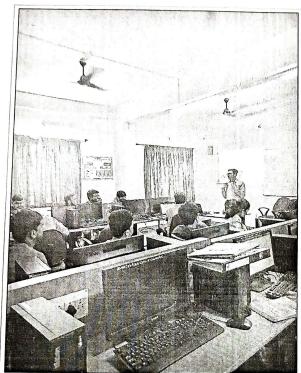
Prof. Kotkar A. S.



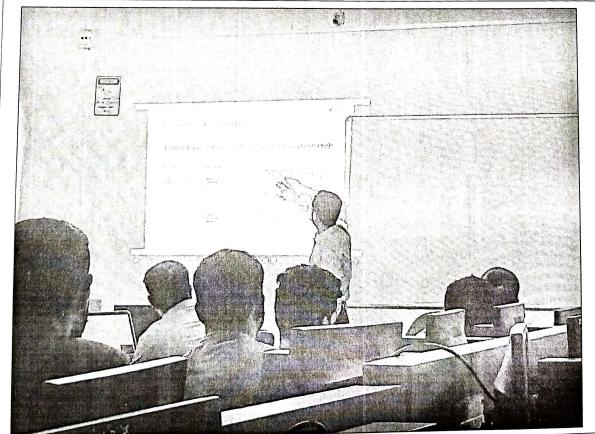


Record No.: ZCOER-ACAD/R Revision: 00 Date:01/04/2021

Photographs/Screen shots:











Record No.: ZCOER-ACAD/R

Revision: 00



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



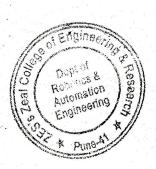


EXPERT LECTURE CONDUCTION CERTIFICATE

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 14th 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 Robitics & Automation Engineering & Research
Narhe, Pune-411041

Received





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.

Dept of Robotics & Automation Engineering S

Prof. Y. R. Ingole Head of Department

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

p.p.lad





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

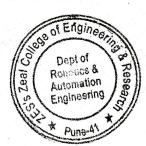
Semester: I

Date: 14.07.2023

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

Sr.			Marks	
No.	Attribute	No. of responses	Obtained	%
1	How would you rate the content of the session?		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?	20	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





H.O.D.

Head of Department

Dept. of Robitics & Automation En

ZES's Zeal College of

Engineering & Research

Narhe, Pune-411041



Class: BE A

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

Hands-on/Expert Session Attendance Sheet

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023-2024

Date: 14.07.2023

Time: 10:30 to 01:00 pm

Subject: Robot operating System

Topic: Interfacing of MATLAB with ROS for Robotics System Development

Sr. No	Class	Roll No	Name of Students	Sign
01	B.E.	181511034	Aditi Pandurang Mate	Aude
02	B.E	71511002	Sakshi Laxman Bagaole	gafshi.
03	B.E	T15110 33	Abhishek Yashwant Mokoadko	y Div
04	B.E	T1511069	Yash Shankar Waman	र्जामग्र
05	8€.	B1511050	Rasal Vaibhar sanjay	2000
06	BE	B1511066	SRUSHTI SADANAND THORAT	SRUSTI.
07	BE	B1511030	Kwe chaitanya vitthal	Kendaja
08	BE	B1511069	Mohummed Lein shuikh	M. Zein
09	BE	31511057		Shar.
10	BE	B 1511068	Nikunj - (. Shah Haghmore Lambodor Vijay	835
11	BE	B1511054	Salunthe Nikee Ashok	Salunithe
12	Be	B1511042	Patil Yash Prabhakar	Matil
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22				

Expert Session Coordinator

Dept of Rolling Automation Automation Engineering

Head of Department Head of Department

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





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 Time: 10:30 to 01:00 pm

Subject: Robot operating System Time: 10::
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	Levis
02	TE	T1511038	Yash Mahamumi	W # =
03	TE	T1511003	Ujiwal Shagat	Glivas
04	TE	71511049	OMKAR PARAB	Owkoz
05	TE	T1511074	Wange vaishnayi	Yange
06	TE	11511027		Chalan
07	TE	T1511061	Laibhaui Somnath Shelke	Jaldin
08	TE	T1511034	Avantika Koli	(A) di
09	TE	77511013		
10	TE	T1511047		- Jamely -
11	T.E	TIS11043	Robul more	for the second
12	T.E	T151610	Chinnay Rajesh Chakral	Columbia de la colonia de la c
13	TIE	T15(1045		1 - (nine)
14	TE	71511040	Adityahant R. Mohta.	Addis
15	TE	T1511004	Pranali Sukhder Bhanbhan	Munch SB
16	T.E		Harshal B. Jadhau	Jadhours
	T.E.	T1511028	Manay A. Jon	M4'
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20				
21				
22				

Expert Session Coordinator

Dept of Programme Programm

Head of Department

Head of Department

Dept. of Robitics & Automation Engg.

ZES's Zesi College of

Engineering & Insearch Narhe, Pune-411041





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: BE

Div: A

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.

1110 0001 -	
Name of Expert:	Mrs. Pooja Prachand
200-8	
Organization:	Alpha Techsys Automation, Pune.
Experience:	8 Yrs
Date:	20/07/2023
Time and Duration:	10: 00 am to 12:00 pm

Remuneration Details:

	D tion/II.	Total
Number of Hrs. of session	Remuneration/ Hr.	1000
1 (41116	1000/ par hour	2000/-
2 Hrs	1000/- per hour	
		(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:







ZEAL COLLEGE OF ENGINEERING & RESEARCH, PUNE

Department of Robotics & **Automation Engineering**

Organizes

Hands on Session on

"Machine Vision System."

BE Robotics & Automation Engineering Students



20/07/2023

(L) 10.00 am to 12.00 pm

Speaker



Ms. Pooja Prachand **Business** head AlphaTechsys Automation,Pune.

Session Coordinator: Prof. Sayali Dhumal





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 20th July, 2023 from 10:00 am to 12:00 pm.

Attendance is compulsory to all.

Dept of Robustos & Automatical Engineering

Prof. Y. R. Ingole

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





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

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Prof. Y. R. Ingole
Head of Department

Engineering & Research Narhe, Pune-411041





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 20th July 2023 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe, Pune -41, India.

Deal College A Season A Season College A

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

Dupt. of the ZED have Engineering & Research

Narhe, Pune-411041

Received





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:

		POs Mapping to
Sr.	Contents Covered	the Contents
No		PO1, PO2, PO3,
	The Session was planned to keep in view the results of the Vision System	PO4, PO5, PO7,
		10),1010,
1		PO12, PSO1, PSO2,
		PSO3

Thanking You,

Yours Sincerely,

Prof. Sayali S. Dhumal





Record No.: ZCOER-ACAD/R

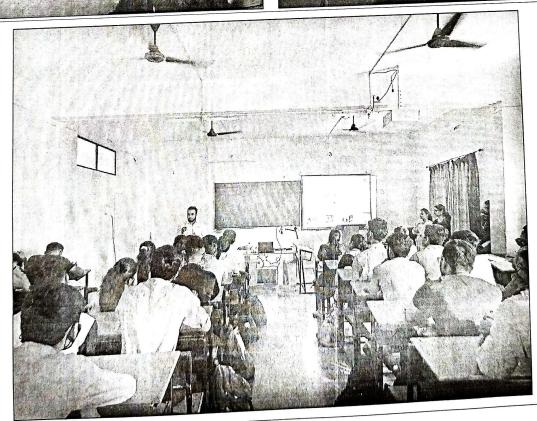
Revision: 00

Date:01/04/2021

Photographs/Screen shots:





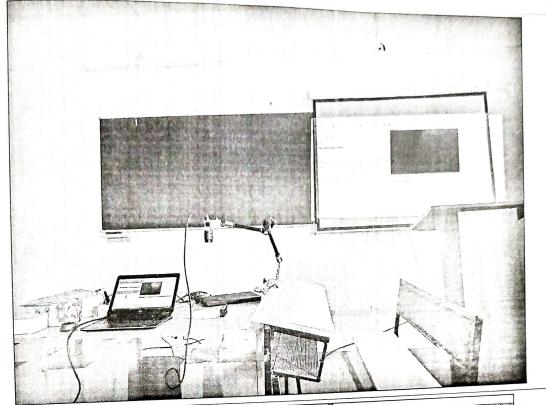






Record No.: ZCOER-ACAD/R

Revision: 00





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





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.	A 441	N. C.	Marks	
No.	Attribute	No. of responses	Obtained	%
1	How would you rate the content of the session?		75	93.75
2	How would you rate the knowledge of the guest for the session?	No. of responses	74	92.50
3	How would you rate the content delivery method of the guest for the session?	16	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
	1000	1	Average%	93.25

Prof. Bikesh Kumar

Feedback Coordinator

Den of a Boundary of Boundary

Prof. Y. R. Ingole

H.O.D.

Head of Department
Dept. of Robbits & Automotion Expenses
ZES's Zeal College of
Engineering & Research
Narhe, Pune-411841





Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Expert Session Attendance

Department: Robotics & Automation Engineering Class: BE A

SEM: I

Academic Year: 2023 -2024

Date: 20 107/23

Subject: MVS

Topics Covered: Introduction to MVS

Time: 10:00 am to 12:00 pm

S.N.	Roll No.	Name of Students	Sign
01 A1	B1511001	ANDURE VINIT DEEPAK	
02 A1	B1511002	BAGADE SAKSHI LAXMAN	Glakshe
03 A1	B1511003	BAGAWE SRUSHTI	Pogawe
04 A1	B1511004	BAKARE AUM	70-70-2
05 A1	B1511005	BHADE NAHUSH ANIL	
06 A1	B1511006	BHOSLE SAMRUDDHI	
07 A1	B1511007	BURTE RUTVIK	25
08 A 1	B1511008	CHAUDHARI LALIT VINOD	mars
09 A1	B1511009	CHAUHAN YASH	
10 A1	B1511010	CHAVAN ANIKET	
11 A1	B1511011	CHAVAN PRATHAMESH	Kashomet
12 A1	B1511012	CHOWDHARY PANKAJ	Pankol
13 A1	B1511013	DESHMUKH AACHAL	
14 A1	B1511014	DEVAKAR SHRIDATTA	AND
15 A1	B1511015	DHAMNE MIHIR GANESH	
16 A1	B1511016	DHOTRE DEVESH MALIK	Texes
17 A1	B1511017	DHUMAL ROHAN	Harnal
18 A1	B1511018	GADE OM PRADEEP	
19 A1	B1511019	GAIKWAD SURAJ DHANAJI	Taitured
20 A1	B1511020	INDORE RAHUL BHASKAR	Those
21 A1	B1511021	JADHAV RAHUL AJIT	
22 A1	B1511022	JAGTAP ABHISHEK	
23 A1	B1511023	JAGTAP PRATHAM	Higtor.
24 A1	B1511024	JAGTAP SIDDHESH PRAVIN	EX
25 A2	B1511025	KADU OM SANDEEP	•
26 A2	B1511026	KALAMBE NINAD MILIND	Vinecal
27 A2	B1511027	KALE SHRINIVAS	`
28 A2	B1511028	KHEDEKAR CHETAN	Exhedetay.
29 A2	B1511029	KSHIRSAGAR AVANTI	11 ,
30 A2	B1511030	KUTE CHAITANYA -	A hallant
31 A2	B1511031	LAHAMAGE TEJAS KIRAN	Tel Coop
32 A2	B1511032	MAHENDRE VINAY	Thomas Gm
33 A2	B1511032	MALWADKAR ABHISHEK	Z bh
34 A2	B1511034	MATE ADITI PANDURANG	Quate.
35 A2	B1511035	MORE PRAJWAL	Der
36 A2	B1511036	NACHAN GOKUL	100
37 A2	B1511030	NAIK KHUSHI BHASKAR	gal .
38 A2	B1511037	NAWAL SHIVAM DILIP	0.1
30 AZ	95011610	NAWAL SHIVAMI DILIP	Nover





Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

		Name of Students	Sign
S.N.	Roll No.	NIKURE PRAJWAL	
39 A2	B1511039	PARDESHI SOURABH	Cardeshi
40 A2	B1511040		Estil.
41 A2	B1511041	PATIL BHAVIKA PATIL YASH PRABHAKAR	Mah L
42 A2	B1511042	PATIL YASH PKABHAKAK	Aus
43 A2	B1511043	PAWAR VRUSHAB PORE AJIT PANDURANG	D-
44 A2	B1511044		
45 A2	B1511045	PRAJAPATI NILESH	Rushikesb
46 A2	B1511046	PUDALE RUSHIKESH	Madirities
47 A2	B1511047	RANDIVE VYANKTESH	
48 A2	B1511048	RANGATE YASH	(1,-1
49 A3	B1511049	RANGREJ MUZAFFAR	STANSOT !
50 A3	B1511050	RASAL VAIBHAV SANJAY	Service !
51 A3	B1511051	RAUT PRATIKSHA DINESH	Branoli'
52 A3	B1511052	ROKADE PRANALI	Mada
53 A3	B1511053	SABLE TUSHAR	Jakine.
54 A3	B1511054	SALUNKHE VIKEE ASHOK	Just ve
55 A3	B1511055	SALUNKHE YASH AJAY	
56 A3	B1511056	SANDUPATLA ANIKET	Rhar.
57 A3	B1511057	SHAH NIKUNJ	1)
58 A3	B1511058	SHAIKH AFAAN KHALID	4.4.
59 A3	B1511059	SHAIKH MOHAMMED	+1.9ain
60 A3	B1511060	SHARMA PRERNA	ALIAN S
61 A3	B1511061	SHEIKH LAYBA MAHIN	1.10/001
62 A3	B1511062	SHINDE ANISHA MARUTI	higher.
63 A3	B1511063	SURYAWANSHI SURAJ	Secret.
64 A3	B1511064	THORAT SRUSHTI	SRUM
65 A3	B1511065	THORAT VAISHNAVI	Mosecut
66 A3	B1511066	TUKARAL ASHISH	
67 A3	B1511067	VASVE KAUSHAL	D mahil
68 A3	B1511068	WAGHMARE LAMBODAR	VIII VIII
69 A3	B1511069	WAMAN YASH SHANKAR	(वामग
70 A3	B1511070	YADAV SAHIL POPAT	200
/U A3	DIJITOTO	Present Students Count	45

Head of Department





Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Expert Session Details

Department: Robotics & Automation

Date: 25/07/2023

		Expert Speaker Details					
Name	Mrs. Pooja Prachand						
Designation		Business Head					
Company		Alpha Techsys Auto	mation, Pune				
Mode of Session	Offline Location			В	B3-08		
		Expert Session Details					
Date & Time	Duration Hrs	Topic Covered		To Stren	dance otal gth=70	Amount in Rs.	
	1113			P	A	2000	
20.07.2023	02	Machine Vision System		45	25	2000	
10 am to 12 pm		Total Remuneration In Words: Two Thousan		eration	2000		
Total Hrs	02			sand Only			
		Expert Speaker Bank Detai	ils			· · · · · · · · · · · · · · · · · · ·	
NIama		Pooj	a Prachand				
Name		ICICI BANK					
Bank		Pune-Satara Road, Pune					
Branch		033705010250					
Account Number		ICIC0000337					
IFSC Cod	de	ICI					

Dept of Robules & Auromatica Engineering & Pune-41

Prof. Y. R. Ingole

on Reduce à Australia 2019 à Zond Colognal 2019 à Bullecologna 2019 à Ponde Calland

Recommended

24/08/23





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: BE

Div: A

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.	2 2
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

filete

19/0/1000





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: 1

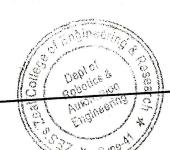
Date: 20.07.2023

me of Expert/ Guest: Mrs. Pooja Prachand

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

Prof. Bikesh Kumar

Feedback Coordinator



Prof. Y. R. Ingole

H.O.D.

Head of Department Dept. of Robitics & Apparel Dept. Of Robitics & Apparel Dept. Dep





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.

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

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

Capt of Roberts &

Ausonation

namaering

the remuneration of Rs. Nil.

Course Faculty

Remark by Principal:

Allowed

Alake

31/08/2023

Prof. Y. R. Ingole

Head of Department

Head of Department

Dept. of Robitics & Automation Enga ZES's Zeal College of Engineering & Research

Narhe, Pune-411041





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 03rd August, 2023 from 10:30 am to 01:30 pm at CSMA Hall.

Session 1: MS Excel Basics

Session 2 : TBD

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

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

CSMA Hall

CSMA Hall

Attendance is compulsory to all.

Dept of Robotics & Automation Engineering

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

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





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.	Contents Covered	POs Mapping to the Contents
No	Mr. Anup Pradhan 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.	

Thanking You,

Yours Sincerely





Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Photographs/Screen shots:







Record No.: **ZCOER-ACAD/R**

Revision: 00

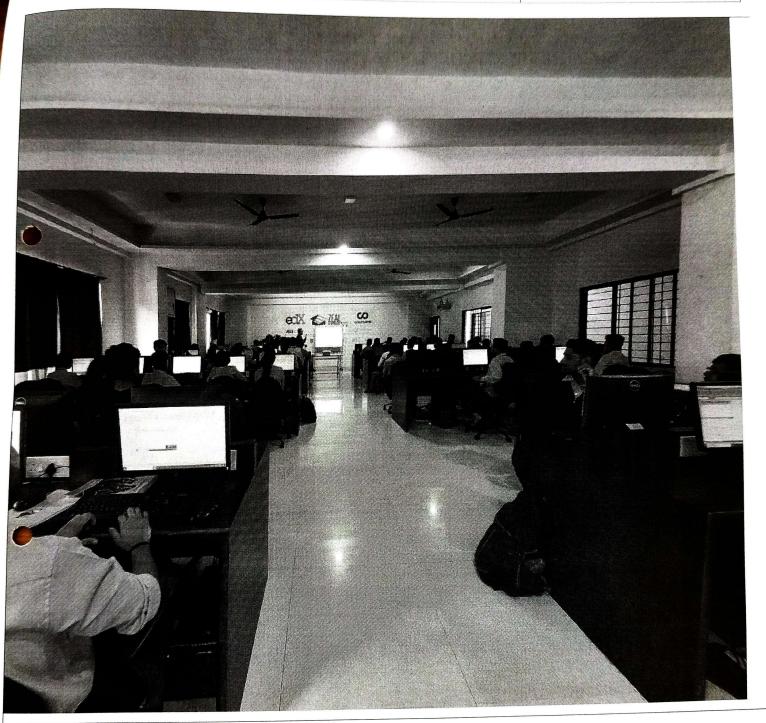






Record No.: ZCOER-ACAD/R

Revision: 00

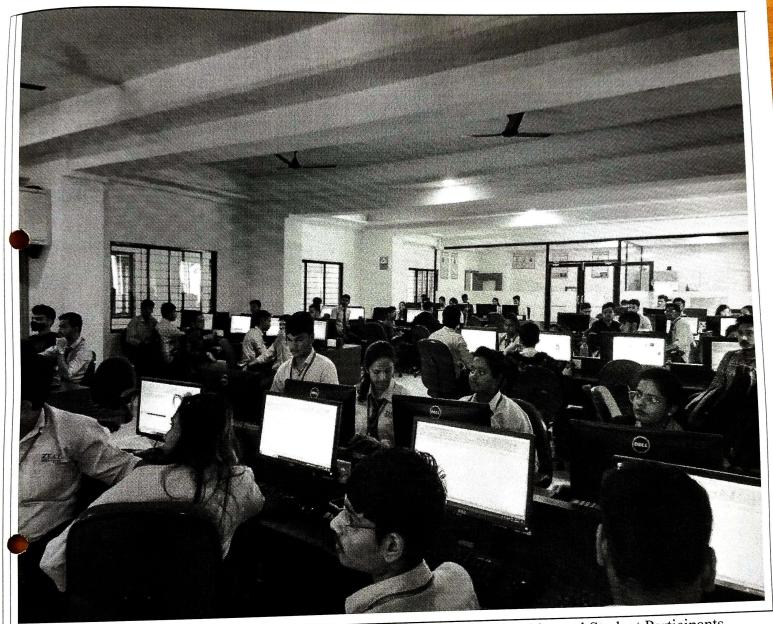






Record No.: ZCOER-ACAD/R

Revision: 00



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



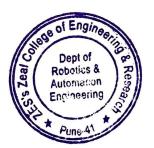


EXPERT LECTURE CONDUCTION CERTIFICATE

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 3rd Augest 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 Robitics & Automation Engg.
ZES's Zeal College of
Engineering & Research
Narhe, Pune-411041





Letter of Thanks

Date: 03/08/2023

To.

Mr. Anup Pradhan

Technical trainer,

Training & Placement Department,

Pune.

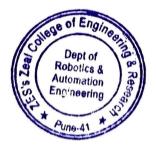
Subject: Letter of Thanks.

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





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

Industry Expert/ Guest Faculty Session Feedback Analysis

Department: Robotics & Automation

Date: 03.08.2023

Academic Year: 2023-2024

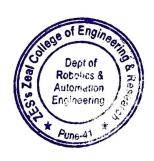
Name of Expert/ Guest: Mr. Anup Pradhan

4		•	
			۱

Semester: I

			Ma	arks
Sr. No.	Attribute	No. of responses	Obtained	%
1	How would you rate the content of the session?		184	84
	How would you rate the knowledge of the guest for the		185	84
2	session? How would you rate the content delivery method of the	44	185	84
3	guest for the session?	-	176	80
4	How would you rate the management of the session?			
	Do you think the content of the session added to your		204	93
5	knowledge?			2/6

edback Coordinator







Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

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	partment: lass: TE A	Robotics & Automation Engineer	ring	SEM: I		ademic te: 03	Year: 2	
Sr. N		Name of Students	08:30 to 09:30 am	to	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	11	11	/	/		-
02 A1	T1511002	BAGAL KAWAL YOGESH	11	111	1			
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04 A1	T1511004	BHANBHANE PRANALI SUKHDEV	-	0		Tel	5	Sw
05 A1	T1511005	BHASKAR YASH BHARAT	Your	Your	1086	Yall	Yours-	188
06 A1	T1511006	BHUJBAL NEHA BHARAT			1		MAY	Mahy
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08 A1	T1511008	BODAKE SAURABH	Toolek	Reday	FL SK	The	15 July	N/W
09 A I	T1511009	BONDALE KUNAL MANDAR	RU	RUM	RIP	Cyl	DN	-Tay
10 A I	T1511010	CHAKRAL CHINMAY RAJESH			-	1		
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2 A I	T1511012	CHAVAN OMKAR RAGHUNATH	1	1	1	/		
3 A1	T1511013	CHEBALE PAVAN SHYAM						
4 A I	T1511014	CHHAPANIMOHAN ROHAN PRAVIN		1.	. / .	, /		
5 A I	T1511015	DABHADE SANKET SURESH	Rabhad	Partion	Bashod	Synthek	VE -	
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7 A I	T1511017	GADEWAR SAKSHI BALAJI	Sakohi	Zatow	SOLUM	Salaki	Z DO A	SUM
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A1	T1511024	JADHAV VISHWARAJ RAVINDRA			-121-	184	XP1.	181
Al	T1511025	JAGTAP AARYA DEEPAK					, ,)
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42	T1511029	KALE ATHARV SHIVAJI	Au	M	Acr	Aus	Bul	Ave
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2	T1511032	KATHARE DIVYA ANIL	· VOIE	West !	70	1	4	
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2	T1511038	MAHAMUNI YASH SANJAY	2		-			





Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

r. No	Roll No.	Name of Students	08:30 to 09:30	09:30 to 10:30	10:45 to 11:45	e; 11:45 to 12:45	01:30 to 02:30	02:30 to 03:30
9 A2	T1511039	MANDAVKAR RUTUJA GOPINATH	am	am	am,	pm	pm	pm
0 A2	T1511040	MEHTA ADITYAKANT RAVIKANT						
1 A2	T1511041	MOHITE SWEEKAR SUNIL	/	00.114	1	/	A TO	Alle
2 A2	T1511042	MORE ABHIJEET SHRIMANT	88M	88M	8MA	SAM	Acc	N A
3 A2	T1511043	MORE RAHUL RAJENDRA	1775	Hir.	110	11/10	140	AB
4 A2	T1511044	MORE SUSHANT SUNIL			2000/	2.00		
5 A2	T1511045	NIKAM ANIKET SANTOSH			RM	PM.		-
6 A2	T1511046	PAIGUDE SANIKA SUNIL				-		-
7 A2	T1511047	PALANGE OMKAR PRADIP			 			+
8 A2	T1511048	PANCHAL SANDHYARANI	-				_	1
9 A2	T1511049	PARAB OMKAR YOGESH	-				6	
0 A2	T1511050	PATIL VARAD VINOD			 			-
51 A3	T1511051	RAUT AKSHAY SUKHADEV	-		-	 		-
2 A3	T1511052	RAUT BHAVESH MANOJ	Blante	(A)ko	Oncus	0.4	0	Bart
3 A3	T1511053	SALUNKE ADITYA SANTOSH	AD JOSEP	() Court	VOI SAL	(Marguer	10 JOHN	ADO.
54 A3	T1511054	SALUNKHE GAJENDRASINH	+-1-			Q ~ Y		
55 A3	T1511055	SARODE LALIT VIVEKANAND	+		A.	- Gar		
6 A3	T1511056	SAYYED RAZIN ARIF	+		-	-	A PA	7
7 A3	T1511057	SHAIKH AMAN ULFAN	+ +		-	+-/		-
8 A3	T1511058	SHAIKH SAMIULHAQUE				+	 	-
9 A3	T1511059	SHAIKH SAQLAIN MUSHTAQ	Charlet	Raid	Chair la	Line	1	-
0 A3	T1511060	SHELAR ROHAN RAMCHANDRA	Bahan	Deba		Spenie		
1 A3	T1511061	SHELKE VAIBHAVI SOMNATH	1	10 m	A Sill of	Sporting	2 Vallotu	N (VA)
2 A3	T1511062	SHINDE RUSHIKESH NAVANATH	Sligh	dire	Sho	St.m.	Aug.	NA.
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4 A3	T1511064	SONAWANE ROHIT RAVINDRA	112		1		1	, 4, 5
5 A3	T1511065	SUTAR ARYAN	Anjon	mya.	- my	WY	ARRIV	= Ale
6 A3	T1511066	TALATHI ASAWARI BRIJESH	N	21	A -	1	FET	
7 A3	T1511067	TANNU AMEYA GANESH	-		_			
8 A3	T1511068	TATHE KRUSHNA VINAYAK	Brutha	A CONTRACTOR OF THE PARTY OF TH	Chi sha	0	all	d STIL
9 A3	T1511069	VAIDYA SHUBHAM SANTOSH	A Pro	Sec	Subs	2 3	1	7 100
0 A3	T1511009	VISHWAKARMA SHUBHAM		120	- 05	- 23	-	-
71 A3		WAKCHAURE MUKUNDA				+-+		
	T1511071				+-+	+-+		
72 A3	T1511072	WANGE VAISHNAVI			+			
73 A3	T1511073	WANKHADE SNEHAL SHALIGRAM	1	1	EXP		-	-
	1	Subject						-
		Present Students Count		DNC		ssion	-	
		Faculty Initials	28	28		34		_

Class Teacher





Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Daily Attendance Sheet

	rtment: Re : BE A	obotics & Automation Engineer	ing S	SEM: I		ademic te: 03	Year: 2	2023-202
CIII33	· DE A		08:30	09:30	10:45	11:45	01:30	02:30
Sr. No	Roll No.	Name of Students	to	to	to	to	to	to
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02 A1	B1511002	BAGADE SAKSHI LAXMAN	O ak shi	Stales	Poksmi	4		-
03 A1	B1511003	BAGAWE SRUSHTI CHANDRAKANT	De Coure	المناهم الما	SUKSMI	Sakshr		-
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05 A1	B1511005	BHADE NAHUSH ANIL	KOL	1/0/	10	112		+
06 A1	B1511006	BHOSLE SAMRUDDHI SHEKHAR		100	100	1		-
07 A1	B1511007	BURTE RUTVIK MAHENDRA	1	N	04	2		+
08 A1	B1511008	CHÁUDHARI LALIT VINOD	-		10	20		-
09 A1	B1511009	CHAUHAN YASH NARENDRASINGH	111	+H+-	1-7-			-
10 A1	B1511010	CHAVAN ANIKET BHUSHAN	Care	(T) L	 			-
ĬI A1	B1511011	CHAVAN PRATHAMESH JITENDRA	1		7 11 4	20 1		-
12 A1	B1511012	CHOWDHARY PANKAJ	(hamen	la dianes	(Salar)	Bahama		
13 A1	B1511013	DESHMUKH AACHAL RAJESH	tunkan	Jan Lay	Jan Va	rancy		-
14 A1	B1511014	DEVAKAR SHRIDATTA MADHUKAR		100	4	100		
15 A1	B1511015	DHAMNE MIHIR GANESH	ring	ad. his	1			
16 A1	B1511016	DHOTRE DEVESH MALIK	Mund	Milia	ming	Mohy		-
17 A1	B1511017	DHUMAL ROHAN VINAYAK	Houmal	tabuna	thouse	tohuma	_	
18 A1	B1511018	GADE OM PRADEEP	CO GO		Cobade	made		
19 A1	B1511019	GAIKWAD SURAJ DHANAJI	tur	Onde:	de	The		-
20 A1	B1511020	INDORE RAHUL BHASKAR	CHAILLAND	- CACINET	A dre	1 CON		-
21 A1	B1511021	JADHAV RAHUL AJIT			190/	X AUDI		
22 A1	B1511022	JAGTAP ABHISHEK SUDHAKAR	APM	ARN	Agi -	1-80		
23 A1	B1511023	JAGTAP PRATHAM GOPINATH	14	7	Z/DI	A		
24 A1	B1511024	JAGTAP SIDDHESH PRAVIN	++1		08/	20		
25 A2	B1511025	KADU OM SANDEEP	++1	1111	- A · ·	All I		
26 A2	B1511026	KALAMBE NINAD MILIND	Donal	Almal.	Duad	NIMO	- 10	
27 A2	B1511027	KALE SHRINIVAS SANTOSH	05.21	18.01	1	1		-
28 A2	B1511028	KHEDEKAR CHETAN SANTOSH	Chair.	The die	A LAND	Main		
29 A2	B1511029	KSHIRSAGAR AVANTI MAHESH	Kyard	a ned	Shew	Evant		
30 A2	B1511030	KUTE CHAITANYA VITTHAL	No.	NEAT.	Trace	A de		
31 A2	B1511031	LAHAMAGE TEJAS KIRAN	Tarros	CET CENTE	muly	haly	2	
32 A2	B1511032	MAHENDRE VINAY GANESH	The state of the s		The state of the s	Auria.		
33 A2	B1511033	MALWADKAR ABHISHEK	Ahline	Tahu.	MOSS	DRML	,	
34 A2	B1511034	MATE ADITI PANDURANG	Amata	1	Anuly	1		
35 A2	B1511035	MORE PRAJWAL SHAMRAO	The state of the s	Amal	2210	DCAY		
36 A2	B1511036	NACHAN GOKUL NIVRUTTI	(a.11.1.	12,11	12111	2819		
37 A2	B1511037	NAIK KHUSHI BHASKAR	Ribro	Sara	SILA	Geland		
38 A2	B1511038	NAWAL SHIVAM DILIP	New (No vei	1	0	-	





Record No.: ZCOER-ACAD/R Revision: 00

Date:01/04/2021

Clas	ss: BE A	Robotics & Automation Engineer		SEM: I	Aca Dat	idemic e: ø3	Year: 2	023 -20 -3
Sr. No	Roll No.	Name of Students	08:30	09:30 to	10:45	11:45	01:30	02:30
		Same of Students	09:30	10:30	11:45	to 12:45	02:30	03:30
39 A2	B1511039	NIKURE PRAJWAL DEVIDAS	am	am	am	рm	pm	pm
40 A2	B1511040	PARDESHI SOURABH JAYDEEP	-P	- fp	1	/		
41 A2	B1511041	PATIL BHAVIKA TARUNKUMAR	2 171.	12 15	6.	1		
42 A2	B1511042	PATIL YASH PRABHAKAR	Ball	Francis	Tall	Fall		
43 A2	B1511043	PAWAR VRUSHAB VISHNU	Tall	Mark	3-4	100		
44 A2	B1511044	PORE AJIT PANDURANG	1		mi	The same of the sa		
15 A2	B1511045	PRAJAPATI NILESH KAMLESH	1000	1111	100	100		-
16 A2	B1511046	PUDALE RUSHIKESH NAMDEV	Mily	Milah	Nikeh			
7 A2	B1511047	RANDIVE VYANKTESH MAHESH	ANDUS	A KHANKOL	KUELIKE	Parite		
8 A2	B1511048	RANGATE YASH PANDURANG	ya da:	1100	May	Way!		-
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1 A3	B1511051	RAUT PRATIKSHA DINESH	P.D. Rout	22800	or land	15 Pout	7	-
2 A3	B1511052	ROKADE PRANALI RAJENDRA	17	1-010	1. 17 1007	17	1.	
3 A3	B1511053	SABLE TUSHAR DAYANAND	Mable	N. J. IO.	MILIT	Docinal Adda		-
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A3	B1511057	SHAH NIKUNJ CHANDRESH	Knay.		1400	71.00		-
A3	B1511058	SHAIKH AFAAN KHALID	W	Bran	V. VO.	shall		
A3	B1511059	SHAIKH MOHAMMED ZAIN ABDUL			<			
A3	B1511060	SHARMA PRERNA YOGESH	M-levin	M. Pais	M.ZaiL	M.zair		
A3	B1511061	SHEIKH LAYBA MAHIN KANIJA	-	Drivery.	Karos	Bensy,		
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		Present Students Count	43	44	21	9		
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- Branch and Alexander	The same of the sa	Sign		100	Sel	7210 A		

Class Teacher

Academic Coordinator

Head of Department





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.

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

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. Ingole

Head of Department

Head of Department

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





Record No.: ZCOER-ACAD/R/39

Revision: 00

Date:01/04/2021

Notice

Department: Robotics & Automation

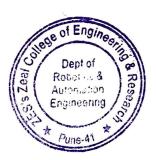
Sem: I

Academic Year: 2023-2024

Date: 17.08.2023

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 19th 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 Robitics & Automation Engg.
ZES's Zeal College of
Engineering & Research

Narhe, Pune-411041





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
	The Session was planned for SE, TE, BE students to have Expert Lecture	
	for Human Rights. Mr. Anil Kate shared valuable information about	PO5, PO7, PO8.
1	Realize the importance and different approaches to Human rights,	1 2 3 3 1 0 7 5 1 0 0 .
	Explain different mechanisms of United Nations to ensure and protect the	
	Human Rights.	

Thanking You,

Yours Sincerely, Prof. Bikesh Kumar





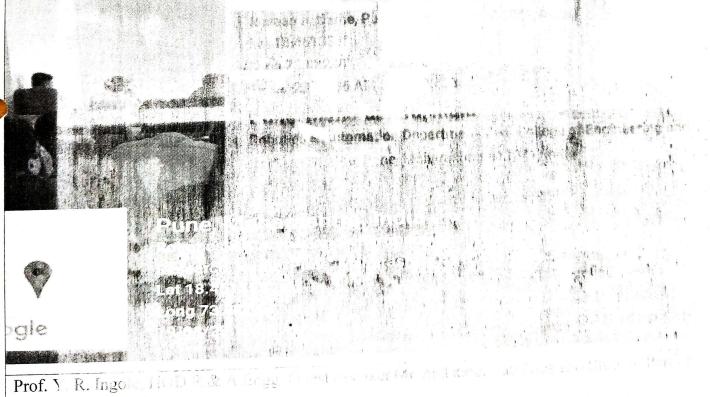
Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Photographs/Screen shots:







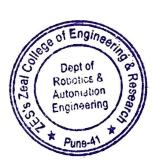


EXPERT LECTURE CONDUCTION CERTIFICATE

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 19th 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





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





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

	T		M	larks
No.	Attribute No. of responses		Obtained	%
1	How would you rate the content of the session?		140	93
2	How would you rate the knowledge of the guest for the		135	90
	session? How would you rate the content delivery method of the	30	130	87
	guest for the session? How would you rate the management of the session?		140	9 3
	Do you think the content of the session added to your		135	90
5	knowledge?			

Feedback Coordinator



H.O.D.





Record No.: ZCOER-ACAD/R/21

Revision: 00

Date:01/04/2021

Permission for Industry Expert Session

Department: Robotics & Automation

Semester: 1 Div: A Academic Year: 2023-2024

Date: 11/09/2023

To, **The Principal**ZCOER, Pune

Class: SE

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.

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

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

Remark by Principal:

Allowed Specoved approved Alake

Anto-vice of Eugineering & College of Eugineering

Prof. Y. R. Ingole Head of Department





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 12th, 13th,14th 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





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	Mr. Ajinkya Gaikwad has successfully conducted an Expert Lecture for the Second Year student on the topic "C-Programming Lab". Mr. Ajinkya Gaikwad shared valuable information about C-programming lab and demonstrated the same with many applications. 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.	PO1, PO4, PO7, PO8, PO9, PO10, PO12, PSO1, PSO4

Thanking You,

Yours Sincerely





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 12th, 13th, 14th September 2023 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe, Pune -41, India.



Prof. Y. R. Ingole Head of Department





Letter of Thanks

Date: 14/09/2023

To

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

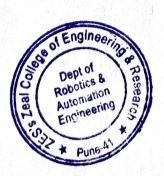
Subject: Letter of Thanks.

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.

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





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

we of Expert/ Guest: Mr. Ajinkya Gaikwad

Sr.	Attribute	No of regnenges	Mar	·ks
No.		No. of responses	Obtained	%
1	How would you rate the content of the session?		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?	30	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



Head of Department
Dept. of Robitics & Automation Eng
ZES's Zeai College of
Engineering & Research

Narhe, Pune-411041





Class: SE A

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

CDP Session Attendance

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024 Date: |2 |09 |2023

Course: < Topics Covered: IAntax

S.N.	Roll No.	Name of Students	Signature
)1 A1	S1511001	SHINDE SHUBHAM SHRIKANT	Luc
)2 A1	S1511002	KAPSE VIVEK BALU	Thier
)3 A 1	S1511003	MAHADIK SWAPNIL NARAYAN	500pn11.17
)4 A 1	S1511004	GHADGE SHIVAM SANJAY	GA
)5 A 1	S1511005	ALEKAR PRAJWAL DAYANAND	9
06 A 1	S1511006	KOLI SAYALI JAGDISH	(gayali-
)7 A 1	S1511007	MALWADE OM SACHIN	000
)8 A 1	S1511008	SHETE SANIKA MANOJ	Sales -
)9 A1	S1511009	NAGMODE DEVANSHU	Wi-
10 A1	S1511010	LOKHANDE ABHIJEET SANJAY	
1 A 1	S1511011	VIRKAR SURAJ NAVNATH	April Just
2 A 1	S1511012	NANDE BHAKTI RAJENDRA	Braktien
3 A 1	S1511013	THOPATE PURVA PANDURANG	Physale.
4 A 1	S1511014	NIKAM SAHIL PANKAJ	S. Phikam
15 A 1	S1511015	DHARAWANE PRACHI SANTOSH •	
6 A 1	S1511016	KHAPAKE KALYANI SANTOSH	- Kilo
7 A 1	S1511017	BHORKADE NIKHIL DATTU	
8 A 1	S1511018	DANDWATE PRIYANKA	Staymay
9 A 1	S1511019	TELI GIRIJA LAXMAN	Gerge
0 A1	S1511020	LATPATE DIPALI SAHEBRAO	
1 A1	S1511021	RATHOD VEDANT VINOD	
2 A 1	S1511022	GHADGE SAKSHI PRALHAD	
3 A2	S1511023	MANURE PARSHURAM	
4 A2	S1511024	MORE RIYA RAJENDRA	
5 A2	\$1511025	AVHAD GAURAV SHARAD	- Antono
6 A2	S1511026	PADMUKH KARAN RAMESH	Karan
	\$1511027	WAGHMARE PRASAD MOTIRAM	
7 A2 ₁ ,	S1511028	SINGH ADITYA	Adither
3 A2	S1511029	MARGALE SANTOSH KISAN	KANSOLOT
9 A2	S1511029	RATHOD MAYANK UMESH	Mathed
0 A2		BANTE CHAITANYA RAJESH	Chulya.
1 A2	S1511031		A.N.
2 A2	S1511032	GAWADE HARSH	Allann
3 A2	S1511033	MAHAKALKAR ATHARV	
1 A2	S1511034	PATHAN SHAHANOOR VAZIR	Aditu
5 A2	S1511035	HIWALE ADITYA ASHOK	A
6 A2	S1511036	SARDESAI VIDULA SUDHIR	A ONUS III
	S1511037	JAGTAP NEHA VIRSING	Nehr
7 A2	S1511038	KUDALE SEEYA MUKUND	Studell



Class: SE A

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

CDP Session Attendance

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024

Date: 12/09/2023

Course: C Programmy Lab

09:45 to 11:45

S.N.	Roll No.	Name of Students	Signature
39 A2	S1511039	GAWADE PRATIK EKNATH	Balk.G.
40 A2	S1511040	SHINDE SWEETY YOGESH	-
41 A2	S1511041	INGALE RAJ SANJAY	
42 A2	S1511042	CHAVAN PAYAL PANDU	The
43 A2	S1511043	KUMBHAR VEDANT PRAVIN	Jo.
44 A2	S1511044	NIMBALKAR PRAJWAL	Prairied of
45 A3	S1511045	YEVALE YASH DILIP	
46 A3	S1511046	HIWARDE VEDANT RAMDAS	COOM
47 A3	S1511047	NANAWARE ATHARVA SACHIN	Waraware
48 A3	\$1511048	BHUYAN PRASANTH	
49 A3	S1511049	GADHAVE PRATIKSHA	RANGE
50 A3	S1511050	CHOUDHARY NANDITA	Nandita
51 A3	S1511051	MORE SHRUTI SANJAY	009
52 A3	S1511052	KIRATKAR RAJBODHI SURESH	1
53 A3	S1511053	KULKARNI ADITYA AJIT	Kulkalehi
54 A3	S1511054	PATIL YASH SANJAY	
55 A3	S1511055	SAINDANE MANISH MANOJ	10000
56 A3	S1511056	PARKHI SARANG UDAY	Monte
57 A3	S1511057	MORKHADE PRATIK MOHAN	
58 A3	S1511058	SALUNKE JAYESH SACHIN	dull
59 A3	S1511059	POKALE HARSH PRAKASH	0000
	S1511060	PATIL TANMAY PRADEEP	KKAHIL
60 A3	S1511061	SHEJUL PRERANA VIJAY	
61 A3	S1511062	SHINDE OMKAR MARUTI	Swal
62 A3	S1511062 S1511063	GADEKAR RAJESH GORAKSH	Rekow
63 A3		TAPKIRE SMIT RAMESHRAO	MY
64 A3	S1511064	BIRADAR ASHWINI BHARAT	10
65 A3	S1511065	DHAWANE PRATIK NARAYAN	-
66 A3	S1511066	PAYGHAN VISHAL GAJANAN	Dlest?
67 A3	S1511067	Present Students Count	EI

Mahanot Shteya Sandip

Tunhanse



Head of Department

Head of Department

Den' of Deliver 2 Automation Engg.





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: < - Programmy
Topics Covered: Dota Types, spera

13 A1	S.N.	Roll No.	Name of Students	Signature
103 A1	01 A1	S1511001	SHINDE SHUBHAM SHRIKANT	fu
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 S1511011 LOKHANDE ABHUEET 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 19 A1 S1511010 LATPATE DIPALI SAHEBRAO 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 S1511030 RATHOD MAYANK UMESH 20 A2 S1511031 BANTE CHAITANYA RAJESH 21 A2 S1511031 BANTE CHAITANYA RAJESH 24 A2 S1511031 BANTE CHAITANYA RAJESH 25 A2 S1511032 GAWADE HARSH 26 A2 S1511033 MAHAKALKAR ATHARV 36 A2 S1511034 PATHAN SHAHANOOR VAZIR 40 S1511035 HIWALE ADITYA ASHOK 50 SARDESAL VIDULA SUDHIR	02 A1	S1511002		
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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 15 A1 S1511015 DHARA WANE 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 19 A1 S1511020 LATPATE DIPALI SAHEBRAO 20 A1 S1511021 RATHOD VEDANT VINOD 21 A1 S1511022 GHADGE SAKSHI PRALHAD 22 A1 S1511023 MANURE PARSHURAM 23 A2 S1511023 MANURE PARSHURAM 24 A2 S1511026 PADMUKH KARAN RAMESH 26 A2 S1511027 WAGHMARE PRASAD MOTIRAM 27 A2 S1511028 SINGH ADITYA 28 A2 S1511029 MARGALE SANTOSH KISAN 29 A2 S1511030 RATHOD MAYANK UMESH 30 A2 S1511031 BANTE CHAITANYA RAJESH 31 A2 S1511031 BANTE CHAITANYA RAJESH 31 A2 S1511034 PATHAN SHAHANOOR VAZIR 4 A2 S1511035 HIWALE ADITYA ASHOK 5 A2 S1511035 HIWALE ADITYA ASHOK	04 A I	S1511004		(8)
07 A1	05 A1	S1511005		
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10 A1	07 A1	S1511007		7
10 A1	08 A1	S1511008		1
11 A1	09 A1.	S1511009		The state of the s
12 A1	10 A1	S1511010		
13 A1	11 A1			
13 A1	12 A I	S1511012		Brown
15 A1	13 A1	S1511013		
15 AI	14 A 1	S1511014	NIKAM SAHIL PANKAJ	5.P. MIRON
16 A1		S1511015	DHARAWANE PRACHI SANTOSH	WW II
17 A1		S1511016		KILIT
18 A1		S1511017		N' 15
19 A1		S1511018		January 1
S1511020		S1511019	TELI GIRIJA LAXMAN	gorga
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 29 A2 S1511030 RATHOD MAYANK UMESH 10 A2 S1511031 BANTE CHAITANYA RAJESH 1 A2 S1511032 GAWADE HARSH 2 A2 S1511033 MAHAKALKAR ATHARV 3 A2 S1511034 PATHAN SHAHANOOR VAZIR 4 A2 S1511035 HIWALE ADITYA ASHOK 5 A2 S1511036 SARDESAL VIDULA SUDHIR			LATPATE DIPALI SAHEBRAO	
SISTIO22 GHADGE SAKSHI PRALHAD			RATHOD VEDANT VINOD	
23 A2		The second second second	GHADGE SAKSHI PRALHAD	
SISTIO24 MORE RIYA RAJENDRA			MANURE PARSHURAM	
SISTIO25 AVHAD GAURAV SHARAD SISTIO25 AVHAD GAURAV SHARAD SISTIO26 PADMUKH KARAN RAMESH SISTIO27 WAGHMARE PRASAD MOTIRAM SISTIO28 SINGH ADITYA SISTIO28 SINGH ADITYA SISTIO29 MARGALE SANTOSH KISAN SISTIO30 RATHOD MAYANK UMESH SISTIO31 BANTE CHAITANYA RAJESH SISTIO32 GAWADE HARSH SISTIO32 GAWADE HARSH SISTIO33 MAHAKALKAR ATHARV SISTIO34 PATHAN SHAHANOOR VAZIR SISTIO35 HIWALE ADITYA ASHOK SARDESAL VIDULA SUDHIR SARDESAL VIDULA SUDHIR			MORE RIYA RAJENDRA	
S1511026 PADMUKH KARAN RAMESH WAGHMARE PRASAD MOTIRAM S1511027 WAGHMARE PRASAD MOTIRAM S1511028 SINGH ADITYA MARGALE SANTOSH KISAN S1511030 RATHOD MAYANK UMESH S1511031 BANTE CHAITANYA RAJESH S1511032 GAWADE HARSH S2 A2 S1511033 MAHAKALKAR ATHARV S3 A2 S1511034 PATHAN SHAHANOOR VAZIR S4 A2 S1511035 HIWALE ADITYA ASHOK S5 A2 S1511036 SARDESAL VIDULA SUDHIR	24 A2		AVHAD GAURAV SHARAD	
27 A2 S1511027 WAGHMARE PRASAD MOTIRAM 27 A2 S1511028 SINGH ADITYA 28 A2 S1511029 MARGALE SANTOSH KISAN 29 A2 S1511030 RATHOD MAYANK UMESH 30 A2 S1511031 BANTE CHAITANYA RAJESH 31 A2 S1511032 GAWADE HARSH 32 A2 S1511032 GAWADE HARSH 33 A2 S1511033 MAHAKALKAR ATHARV 33 A2 S1511034 PATHAN SHAHANOOR VAZIR 44 A2 S1511035 HIWALE ADITYA ASHOK 5 A2 S1511036 SARDESAL VIDULA SUDHIR	25 A2		DA DMUKH KARAN RAMESH	Harun
SISTIO28 SINGH ADITYA RATHOD MAYANK UMESH SISTIO30 RATHOD MAYANK UMESH SIA2 SISTIO31 BANTE CHAITANYA RAJESH SIA2 SISTIO32 GAWADE HARSH SIA2 SISTIO33 MAHAKALKAR ATHARV SIA2 SISTIO34 PATHAN SHAHANOOR VAZIR SIA2 SISTIO34 PATHAN SHAHANOOR VAZIR SIA2 SISTIO35 HIWALE ADITYA ASHOK SIA3 SISTIO36 SARDESAL VIDULA SUDHIR	26 A2	7.1	PADMORIT RATE	
SISTIO28 SINGH ADITYA MARGALE SANTOSH KISAN MARGALE SANTOSH KISAN SISTIO30 RATHOD MAYANK UMESH SISTIO31 BANTE CHAITANYA RAJESH SISTIO32 GAWADE HARSH SA2 SISTIO33 MAHAKALKAR ATHARV MAHAKALKAR ATHARV SISTIO34 PATHAN SHAHANOOR VAZIR MAHAKALKAR ATHARV SISTIO35 HIWALE ADITYA ASHOK SARDESAL VIDULA SUDHIR	27 A2	S1511027		aliber
S1511029 MARGALE SANTOSITION RATHOD MAYANK UMESH S1511031 BANTE CHAITANYA RAJESH S1511032 GAWADE HARSH S1511033 MAHAKALKAR ATHARV S1511034 PATHAN SHAHANOOR VAZIR S1511035 HIWALE ADITYA ASHOK S1511036 SARDESAL VIDULA SUDHIR	'AR'	S1511028	SINGH ADITYA	Kangalot
S1511030 RATHOD MAYANK UMESH S160 A2 S1511031 BANTE CHAITANYA RAJESH S170 S1511032 GAWADE HARSH S170 S1511033 MAHAKALKAR ATHARV S170 S1511034 PATHAN SHAHANOOR VAZIR S170 S1511035 HIWALE ADITYA ASHOK S170 SARDESAL VIDULA SUDHIR		S1511029	MARGALE SANTOSH KISAN	MINO.
SI A2 SI511031 BANTE CHAITANYA RAJESH SI A2 SI511032 GAWADE HARSH SI A2 SI511033 MAHAKALKAR ATHARV SI A2 SI511034 PATHAN SHAHANOOR VAZIR SI A2 SI511034 PATHAN SHAHANOOR VAZIR SI A2 SI511035 HIWALE ADITYA ASHOK SI S			RATHOD MAYANK UMESH	A estar
SIAZ SI511032 GAWADE HARSH SI AZ SI511033 MAHAKALKAR ATHARV SI AZ SI511034 PATHAN SHAHANOOR VAZIR SI511035 HIWALE ADITYA ASHOK SI511036 SARDESAL VIDULA SUDHIR			BANTE CHAITANYA RAJESH	De al
33 A2 S1511033 MAHAKALKAR ATHARV 33 A2 S1511034 PATHAN SHAHANOOR VAZIR 34 A2 S1511035 HIWALE ADITYA ASHOK 35 A2 S1511036 SARDESAL VIDULA SUDHIR			GAWADE HARSH	Hora
SISTIO34 PATHAN SHAHANOOR VAZIR SISTIO35 HIWALE ADITYA ASHOK SISTIO36 SARDESAL VIDULA SUDHIR	32 A2		MAHAKALKAR ATHARV	Lar
5 A2 SI511035 HIWALE ADITYA ASHOK SARDESAL VIDULA SUDHIR	3 A2		RATHAN SHAHANOOR VAZIR	- dilnt
5 A2 S1511035 HIWALE ADTITUTE SAFET SAFE SARDESAL VIDULA SUDHIR Audiox	4 A2	The second secon	PATHAN SHATTA ASHOK	Auty
SARDESAL VIDULA SOUTH		S1511035	HIWALE ADIT TA ASTION	fordiació
		S1511036	SARDESAL VIDULA SUDHIK	Mila.
ONE OVELLOST LAGTAP NEHA VIRSING		The second secon	JAGTAP NEHA VIRSING	Tidale
7 A2 S1511037 JACON		The same of the sa	KUDALE SEEYA MUKUND	Status





Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

CDP Session Attendance

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024

Date: 12 09 2023

Class: SE A Course: C- Mojozan

Topics Covered:

S.N.	Roll No.	Name of Students	Signature
39 A2	S1511039	GAWADE PRATIK EKNATH	
40 A2	S1511040	SHINDE SWEETY YOGESH	To .
41 A2	S1511041	INGALE RAJ SANJAY	
42 A2	S1511042	CHAVAN PAYAL PANDU	11
43 A2	S1511043	KUMBHAR VEDANT PRAVIN	2
44 A2	S1511044	NIMBALKAR PRAJWAL	Arooi was I'M
45 A3	S1511045	YEVALE YASH DILIP	
46 A3	S1511046	HIWARDE VEDANT RAMDAS	Cont
47 A3	S1511047	NANAWARE ATHARVA SACHIN	Manaware
48 A3	S1511048	BHUYAN PRASANTH	B
49 A3	S1511049	GADHAVE PRATIKSHA	Romano
50 A3	S1511050	CHOUDHARY NANDITA	Nandita
51 A3	S1511051	MORE SHRUTI SANJAY	
52 A3	S1511052	KIRATKAR RAJBODHI SURESH	198
53 A3	S1511053	KULKARNI ADITYA AJIT	Akulkallnx
54 A3	S1511054	PATIL YASH SANJAY	The state of the s
55 A3	S1511055	SAINDANE MANISH MANOJ	
56 A3	S1511056	PARKHI SARANG UDAY	
57 A3	S1511057	MORKHADE PRATIK MOHAN	
58 A3	S1511058	SALUNKE JAYESH SACHIN	auth
59 A3	S1511059	POKALE HARSH PRAKASH	Hakde
60 A3	S1511060	PATIL TANMAY PRADEEP	Illatil
61 A3	S1511061	SHEJUL PRERANA VIJAY	Pro .
62 A3	S1511062	SHINDE OMKAR MARUTI	Shind
63 A3	S1511063	GADEKAR RAJESH GORAKSH	Pekaw
64 A3	S1511064	TAPKIRE SMIT RAMESHRAO	11
65 A3	S1511065	BIRADAR ASHWINI BHARAT	250
66/A3	S1511066	DHAWANE PRATIK NARAYAN	ADX.
57 A3		PAYGHAN VISHAL GAJANAN	Sarri3
) 1 /33		Present Students Count	49

Mahanot Shteya Sondeep





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





Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Expert Session Attendance

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024

Date: 13/09/2023.

Class: SE A Course: a frogramming
Course: a frogramming
Topics Covered: fromoffed & Un-formetted (2/0)

S.N.	Roll No.	Name of Students	Signature
and the second s	S1511001	SHINDE SHUBHAM SHRIKANT	far
1 A l	S1511002	KAPSE VIVEK BALU	ARRES
$\frac{2 \text{ Al}}{2 \text{ Al}}$	S1511003	MAHADIK SWAPNIL NARAYAN	Swepnil. M
3 A1	S1511004	GHADGE SHIVAM SANJAY	
4 A 1	S1511005	ALEKAR PRAJWAL DAYANAND	
)5 A 1	S1511006	KOLI SAYALI JAGDISH	(Sayali:
06 A 1	S1511007	MALWADE OM SACHIN	(it-
07 A1	S1511008	SHETE SANIKA MANOJ	A Services
08 A1	S1511009	NAGMODE DEVANSHU	The state of the s
09 A 1	S1511010	LOKHANDE ABHIJEET SANJAY	
10 A1	S1511011	VIRKAR SURAJ NAVNATH	The ALL
11 A1	S1511012	NANDE BHAKTI RAJENDRA	Brabley
12 A1	S1511012	THOPATE PURVA PANDURANG	Phypats
13 A1	S1511013	NIK AM SAHIL PANKAJ	S.P. Nikian
14 A1	S1511015	DHARAWANE PRACHI SANTOSH	
15 A l	S1511016	KHAPAKE KALYANI SANTOSH	(K. fet
16 A1	S1511017	BHORKADE NIKHIL DATTU	
17 A l	S1511017 S1511018	DANDWATE PRIYANKA	Karyanta
18 A 1	S1511019	TELLGIRIJA LAXMAN	eurga
19 A1	S1511020	LATPATE DIPALI SAHEBRAO	Sipali
20 A l	S1511020 S1511021	RATHOD VEDANT VINOD	
21 A1	of the second second second	GHADGE SAKSHI PRALHAD	201331
22 A I	S1511022	MANURE PARSHURAM	Que la company de la company d
23 A2	S1511023	MORE RIYA RAJENDRA	
24.A2	S1511024	AVHAD GAURAV SHARAD	Cons Alas
25 A2	S1511025	DADMUKH KARAN RAMESH	Kirak
26 A2	S1511026	WAGHMARE PRASAD MOTIRAM	
27 A2	S1511027	SINGH ADITYA	Alther
28 A2	S1511028	MARGALE SANTOSH KISAN	45WB012).
29 A2	S1511029	TO MANK LIMESH	excithed
30 A2	S1511030	BANTE CHAITANYA RAJESH	ange.
31 A2	S1511031	BANTE CHATTANTA	(Horse C
32 A2	S1511032	GAWADE HARSH	Down
33 A2	S1511033	MAHAKALKAR ATHARV MAHAKALKAR ATHARV	1
34 A2	S1511034	PATHAN SHAHANOOR VAZIR	Aduta
	S1511035	THUVALE ADITYA ASITOT	your
35 A2	S1511036	TEARDESAL VIDULA SUDITION	Neha
36 A2	S1511037		exidate
37 A2	S1511038	TE CEEVA MURUND	20





Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Expert Session Attendance

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024

Date: 13/09/2023

Class: SE A Course: C-Porgsamming

Topics Covered:

S.N.	Roll No.	Name of Students	Signature
39 A2	S1511039	GAWADE PRATIK EKNATH	Bullo. 4-
40 A2	S1511040	SHINDE SWEETY YOGESH	
41 A2	S1511041	INGALE RAJ SANJAY	and the state of t
42 A2	S1511042	CHAVAN PAYAL PANDU	1 Tour
43 A2	S1511043	KUMBHAR VEDANT PRAVIN	2=
44 A2	S1511044	NIMBALKAR PRAJWAL	Projectal SN
45 A3	S1511045	YEVALE YASH DILIP	AD
46 A3	S1511046	HIWARDE VEDANT RAMDAS	VOIA -
47 A3	S1511047	NANAWARE ATHARVA SACHIN	Donaware
48 A3	S1511048	BHUYAN PRASANTH	
49 A3	S1511049	GADHAVE PRATIKSHA	Rahages
50 A3	S1511050	CHOUDHARY NANDITA	Naraus
51 A3	S1511051	MORE SHRUTI SANJAY	eleun
52 A3	S1511052	KIRATKAR RAJBODHI SURESH	to
53 A3	S1511053	KULKARNI ADITYA AJIT	f Kulkallsii
54 A3	S1511054	PATIL YASH SANJAY	
55 A3	S1511055	SAINDANE MANISH MANOJ	Jue .
56 A3	S1511056	PARKHI SARANG UDAY	Super
57 A3	S1511057	MORKHADE PRATIK MOHAN	
58 A3	S1511058	SALUNKE JAYESH SACHIN	and a
59 A3	S1511059	POKALE HARSH PRAKASH	Heatel
60 A3	S1511060	PATIL TANMAY PRADEEP	Theat
61 A3	S1511061	SHEJUL PRERANA VIJAY	PAA
62 A3	S1511062	SHINDE OMKAR MARUTI	Shires -
63 A3	S1511063	GADEKAR RAJESH GORAKSH	Rok un
64 A3	S1511064	TAPKIRE SMIT RAMESHRAO	
65 A3	S1511065	BIRADAR ASHWINI BHARAT	084:
66 A3	S1511066	DHAWANE PRATIK NARAYAN	0
67 A3	S1511067	PAYGHAN VISHAL GAJANAN	
68 A3	S1511068	BHALERAO KUMAR GANESH	
69 A3		MAHANOR SHREYA SANDEEP	Parat .
70 A3	S1511070		Home
/U A 3 4	31311070	Present Students Count	57



Head of Department **Head of Department** Dept. of Robitics & Automation Engg.



Class: SE A

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

Date: 13/09/2023

12:30 pm to 03' 00 pm

Course: C-Programms
Topics Covered: 1-e/se, Lwitch, go-to

S.N.	Roll No.	Name of Students	Signature
	S1511001	SHINDE SHUBHAM SHRIKANT	Ju-
01 A1	S1511001 S1511002	KAPSE VIVEK BALU	V-opse
02 A 1	S1511002	MAHADIK SWAPNIL NARAYAN	Swapnility-
03 A1 04 A1	S1511003	GHADGE SHIVAM SANJAY	(A)
05 A1	S1511005	ALEKAR PRAJWAL DAYANAND	(A)
06 A1	S1511005	KOLI SAYALI JAGDISH	Bayali.
00 A1	\$1511007	MALWADE OM SACHIN	Com
07 A1	S1511008	SHETE SANIKA MANOJ	Janilla
08 A1	S1511009	NAGMODE DEVANSHU	Que -
	S1511010	LOKHANDE ABHIJEET SANJAY	
10 A1	S1511011	VIRKAR SURAJ NAVNATH	Burry
11 A1	S1511011	NANDE BHAKTI RAJENDRA	Blockiew
12 A1	S1511012	THOPATE PURVA PANDURANG	Physics
- 13 A1	S1511013	NIKAM SAHIL PANKAJ	S.P. Nikam
14 A l	S1511014 S1511015	DHARAWANE PRACHI SANTOSH	
15 A1	S1511015 S1511016	KHAPAKE KALYANI SANTOSH	(K.K)
16 A1	S1511010 S1511017	BHORKADE NIKHIL DATTU	
17 A1		DANDWATE PRIYANKA	Birnes
18 A1	S1511018	TELI GIRIJA LAXMAN	Phrya
19 A l	S1511019	LATPATE DIPALI SAHEBRAO	29.0
20 A l	S1511020	RATHOD VEDANT VINOD	
21 A1	S1511021	GHADGE SAKSHI PRALHAD	
22 A1	S1511022		Macus
23 A2	S1511023	MANURE PARSHURAM	2000
24 A2	S1511024	MORE RIYA RAJENDRA	C & Alburt
25 A2	S1511025	AVHAD GAURAV SHARAD	G. BADVO
26 A2	S1511026	PADMUKH KARAN RAMESH	Royco
27 A2	S1511027	WAGHMARE PRASAD MOTIRAM	1 State
	S1511028	SINGH ADITYA	Dans
28 A2	S1511029	MARGALE SANTOSH KISAN	AMBOILT.
29 A2	S1511030	RATHOD MAYANK UMESH	Marron
30 A2		BANTE CHAITANYA RAJESH	Spanie
31 A2	S1511031	GAWADE HARSH	Home
32 A2	S1511032	MAHAKALKAR ATHARV	Alven
33 A2	S1511033	PATHAN SHAHANOOR VAZIR	Δ
34 A2	S1511034	HIWALE ADITYA ASHOK	- party/
35 A2	S1511035	HIWALE ADIT TA ASTION	Hurdesai
36 A2	S1511036	SARDESAI VIDULA SUDHIR	Nohe
37 A2	S1511037	JAGTAP NEHA VIRSING	Kudale
38 A2	S1511038	KUDALE SEEYA MUKUND	Skuns





Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Expert Session Attendance

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024

Date: 13/09/2023 12:30 to 03:00 pm

Class: SE A Course: a Programmion

Topics Covered:

S.N.	Roll No.	Name of Students	Signature
	S1511039	GAWADE PRATIK EKNATH	fratik. 6
39 A2 40 A2	S1511040	SHINDE SWEETY YOGESH	- Color
40 A2 41 A2	S1511040	INGALE RAJ SANJAY	
41 A2 42 A2	S1511041	CHAVAN PAYAL PANDU	To the same of the
42 A2 43 A2	S1511042	KUMBHAR VEDANT PRAVIN	The same
43 A2	S1511044	NIMBALKAR PRAJWAL	Robinston
44 A2 45 A3	S1511045	YEVALE YASH DILIP	
46 A3	S1511046	HIWARDE VEDANT RAMDAS	1
47 A3	S1511047	NANAWARE ATHARVA SACHIN	Donaware
48 A3	S1511048	BHUYAN PRASANTH	
49 A3	S1511049	GADHAVE PRATIKSHA	Room
50 A3	S1511050	CHOUDHARY NANDITA	Nandita
51 A3	S1511051	MORE SHRUTI SANJAY	Bookly &
52 A3	S1511052	KIRATKAR RAJBODHI SURESH	- N. W. W.
3 A3	S1511053	KULKARNI ADITYA AJIT	Akulkalin
4 A3	S1511054	PATIL YASH SANJAY	
5 A3	S1511055	SAINDANE MANISH MANOJ	
6 A3	S1511056	PARKHI SARANG UDAY	
7 A3	S1511057	MORKHADE PRATIK MOHAN	dayA = 2
8 A3	S1511058	SALUNKE JAYESH SACHIN	10 m
9 A3	S1511059	POKALE HARSH PRAKASH	-100.10
0 A3	S1511060	PATIL TANMAY PRADEEP	THAT
1 A3	S1511061	SHEJUL PRERANA VIJAY	
2 A3	S1511062	SHINDE OMKAR MARUTI	Shing
	S1511063	GADEKAR RAJESH GORAKSH	Rekalew
3 A3	S1511064	TAPKIRE SMIT RAMESHRAO	Hu.
1 A3	S1511065	BIRÁDAR ASHWINI BHARAT	A CO
5 A 3	01511066	DHAWANE PRATIK NARAYAN	<u></u>
A3	01511067	PAYGHAN VISHAL GAJANAN	
A3	01511068	BHALERAO KUMAR GANESH	
A3	S1511068 S1511069	MAHANOR SHREYA SANDEEP	probane
A3	5.5		
A3	S1511070	Present Students Count	53







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: 14 09 2023

Course: C- Programming Working & Functi

Time: 9.45 - 11.45 av

S.N.	Roll No.	Name of Students	Signature
01 A1	S1511001	SHINDE SHUBHAM SHRIKANT	21,-
02 A1	S1511002	KAPSE VIVEK BALU	Timbe.
03 A1	S1511003	MAHADIK SWAPNIL NARAYAN	Swamil. M
04 A1	\$1511004	GHADGE SHIVAM SANJAY	(P)
05 A1	S1511005	ALEKAR PRAJWAL DAYANAND	Q.
06 A1	S1511006	KOLI SAYALI JAGDISH	(Royali-
07 A 1	S1511007	MALWADE OM SACHIN	A-
08 A 1	S1511008	SHETE SANIKA MANOJ	Jani ru
09 A1	S1511009	NAGMODE DEVANSHU	Our-
10 A1	S1511010	LOKHANDE ABHIJEET SANJAY	
11 A1	S1511011	VIRKAR SURAJ NAVNATH	Suraj -
12 A I	S1511012	NANDE BHAKTI RAJENDRA	Blattier
13 A1	S1511013	THOPATE PURVA PANDURANG	Phopas,
14 A1	S1511014	NIKAM SAHIL PANKAJ	S.P. Nilean
15 A1	S1511015	DHARAWANE PRACHI SANTOSH	Leadi
16 A I	S1511016	KHAPAKE KALYANI SANTOSH	(KID
17 A I	S1511017	BHORKADE NIKHIL DATTU	
18 A I	S1511018	DANDWATE PRIYANKA	Rayaki
19 A1	S1511019	TELI GIRIJA LAXMAN	Guer.
20 A 1	S1511020	LATPATE DIPALI SAHEBRAO	3
21 A1	S1511021	RATHOD VEDANT VINOD	A-
22 A I	S1511022	GHADGE SAKSHI PRALHAD	
23 A2	S1511023	MANURE PARSHURAM	D8M
24 A2	S1511024	MORE RIYA RAJENDRA	
25 A2	S1511025	AVHAD GAURAV SHARAD	G.S. Arhad
26 A2 1	S1511026	PADMUKH KARAN RAMESH	Koean
27 A2	S1511027	WAGHMARE PRASAD MOTIRAM	
28 A2	S1511028	SINGH ADITYA	Aditat
29 A2	S1511029	MARGALE SANTOSH KISAN	AMBORO!
30 A2	S1511030	RATHOD MAYANK UMESH	Kerthod
31 A2	S1511031	BANTE CHAITANYA RAJESH	drathrye
32 A2	S1511032	GAWADE HARSH	(Horsz
33 A2	S1511033	MAHAKALKAR ATHARV	Thomas
34 A2	S1511034	PATHAN SHAHANOOR VAZIR	
35 A2	S1511035	HIWALE ADITYA ASHOK	Maity
36 A2	S1511036	SARDESAI VIDULA SUDHIR	Hodrson
37 A2	S1511037	JAGTAP NEHA VIRSING	Heng
38 A2	S1511038	KUDALE SEEYA MUKUND	Syndale





Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Expert Session Attendance

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024

Dat

Date: 14/09/2023

Time:

Course: Topics Covered:

Class: SE A

S.N.	Roll No.	Name of Students	Signature
39 A2	S1511039	GAWADE PRATIK EKNATH	Butik. G
40 A2	S1511040	SHINDE SWEETY YOGESH	- ·
41 A2	S1511041	INGALE RAJ SANJAY	
42 A2	S1511042	CHAVAN PAYAL PANDU	THE STATE OF THE S
43 A2	S1511043	KUMBHAR VEDANT PRAVIN	2
44 A2	S1511044	NIMBALKAR PRAJWAL	Priajway
45 A3	S1511045	YEVALE YASH DILIP	SHOV
46 A3	S1511046	HIWARDE VEDANT RAMDAS	and
47 A3	S1511047	NANAWARE ATHARVA SACHIN	(Wanawas E
48 A3	S1511048	BHUYAN PRASANTH	
49 A3	S1511049	GADHAVE PRATIKSHA	(Rehease
50 A3	S1511050	CHOUDHARY NANDITA	
51 A3	S1511051	MORE SHRUTI SANJAY	
52 A3	S1511052	KIRATKAR RAJBODHI SURESH	
53 A3	S1511053	KULKARNI ADITYA AJIT	Kylkalin
54 A3	S1511054	PATIL YASH SANJAY	1000
55 A3	S1511055	SAINDANE MANISH MANOJ	· Joseph .
56 A3	S1511056	PARKHI SARANG UDAY	fugaliz
57 A3	S1511057	MORKHADE PRATIK MOHAN	
58 Å3	S1511058	SALUNKE JAYESH SACHIN	Sayees
59 A3	S1511059	POKALE HARSH PRAKASH	(Ha)
60 A3	S1511060	PATIL TANMAY PRADEEP	Thealin
	S1511061	SHEJUL PRERANA VIJAY	
61 A3	S1511062	SHINDE OMKAR MARUTI	man !
62 A3	S1511063	GADEKAR RAJESH GORAKSH	Dajest.
63 A3	S1511064	TAPKIRE SMIT RAMESHRAO	1
64 A3	7. 10	BIRADAR ASHWINI BHARAT	:
5 A3	S1511065	DHAWANE PRATIK NARAYAN	CO .
66 A3	S1511066	PAYGHAN VISHAL GAJANAN	45113.
7 A3	S1511067	Present Students Count	65

Mahanot Shteya Sandeep





Head of Department

Head of Department

Dept. of Robitics & Automation Engg.

ZES's Zeai College of

Engineering & Research





Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

Expert Session Attendance

Department: Robotics & Automation Engineering Class: SE A

SEM: I

Academic Year: 2023 -2024

Date: 14/09/2023

Course: C-Programming
Topics Covered: Stoucture, File hardling,,

12:30 pm to 3 pm

S.N.	Roll No.	Name of Students	Signature
01 A1	S1511001	SHINDE SHUBHAM SHRIKANT	Div
02 A1	S1511002	KAPSE VIVEK BALU	Ykakse
03 A1	S1511003	MAHADIK SWAPNIL NARAYAN	Swapnil-M
04 A 1	S1511004	GHADGE SHIVAM SANJAY	
05 A1	S1511005	ALEKAR PRAJWAL DAYANAND	Preduciakk
06 A1	S1511006	KOLI SAYALI JAGDISH	Sallati
07 A1	S1511007	MALWADE OM SACHIN	(B) -
08 A1	S1511008	SHETE SANIKA MANOJ	James
09 A 1	S1511009	NAGMODE DEVANSHU	
10 A1	S1511010	LOKHANDE ABHIJEET SANJAY	
11 A1	S1511011	VIRKAR SURAJ NAVNATH	Surgar
12 A1	S1511012	NANDE BHAKTI RAJENDRA	Ambdilli
13 A1	S1511013	THOPATE PURVA PANDURANG	Chapak
14 A1	S1511014	NIKAM SAHIL PANKAJ	S.P.Nilson Prachi P
15 A1	S1511015	DHARAWANE PRACHI SANTOSH	(K.K)
16 A1	S1511016	KHAPAKE KALYANI SANTOSH	BUTS
17 A1	\$1511017	BHORKADE NIKHIL DATTU	Biyarka
18 A1	S1511018	DANDWATE PRIYANKA	anico
19 A1	S1511019	TELI GIRIJA LAXMAN	Trail.
20 A1	S1511020	LATPATE DIPALI SAHEBRAO	W.
20 A1	S1511021	RATHOD VEDANT VINOD	AS
22 A1	S1511022	GHADGE SAKSHI PRALHAD	
22 A1	S1511023	MANURE PARSHURAM	Rivamand
24 A2	S1511024	MORE RIYA RAJENDRA	G.S. Avhad
25 A2	S1511025	AVHAD GAURAV SHARAD	K DOS
26 A2	S1511026	PADMUKH KARAN RAMESH	motivo
27 A2	S1511027	WAGHMARE PRASAD MOTIRAM	Letitel
28 A2	S1511028	SINGH ADITYA	Major.
29 A2	21511020	MARGALE SANTOSH KISAN	4 DOST
30 A2	S1511030	RATHOD MAYANK UMESH	Chowthey -
31 A2	\$1511031	BANTE CHAITANYA RAJESH	Aush
31 A2 32 A2	01511022	GAWADE HARSH	AHOTY .
	11000	MAHAKALKAR ATHARV	712
33 A2 34 A2	01511024	PATHAN SHAHANOOR VAZIR	Adity A
	-11025	HIWALE ADITYA ASHOK	
35 A2	01511026	SARDESAL VIDULA SUDHIR	NEHAG
36 A2	01511027	JAGTAP NEHA VIRSING	Exertale
37 A2 38 A2	S1511038	KUDALE SEEYA MUKUND	STUD



Course:

Topics Covered:

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 Class: SE A

SEM: I

Academic Year: 2023-2024

Date: 14/09/2023

12:30 pm to 3:00 pm

S.N.	Roll No.	Name of Students	
39 A2	S1511039	GAWADE PRATIK EKNATH	Signature
40 A2	S1511040	SHINDE SWEETY YOGESH	
41 A2	S1511041	INGALE RAJ SANJAY	Shindsweets
42 A2	S1511042	CHAVAN PAYAL PANDU	0-
43 A2	S1511043	KUMBHAR VEDANT PRAVIN	T. PE
44 A2	S1511044	NIMBALKAR PRAJWAL	Con
45 A3	S1511045	YEVALE YASH DILIP	Leginor .
46 A3	S1511046	HIWARDE VEDANT RAMDAS	w rde
47 A3	S1511047	NANAWARE ATHARVA SACHIN	Ald mova N
48 A3	S1511048	BHUYAN PRASANTH	Africa
49 A3	S1511049	GADHAVE PRATIKSHA	(Darmon o
.50 A3	S1511050	CHOUDHARY NANDITA	Character 1
51 A3	S1511051	MORE SHRUTI SANJAY	
52 A3	S1511052	KIRATKAR RAJBODHI SURESH	1000
53 A3	S1511053	KULKARNI ADITYA AJIT	Akulkalini
54 A3	S1511054	PATIL YASH SANJAY	Vind
55 A3	S1511055	SAINDANE MANISH MANOJ	Mars
56 A3	S1511056	PARKHI SARANG UDAY	
57 A3	S1511057	MORKHADE PRATIK MOHAN	1
58 A3	S1511058	SALUNKE JAYESH SACHIN	Fayel
59 A3	S1511059	POKALE HARSH PRAKASH	PokaleHorsh
60 A3	S1511060	PATIL TANMAY PRADEEP	TREALE
61 A3	S1511061	SHEJUL PRERANA VIJAY	C. S.
62 A3	S1511062	SHINDE OMKAR MARUTI	Omkon
63 A3	S1511063	GADEKAR RAJESH GORAKSH	Pokaul
64 A3	S1511064	TAPKIRE SMIT RAMESHRAO	
65 A3	S1511065	BIRADAR ASHWINI BHARAT	Spel
66 A3	S1511066	DHAWANE PRATIK NARAYAN	D
67 A3	.S1511067	PAYGHAN VISHAL GAJANAN	Death
68 A3	S1511068	BHALERAO KUMAR GANESH	
69 A3	S1511069	MAHANOR SHREYA SANDEEP	Laboret
70 A3	S1511070	PITTIO	-
10 A3	51511070	Present Students Count	×/1







Record No.: ZCOER-ACAD/R/21

Revision: 00

Date:01/04/2021

Permission for Industry Expert Session

Department: Robotics & Automation Engineering Semester: I

Div: A

Academic Year: 2023-2024

Date: 08/09/2023

To.

The Principal

Class: SE

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:	
	09/09/2023
	10: 00 am to 11:30 am

Remuneration Details:

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

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

the remuneration of Rs. -Nil-

Frof. Y. R. Ingole Course Faculty

Remark by Principal:

Allowed

Prof. Y. R. Ingole Head of Department





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.

Dept of Robring Research Engineering Presearch Pune-41 * Pune-41

Prof. Yogesh R. Ingole
Head of the Department
Head of Department





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 9th 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,

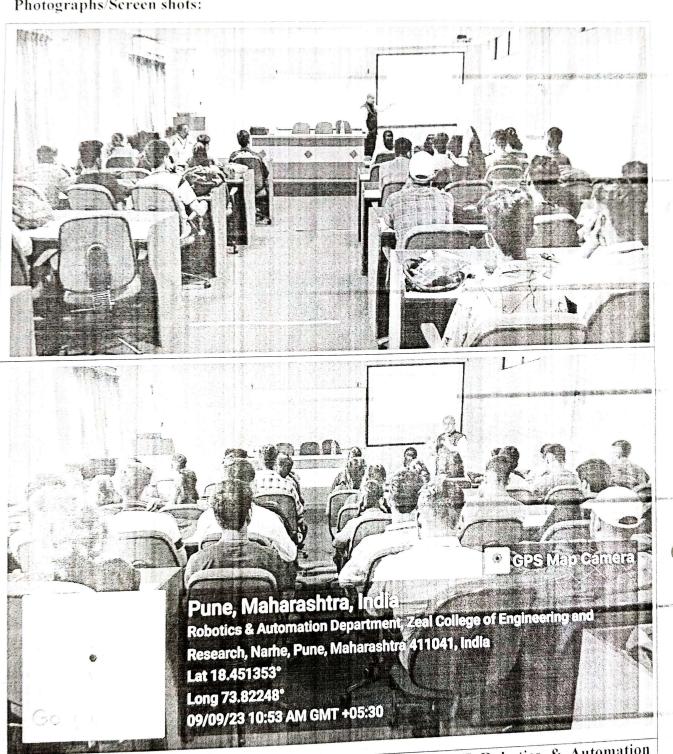
Thanking You,

Prof. P.P. Chakraborty





Photographs/Screen shots:



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





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 9th September 2023 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe, Pune -41, India.

Dept of Rotate & Rose & Automotion Engineering Co.

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





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.

Dept of Robous & Automation Engineering

Prof. Y. R. Ingole

Head of Department Head of Department

Dept. of Robitics & Automation Engg. ZES's Zeal College of Engineering & Research

Narhe, Pune-411041





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	N	Marks	
	Autibute	No. of responses	Obtained	%
1	How would you rate the content of the session?		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?	20	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?	생기가 되는 이렇게 그렇게 있었다면서 이 적인을 보고 맛이 되었다. 왕들이라고 모든 이를 존속하는 것 집안에게 그렇게 살아왔다면 이렇게 하는 것은 이 없는데 가지 그렇게 그렇게 되었다.		98

dback Coordinator



H.O.D.

Head of Department

Dept. of Robitics & Automation En ZES's Zeai College of Engineering & Research Narhe, Pune-411041





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

Expert Session Attendance

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024

Date: 09/09/2003

Class: SE A Course: Story th of Material-Proetical Topics Covered:

S.N.	Roll No.	Name of Students	Signature
)1 A1	S1511001	SHINDE SHUBHAM SHRIKANT	Shirles
02 A 1	S1511002	KAPSE VIVEK BALU	
03 A1	S1511003	MAHADIK SWAPNIL NARAYAN	
04 A I	S1511004	GHADGE SHIVAM SANJAY	
05 A1	S1511005	ALEKAR PRAJWAL DAYANAND	Orc
06 A 1	S1511006	KOLI SAYALI JAGDISH	
07 A1	S1511007	MALWADE OM SACHIN	1 100
08 A1	S1511008	SHETE SANIKA MANOJ	OWN
09 A1	S1511009	NAGMODE DEVANSHU	
10 A1	S1511010	LOKHANDE ABHIJEET SANJAY	
11 A1	S1511011	VIRKAR SURAJ NAVNATH	The second secon
12 A1	S1511012	NANDE BHAKTI RAJENDRA	
13 A1	S1511013	THOPATE PURVA PANDURANG	- 1111
14 A1	S1511014	NIKAM SAHIL PANKAJ	& P. Nikam
15 A1	S1511015	DHARAWANE PRACHI SANTOSH	
16 A1	S1511016	KHAPAKE KALYANI SANTOSH	C.B.
17 A1	S1511017	BHORKADE NIKHIL DATTU	
18 A I	S1511018	DANDWATE PRIYANKA	2 110
19 A I	S1511019	TELI GIRIJA LAXMAN	guaja
20 A1	S1511020	LATPATE DIPALI SAHEBRAO	guya X
21 A1	S1511021	RATHOD VEDANT VINOD	A
22 A1	S1511022	GHADGE SAKSHI PRALHAD	
23 A2	S1511023	MANURE PARSHURAM	1.05
24 A2	S1511024	MORE RIYA RAJENDRA	
25 A2	S1511025	AVHAD GAURAV SHARAD	1
26 A2	S1511026	PADMUKH KARAN RAMESH	Kous
27 A2	S1511027	WAGHMARE PRASAD MOTIRAM	
28 A2	S1511028	SINGH ADITYA	19.46.371
29 A2	S1511029	MARGALE SANTOSH KISAN	
30 A2	S1511030	RATHOD MAYANK UMESH	
	S1511031	BANTE CHAITANYA RAJESH	0
31 A2	S1511032	GAWADE HARSH	Bush
32 A2	S1511033	MAHAKALKAR ATHARV	
33 A2	S1511034	PATHAN SHAHANOOR VAZIR	
34 A2	S1511035	HIWALE ADITYA ASHOK	1. 23
35 A2	S1511036	SARDESAI VIDULA SUDHIR	A.C.
36 A2	S1511030 S1511037	JAGTAP NEHA VIRSING	7.0
37 A2	S1511037 S1511038	KUDĄLE SEEYA MUKUND	
38 A2	51311038		





Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Expert Session Attendance

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024 Date: 09 | 09 | 2023

Class: SE A

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	Para
43 A2	S1511043	KUMBHAR VEDANT PRAVIN	of the same
44 A2	S1511044	NIMBALKAR PRAJWAL	throng coods w
45 A3	S1511045	YEVALE YASH DILIP	
46 A3	S1511046	HIWARDE VEDANT RAMDAS	Lord
47 A3	S1511047	NANAWARE ATHARVA SACHIN	
48 A3	S1511048	BHUYAN PRASANTH	/\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
49 A3	S1511049	GADHAVE PRATIKSHA	in se stop
50 A3	S1511050	CHOUDHARY NANDITA	
51 A3	S1511051	MORE SHRUTI SANJAY	Mout
52 A3	S1511052	KIRATKAR RAJBODHI SURESH	11 10 1
53 A3	S1511053	KULKARNI ADITYA AJIT	Akulkallki
54 A3	S1511054	PATIL YASH SANJAY	
55 A3	S1511055	SAINDANE MANISH MANOJ	
56 A3	S1511056	PARKHI SARANG UDAY	
57 A3	S1511057	MORKHADE PRATIK MOHAN	14
58 A3	S1511058	SALUNKE JAYESH SACHIN	attack
59 A3	S1511059	POKALE HARSH PRAKASH	HOW
60 A3	S1511060	PATIL TANMAY PRADEEP	
61 A3	S1511061	SHEJUL PRERANA VIJAY	0000
62 A3	S1511062	SHINDE OMKAR MARUTI	Shirles
63 A3	S1511063	GADEKAR RAJESH GORAKSH	
64 A3	S1511064	TAPKIRE SMIT RAMESHRAO	
	S1511065	BIRADAR ASHWINI BHARAT	ASIA
65 A3	S1511066	DHAWANE PRATIK NARAYAN	A STATE OF THE STA
66 A3	S1511067	PAYGHAN VISHAL GAJANAN	/
67 A3	31311007	Present Students Count	25

Head of Department





Record No.: ZCOER-ACAD/R/21

Revision: 00

Date: 01/04/2021

Permission for Visiting Faculty

Department: Robotics & Automation

Semester: I

Academic Year: 2023-2024

Class: SE

Div: A

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.

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

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)

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Conducted).

Course Faculty

Remark by Principal:

Allowed & appeared

Allowed & appeared

Allowed & appeared

31108/2023

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

C-Programming Lab 211507

Teaching SchemePractical: 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

E-mail: Jagrutivaidya2007@gmail.com

Mobile No: 9209494414

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: 28th March 1965.

Nationality: Indian

(1

Thanks and Regards, Jagruti Vaidya 9209494414





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 31st Augest, 2023 from 8:00 am to 10:00am.

Attendance is compulsory to all.



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





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 31st Augest 2023 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe, Pune -41, India.



Prof. Y. R. Ingole Head of Department



()

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 31st Augest 2023 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe, Pune -41, India.



Prof. Y. R. Ingole Head of Department





Letter of Thanks

Date: 31/08/2023

To,

Mrs. Jagruti Vaidya Corporate Trainer,

Pune.

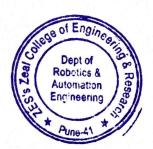
Subject: Letter of Thanks.

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





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

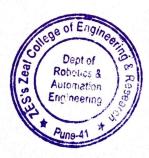
Date: 31.08.2023

Semester: I

Name of Expert/ Guest: Mrs. Jagruti Vaidya

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

edback Coordinator



Head of Department
Dept. of Robitics & Automation Engg.
ZES's Zeal College of

Engineering & Research Narhe, Pune-411041





Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Expert Session Attendance

Department: Robotics & Automation Engineering Class: SE A

SEM: I

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

Course: (- Programing Topics Covered:

Time: 08:00 to 10:00 am

S.N.	Roll No.	Name of Students	Signature
01 A1	S1511001	SHINDE SHUBHAM SHRIKANT	five
02 A 1	S1511002	KAPSE VIVEK BALU	
03 A1	S1511003	MAHADIK SWAPNIL NARAYAN	Si opnition
04 A1	S1511004	GHADGE SHIVAM SANJAY	and the constant of the consta
05 A1	S1511005	ALEKAR PRAJWAL DAYANAND	
06 A1	S1511006	KOLI SAYALI JAGDISH	(Sauchi
07 A1	S1511007	MALWADE OM SACHIN	
08 A1	S1511008	SHETE SANIKA MANOJ	
09 A 1	S1511009	NAGMODE DEVANSHU	<u> </u>
10 A 1	S1511010	LOKHANDE ABHIJEET SANJAY	Calle
11 A1	S1511011	VIRKAR SURAJ NAVNATH	
12 A1	S1511012	NANDE BHAKTI RAJENDRA	
13 A1	S1511013	THOPATE PURVA PANDURANG	/ '
14 A1	S1511014	NIKAM SAHIL PANKAJ	2. Nikowa
15 A1	S1511015	DHARAWANE PRACHI SANTOSH	Deathi
16 A I	S1511016	KHAPAKE KALYANI SANTOSH	
17 A1	S1511017	BHORKADE NIKHIL DATTU	105.
18 A1	S1511018	DANDWATE PRIYANKA ~	
19 A I	S1511019	TELI GIRIJA LAXMAN	.gvaja
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	E. Stylod
26 A2	S1511026	PADMUKH KARAN RAMESH	Karna
27 A2	S1511027	WAGHMARE PRASAD MOTIRAM	
28 A2	S1511028	SINGH ADITYA	<i>f</i> .
	S1511029	MARGALE SANTOSH KISAN	85000101 =
29 A2	S1511029	RATHOD MAYANK UMESH	Marthae
30 A2		BANTE CHAITANYA RAJESH	Checky
31 A2	S1511031	GAWADE HARSH	Duch
32 A2	S1511032		n low'
33 A2	S1511033	MAHAKALKAR ATHARV	
34 A2	S1511034	PATHAN SHAHANOOR VAZIR	MILUA
35 A2	S1511035	HIWALE ADITYA ASHOK	
36 A2	S1511036	SARDESAI VIDULA SUDHIR	* coolescus
37 A2	S1511037	JAGTAP NEHA VIRSING	
38 A2	S1511038	KUDALE SEEYA MUKUND	Studente





Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

Expert Session Attendance

Department: Robotics & Automation Engineering

SEM: I

Class: SE A

Academic Year: 2023 -2024

Date: 3 1 / 58 / 2023

Course:

Time: 08:00 to 10: w an

S.N.		Name of Students	Signature
39 A2	S1511039	Bicharin	Brotik. 6
40 A2	S1511040	THE SHEET I TOOLSII	
41 A2	S1511041	INGALE RAJ SANJAY	
42 A2	S1511042	CHAVAN PAYAL PANDU	+
43 A2	S1511043	KUMBHAR VEDANT PRAVIN	V
44 A2	S1511044	NIMBALKAR PRAJWAL	Pogavor
45 A3	S1511045	YEVALE YASH DILIP	
46 A3	S1511046	HIWARDE VEDANT RAMDAS	Vest-
47 A3	S1511047	NANAWARE ATHARVA SACHIN	Parawase
48 A3	S1511048	BHUYAN PRASANTH	
49 A3	S1511049	GADHAVE PRATIKSHA	Phones
50 A3	S1511050	CHOUDHARY NANDITA	
51 A3	S1511051	MORE SHRUTI SANJAY	Skeish
52 A3	S1511052	KIRATKAR RAJBODHI SURESH	
53 A3	S1511053	KULKARNI ADITYA AJIT	-Kulkalini
54 A3	S1511054	PATIL YASH SANJAY	1
55 A3	S1511055	SAINDANE MANISH MANOJ	217.1 S
56 A3	S1511056	PARKHI SARANG UDAY	
57 A3	S1511057	MORKHADE PRATIK MOHAN	May 1
58 A3	S1511058	SALUNKE JAYESH SACHIN	
59 A3	S1511059	POKALE HARSH PRAKASH	
60 A3	S1511060	PATIL TANMAY PRADEEP	
61 A3	S1511061	SHEJUL PRERANA VIJAY	Dey
62 A3	S1511062	SHINDE OMKAR MARUTI	
63 A3	S1511063	GADEKAR RAJESH GORAKSH	
64 A3	S15,11064	TAPKIRE SMIT RAMESHRAO	Most
65 A3	S1511065	BIRADAR ASHWINI BHARAT	100
66 A3	S1511066	DHAWANE PRATIK NARAYAN	9
67 A3	S1511067	PAYGHAN VISHAL GAJANAN	
		Present Students Count	37

Head of Department





Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Expert Session Attendance

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024

Date: 01/09/2023

Class: SE A Course: C - Programming

Topics Covered:

S.N.	Roll No.	Name of Students	Signature
)1 A1	S1511001	SHINDE SHUBHAM SHRIKANT	
)2 A1		KAPSE VIVEK BALU	
03 A1	S1511003	MAHADIK SWAPNIL NARAYAN	
04 A1	S1511004	GHADGE SHIVAM SANJAY	
05 A1	S1511005	ALEKAR PRAJWAL DAYANAND	the street was at the state of
06 A1	S1511006	KOLI SAYALI JAGDISH	
07 A1	\$1511007	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	
	S1511017	BHORKADE NIKHIL DATTU	
17 A1	S1511018	DANDWATE PRIYANKA	
18 A 1	S1511019	TELI GIRIJA LAXMAN	
19 A1	S1511020	LATPATE DIPALI SAHEBRAO	
20 A1	S1511021	RATHOD VEDANT VINOD	
21 A1	S1511021 S1511022	GHADGE SAKSHI PRALHAD	
22 A1	S1511022 S1511023	MANURE PARSHURAM	
23 A2		MORE RIYA RAJENDRA	Rivere
24 A2	S1511024	AVHAD GAURAV SHARAD	G.S. Arland
25 A2	S1511025	PADMUKH KARAN RAMESH	K. Rad miles
26 A2	S1511026	WAGHMARE PRASAD MOTIRAM	A CONTRACTOR OF THE PARTY OF TH
27 A2	S1511027		
28 A2	S1511028	SINGH ADITYA	Smole .
29 A2	S1511029	MARGALE SANTOSH KISAN	Datasi
30 A2	S1511030	RATHOD MAYANK UMESH	Madden
31 A2	S1511031	BANTE CHAITANYA RAJESH	11.4
	S1511032	GAWADE HARSH	All and
32 A2	S1511033	MAHAKALKAR ATHARV	THE
33 A2		WYYAYIANIOOD VAZIR	118
34 A2	S1511034	TOWA A CHOK	Aditiyo
35 A2	S1511035		Sond esai
36 A2	S1511030	- NIDITA VIDEING	
37 A2	S151103	- SERVA MUVUND	skudalt
38 A2	S151103	8 KUDALE SEEYA MUKUND	-





Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021

Expert Session Attendance

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024

Date: 01/09/2023

Class: SE A Course:

Topics Covered:

S.N.	Roll No.	Name of Students	Signature
9 A2	\$1511039	GAWADE PRATIK EKNATH	Prafit. or
0 A2	S1511040	SHINDE SWEETY YOGESH	
1 A2	S1511041	INGALE RAJ SANJAY	
2 A2	S1511042	CHAVAN PAYAL PANDU	
3 A2	S1511043	KUMBHAR VEDANT PRAVIN	Y
4 A2	S1511044	NIMBALKAR PRAJWAL	Prajeras
5 A3	S1511045	YEVALE YASH DILIP	45
6 A3	S1511046	HIWARDE VEDANT RAMDAS	Van de la constant de
7 A3	S1511047	NANAWARE ATHARVA SACHIN	Donaware
8 A3	S1511048	BHUYAN PRASANTH	
9 A3	S1511049	GADHAVE PRATIKSHA	Estavas
50 A3	S1511050	CHOUDHARY NANDITA	
51 A3	S1511051	MORE SHRUTI SANJAY	
52 A3	S1511052	KIRATKAR RAJBODHI SURESH	1
53 A3	S1511053	KULKARNI ADITYA AJIT	100
54 A3	S1511054	PATIL YASH SANJAY	- 1000
	S1511055	SAINDANE MANISH MANOJ	
55 A3	S1511056	PARKHI SARANG UDAY	Syports
56 A3	S1511057	MORKHADE PRATIK MOHAN	
57 A3	S1511057 S1511058	SALUNKE JAYESH SACHIN	
58 A3		POKALE HARSH PRAKASH	
59 A3	S1511059	THE PROPERTY OF A DEED	
60 A3	S1511060	SHEJUL PRERANA VIJAY	Pla
51 A3	S1511061	THE WILD MADLITI	anker
62 A3	S1511062	SHINDE OMKAR MARUTI	GIV.
63 A3	S1511063	GADEKAR RAJESH GORAKSH	
64 A3	S1511064	TAPKIRE SMIT RAMESHRAO	Ach.
	S1511065	BIRADAR ASHWINI BHARAT	13
65 A3	S1511066	DHAWANE PRATIK NARAYAN	4
66 A3		TAMOUAL GALANAN	00
67 A3	S1511067	Present Students Co	unt 2+

Head of Department





Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Expert Session Attendance

Department: Robotics & Automation Engineering

SEM: I

Academic Year: 2023 -2024 Date: 7 9 2023

Class: SE A Course: R&A

Time: 9:45 to 11145

Tamina Cowarade	0	100	ramming
Topics Covered:	L	,]	

S.N.	Roll No.	Name of Students	Signature
01 A1	\$1511001	SHINDE SHUBHAM SHRIKANT	
02 A1	\$1511002	KAPSE VIVEK BALU	VEPSP
03 A1	\$1511003	MAHADIK SWAPNIL NARAYAN	
04 A1	S1511004	GHADGE SHIVAM SANJAY	Co
05 A1	S1511005	ALEKAR PRAJWAL DAYANAND	Prus
06 A1	S1511006	KOLI SAYALI JAGDISH	(Layali.
07 A1	S1511007	MALWADE OM SACHIN	(I)
08 A1	S1511008	SHETE SANIKA MANOJ	dan
09 A 1	S1511009	NAGMODE DEVANSHU	20
10 A 1	S1511010	LOKHANDE ABHIJEET SANJAY	
11 A1	S1511011	VIRKAR SURAJ NAVNATH	Hotel Sur
12 A I	S1511012	NANDE BHAKTI RAJENDRA	Brothis
13 A1	S1511013	THOPATE PURVA PANDURANG	Phopale
14 A1	S1511014	NIKAM SAHIL PANKAJ	S. P. Nikam
15 A1	S1511015	DHARAWANE PRACHI SANTOSH	
16 A1	S1511016	KHAPAKE KALYANI SANTOSH	KK
17 A I	S1511017	BHORKADE NIKHIL DATTU	
18 A1	S1511018	DANDWATE PRIYANKA	700
19 A1	S1511019	TELI GIRIJA LAXMAN	gitifa
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	
27 A2 28 A2	S1511028	SINGH ADITYA	
29 A2	S1511029	MARGALE SANTOSH KISAN	
30 A2	S1511030	RATHOD MAYANK UMESH	
	S1511031	BANTE CHAITANYA RAJESH	
31 A2	S1511032	GAWADE HARSH	
32 A2	S1511033	MAHAKALKAR ATHARV	
33 A2	S1511034	PATHAN SHAHANOOR VAZIR	
34 A2	S1511035	HIWALE ADITYA ASHOK	
35 A2	S1511036	SARDESAI VIDULA SUDHIR	
36 A2	S1511030 S1511037	JAGTAP NEHA VIRSING	
37 A2	S1511037 S1511038	KUDALE SEEYA MUKUND	
38 A2	31311030		





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:

Time:

Course:

Topics Covered:

S.N.	Roll No.	Name of Students	Signature
39 A2	S1511039	GAWADE PRATIK EKNATH	
40 A 2	S1511040	SHINDE SWEETY YOGESH	
41 A2	S1511041	INGALE RAJ SANJAY	e
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	°S)
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	
8 A 3	S1511058	SALUNKE JAYESH SACHIN	
9 A3	S1511059	POKALE HARSH PRAKASH	
0 A3	S1511060	PATIL TANMAY PRADEEP	
1 A3	S1511061	SHEJUL PRERANA VIJAY	
2 A 3	S1511062	SHINDE OMKAR MARUTI	
3 A 3	S1511063	GADEKAR RAJESH GORAKSH	
4 A3	S1511064	TAPKIRE SMIT RAMESHRAO	
5 A 3	S1511065	BIRADAR ASHWINI BHARAT	
6 A 3	S1511066	DHAWANE PRATIK NARAYAN	
7 A 3	S1511067	PAYGHAN VISHAL GAJANAN	
		Present Students Count	the second second

Head of Department





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 D

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.

Name of Expert:	Mr. Ankit Kumar	
Designation:	Application Engineer (MathWorks)	
Organization:	DesignTech System Pvt. Ltd, Pune	16.
Experience:	10 Yrs	
Date:	29/09/2023	
Time and Duration:	10: 00 am to 02:00 pm	

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 Principals

Teal College of Engineering & Police of the Party of the

Prof. Y. R. Ingole Head of Department





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 29th September 2023 from 10:00 am to 2:00pm.

Attendance is compulsory to all.



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







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.	Contents Covered	POs Mapping to the Contents
	The Session was planned for students to have Hands-on session for	PO1, PO2, PO3,
	MATLAB Onramp.	PO4, PO5, PO7,
	Mr. Ankit Kumar shared valuable information about MATLAB Onramp	PO9, PO10, PO11,
1	and demonstrated the same with many applications.	PO12, PSO1, PSO2,
	Students have completed the certification for MATLAB Onramp online	PSO3
	course.	

Thanking You,



Yours Sincerely,

Prof. Sayali S. Dhumal





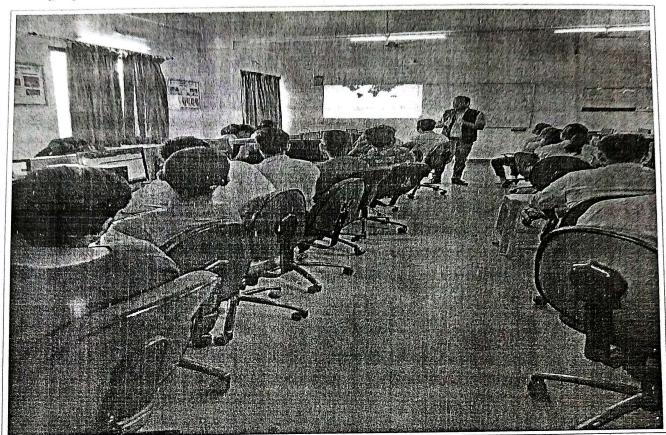


Record No.: ZCOER-ACAD/R

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.



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

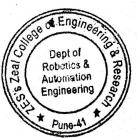


HANDS-ON SESSION CONDUCTION CERTIFICATE

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 29th 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 Robbins & Automation Engg.
ZES's Zeal College of
Engineering & Research
Narhe, Pune-411041

Perved,



ZEAL EDUCATION SOCIETY'S 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.

& Engine

Dept of Robotics & Automation

Engineering

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

Prof. Y. R. Ingole

Head of Department
Head of Department
Dept. of Robitics & Automation Engg.

ZES's Zeal College of Engineering & Research Narhe, Pune-411041

Rocived \$ 25.03,2023





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: 29.09.2023

Name of Expert/ Guest: Mr. Ankit Kumar

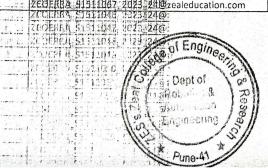


Sr.	144.31	NT.	Marks	
No.	Attribute	No. of responses	Obtained	%
1	How would you rate the content of the session?		184	84
2	How would you rate the knowledge of the guest for the session?		185	84
3	How would you rate the content delivery method of the guest for the session?	44	185	84
4	How would you rate the management of the session?		176	80
5	Do you think the content of the session added to your knowledge?		204	93

Cdback Coordinator

HOD

Roll No. Name	Email Address [Required]	Password	Sign
S1511001 SHINDE SHUBHAM SHRIKANT	ZCOERRA 51511001 2023 24@zealeducation.com	zeal@1234	20-
S1511002 KAPSE VIVEK BALU	ZCOERRA \$1511002 2023 24@zealeducation.com	zeal@1234	
S1511003 MAHADIK SWAPNIL NARAYAN	ZCOLRRA \$1511003 2023 24@zealeducation.com	zeal@1234	Swornite
S1511004 GHADGE SHIVAM SANJAY S1511005 ALEKAR PRAJWAL DAYANAND	ZCOERRA \$15 (1004 2023 24@zealeducation.com	zeal@1234	
S1511006 KOLI SAYALI JAGDISH	ZCOERRA \$1511005 2023 24@zealeducation.com ZCOERRA \$1511006 2023 24@zealeducation.com	zeal@1234	9-
S1511007 MALWADE OM SACHIN	ZCOERRA \$1511007 2023 24@zealeducation.com	zeal@1234	
S1511008 SHETE SANIKA MANOJ	ZCOERRA 51511008 2023 24@zealeducation.com	zeal@1234	One
S1511009 NAGMODE DEVANSHU DEEPAKKUMAR	ZCOERRA_\$1511009_2023_24@zealeducation.com	zeal@1234 zeal@1234	PX
51511010 LOKHANDE ABHIJEET SANJAY	ZCOERRA 51511010 2023 24@zealeducation.com	zeal@1234	
S1511011 VIRKAR SURAL NAVNATH	ZCOERRA_S1511011_2023_24@zealeducation.com	zeal@1234	Vita fortal
S1511012 NANDE BHAKTI RAJENDRA	ZCOERRA_S1511012_2023_24@zealeducation.com	zeal@1234	Blobies
S1511013 THOPATE PURVA PANDURANG	ZCOERRA_S1511013_2023_24@zealeducation.com	zeal@1234	Division
S1511014 NIKAM SAHIL PANKAJ	ZCOERRA_S1511014_2023_24@zealeducation.com	zeal@1234	S.P. Nikam
S1511015 DHARAWANE PRACHI SANTOSH	ZCOERRA_S1511015_2023_24@zealeducation.com	zeal@1234	(Started
S1511016 KHAPAKE KALYANI SANTOSH	ZCOERRA_S1511016_2023_24@zealeducation.com	zeal@1234	(Xike
S1511017 BHORKADE NIKHIL DATTU	ZCOERRA_S1511017_2023 24@zealeducation.com	zeal@1234	103
S1511018 DANDWATE PRIYANKA PRAKASH	ZCOERRA_S1511018_2023_24@zealeducation.com	zeal@1234	Rajaki
S1511019 TELI GIRIJA LAXMAN	ZCOERRA_S1511019_2023 24@zealeducation.com	zeal@1234	
S1511020 LATPATE DIPALI SAHEBRAO	ZCOERRA S1511020_2023_24@zealeducation.com	zeal@1234	
S1511021 RATHOD VEDANT VINOD	ZCOERRA_S1511021_2023_24@zealeducation.com	zeal@1234	11 Vint our fill mark of the
S1511022 GHADGE SAKSHI PRALHAD	ZCOERRA S1511022_2023_24@zealeducation.com	zeal@1234	
S1511023 MANURE PARSHURAM SHIVAPPA.	ZCOERRA S1511023_2023_24@zealeducation.com	zeal@1234	
S1511024 MORE RIYA RAJENDRA		zeal@1234	(Del)
S1511025 AVHAD GAURAV SHARAD	ZCOERRA 51511025_2023_24@zealeducation.com	zeal@1234	
S1511026 PADMUKH KARAN RAMESH	ZCOERRA 51511026_2023_24@zealeducation.com	zeal@1234	
S1S11027 WAGHMARE PRASAD MOTIRAM	ZCOERRA 51511027 2023 24@zealeducation.com	zeal@1234	
S1511028 SINGH ADITYA	ZCOERRA 51511028 2023 24@zealeducation.com	zeal@1234	Adiba
S1511029 MARGALE SANTOSH KISAN	ZCOERRA S1511029 2023 24@zealeducation.com	zeal@1234	
S1511030 RATHOD MAYANK UMESH	ZCOERRA_S1511030_2023_24@zealeducation.com	zeal@1234	01
S1511031 BANTE CHAITANYA RAJESH	ZCOERRA_S1511031_2023_24@zealeducation.com	zeal@1234	Cheutys
S1511032 GAWADE HARSH CHANDRAKANT	ZCOERRA, S1511032_2023_24@zealeducation.com	zeal@1234	
S1511033 MAHAKALKAR ATHARV DIPAKRAO	ZCOERRA_S1511033_2023_24@zealeducation.com	zeal@1234	
S1511034 PATHAN SHAHANOOR VAZIR	ZCOERRA_S1511034_2023_24@zealeducation.com	zeal@1234	
S1511035 HIWALE ADITYA ASHOK	ZCOERRA_S1511035_2023_24@zealeducation.com	zeal@1234	
S1511036 SARDESALVIDULA SUDHIR		zeal@1234	Aus
S1511037 JAGTAP NEHA VIRSING		zeal@1234	wehr
S1511038 KUDALE SEEYA MUKUND		zeal@1234	
S1511039 GAWADE PRATIK EKNATH	ZCOERRA_S1511039_2023_24@zealeducation.com	zeal@1234	Predik. G
S1511040 SHINDE SWEETY YOGESH	ZCOERRA 51511040 2023 24@zealeducation.com	zeal@1234	County.
1511041 INGALÉ BAJ SANJAY	ZEDERRA_51511041_2023_24@zealeducation.com	zeal@1234	
1511042 CHAVAN PAYAL PANDU	ZEOERRA S1511842 2823 24@zealeducation.com	zeal@1234	1
1511043 KUMBHAR VEDANT PRAVIN	ZEOERRA 51511043_2023_24@zealeducation.com	zeal@1234	V
1511044 NIMBALKAR PRAJWAL SHRIKANT	ZEOERRA_\$1511844_2023_24@zealeducation.com	zeal@1234	A second
1511045 YEVALE YASH DILIP	760ERRA_\$1511045_2023_24@zealeducation.com	zeal@1234	
1511046 HIWARDE VEDANT RAMDAS	ZCOERBA \$1511046 2023 24@zealeducation.com	zeal@1234	Wed in E
1511047 NANAWARE ATHABVA SACHIN	ZCOEBRA 51511047 2023 24@zealeducation.com		Bomundre
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	ZCOERRA \$1511051_2023_24@zealeducation.com		
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	7COEDDA C1511052 2023 24@zealeducation.com	zeal@1234	
	2COERRA 51511053_2023_24@zealeducation.com	zeal@1234	
	ZCOERRA 51511054_2023_24@zealeducation.com	zeal@1234	
	ZCOERRA_\$1511055_2023_24@zealeducation.com	zeal@1234	
	ZCOERRA: 51511056_2023_24@zealeducation.com	zeal@1234	
	ZCOERRÁ_S1511057_2023_24@zealeducation.com	zeal@1234	
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11039 POKALE HARSH PRAKASH	ZCOERRA_51511059_2023_24@zealeducation.com	zeal@1234	
511060 PATIL TANMAY PRADEEP 1	ZCOERRA_S1511060_2023_24@zealeducation.com	zeal@1234	1 1
11061 SHEJUL PRERANA VIJAY	ZCOERRA_\$1511061 2023_24@zealeducation.com	zeal@1234	- Merina.
	ZCOERRA 51511062 2023 24@zealeducation.com	zeal@1234	
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	26 CRRA 515 1165 2023 24@zealeducation.com	zeal@1234	
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	EGERBA_41511067_2023_24@zealeducation.com	Ecuie 1254	







Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Expert Session Attendance

Department: Robotics & Automation Engineering Class: SE A SEM: I

Academic Year: 2023 -2024

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	51511049	Pratiksha Nanasaheb Qudhave	Roheee
02	51511042	Payal Pondu Chavan	TT
03	51511053	Aditya Ajit Kulkarni	Keukalen
04	61211031	Chaikanya Bante	Charleye.
05	51511014	sahil Pankaj Nikam	SPNika
06	\$1511003	Swapni) Narayan Mahadile	Swapning
07	51511017	Hikhil Datta Bhorkade	208.
08	51511066	Peatik Nasayon Dhowane	9
09	51511039	Pratik Eknath Gawarde	Pratik.
10	51511060	Tanmay Prodecy Patil	MAN THE
11	51511024	Riya Rajendon More	<u>Dan</u>
12	51511012	Bhakti Rajendra Nande.	Bhaltiely
13	31511018	Priyanka Prakash Pandwate	Righton
14	81511037	Neha Virsing Jagtap	Mela
15	51511047	Nanaware Atharva Sachin	Danaware
16	51511040	Sweety Yogish shinde	- wil
17	51511015	Dharawane Prachi Santosh	Death
18	51511028	Aditje Singh	Adulter

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





Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Expert Session Attendance

Department: Robotics & Automation Engineering Class: SE A

SEM: I

Academic Year: 2023 -2024

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

Topics Co	vered: MATLAR.	& Cimuliate O		
	THE PART LAND	& Simulink Onramp	Duration A II-	10 4 05 00
		A CONTRACTOR OF THE PROPERTY O	Duration: 4 Hrs (10 to 02:00 pm)

	S.N. Roll No.		Duration: 4 Hrs (10 to 02:00 p	
	0.11.	K011 NO.	Name of Students	
	19	51511043	Vedant Pravin Kumbhar	12
-	20	51511062	shinde omkar Manni	Shirl
1	21	51511046	Vedant Romdas Hiwarde	(eday)
	22	51511058	Tayesh Sachin Salunke	tuke
	23	51511011	Virkar Suraj Navnath	Victoriani
	24	21811005	Prajwal Dayanand Aleksas	(A)
	25	51511036	Prajwal Dayanand Alekaar Vidula Sudhir Sandescu	La.J.
	26	S1511001	Shusham Shiekart Shindle	0
	27	31271076	kalyani Santosh khapalce.	(hu)
	28	31511008	Sanika Manoj Shete	lanka
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	34			
	35			
	36			

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

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Head of Separtment
Dept. of Robitics & Automation Engineering & Research





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 D

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.

Name of Expert:	Mr. Ankit Kumar	
Designation:	Application Engineer (MathWorks)	
Organization:	DesignTech System Pvt. Ltd, Pune	16.
Experience:	10 Yrs	
Date:	29/09/2023	
Time and Duration:	10: 00 am to 02:00 pm	

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 Principals

Teal College of Engineering & Police of the Party of the

Prof. Y. R. Ingole Head of Department





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

Date: 19/10/2023

To.

The Principal ZCOER, Pune.

Class: BE

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.

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

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

Dept of Roberts &

Automation

Engineering

the remuneration of Rs. 6000/-

Prof. Sayali Dhumal
Course Faculty

Remark by Principal

Allowed & opposived

All

Follows

Prof. Y. R. Ingole

Head of Department

Head of Department

Dept. of Robitics & Automaticn Engg.
ZES's Zeai College of
Engineering & Research
Narhe, Pune-411041



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: 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, 21st 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**







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:

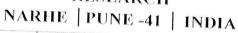
Sr. No	Contents Covered	POs Mapping to the Contents
1	The Session was planned for students to have Hands-on session for Internet of Things (IOT). Mr. S.R. Badiger shared valuable information about Internet of Things (IOT) and demonstrated the same with many applications. The session covered installation 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,

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Yours Sincerely Prof. Sayali S. Dhumal





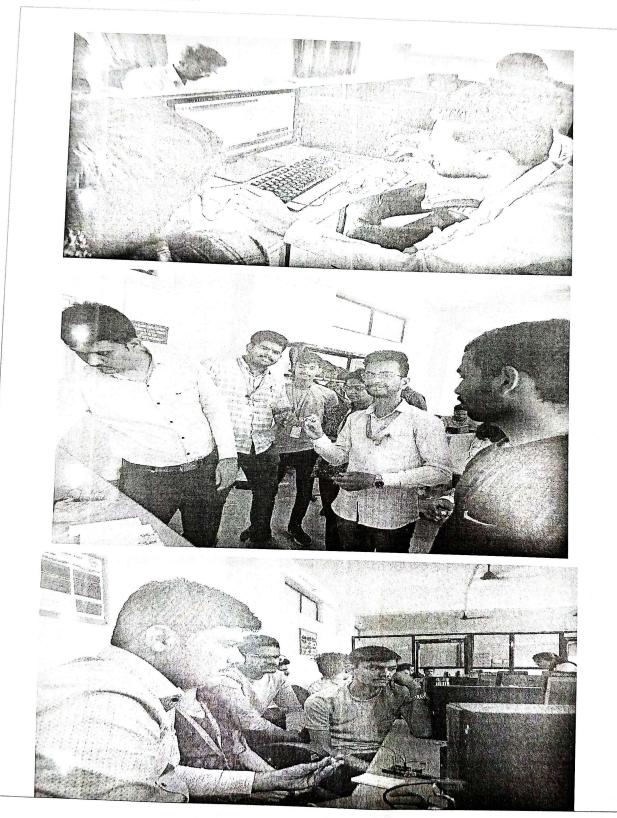


Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Photographs/Screen shots:





NARHE | PUNE -41 | INDIA

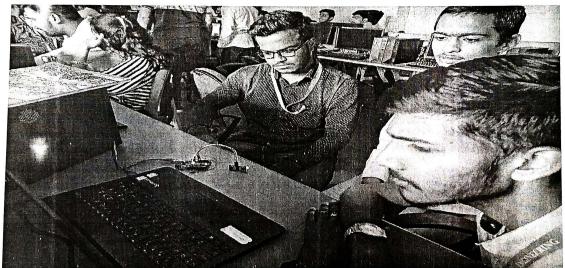


Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021









ZEAL EDUCATION SOCIETY'S ZEAL COLLEGE OF ENGINEERING AND RESEARCH

NARHE | PUNE -41 | INDIA

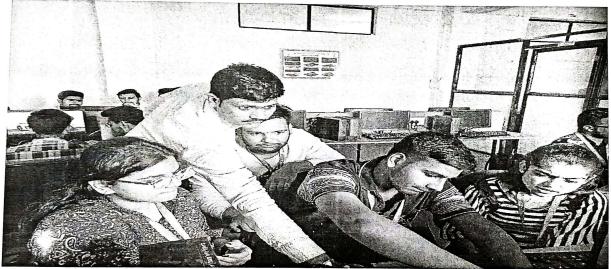


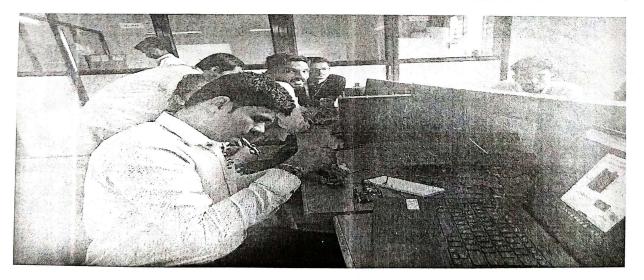
Record No.: ZCOER-ACAD/R

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.



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

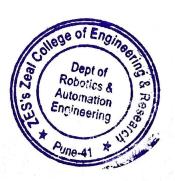


HANDS-ON SESSION CONDUCTION CERTIFICATE

Date: 21/10/2023

To whom it may concern

Mr. S.R. Badiger, Asst. Prof., TSSM'S BSCOER Narhe, Pune -411041 has conducted handson 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 21st 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 Robitics & 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 DEPARTMENT OF ROBOTICS & AUTOMATION



Letter of Thanks

Date: 29/10/2023

To.

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

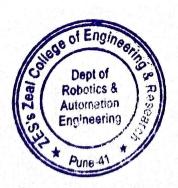
Subject: Letter of Thanks.

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





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.		37 6	Marks		
No.	Attribute	No. of responses	Obtained	%	
1	How would you rate the content of the session?		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?	42	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	

Fi back Coordinator



H.O.D.

Head of Department

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





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

Date: 21/10/2023

Course: Internet of Things (IOT)

Topics Covered: Installation of trudhino, interfacing, communication

DiA. Sensors.

S.N.	Roll No.	Name of Students	Sign
01	51511033	Athary . D. Mahakadkar	Alex
02	515 11042	Fayal P. Chavan	12
03	S1511002	Vivelc B. Kaple	mappe
04	51511062	Omkar Manuti Shinde.	Shirt
05	S15 11008	Sanika Manoj shete	Neite
06	51511018	Payanka Poakash Dandwate	Ryplan
07	51511049	Pratitisho N. Qadhave	Poloce
08	51511013	Purra Pandurang Thopale.	Phipot.
09	91511036	Midula Bardesan	1
10	61511047		agracion E
11	61511046	Vedant Hiwarde	Const
12	51511039	Pratik Eknath Gawade	Prestik.cr
13	51516G	Dentik Narayon Phawaine	
14	9511044	Project Sheikant Nimbalkal.	Project
15	51511058	Jayesh Salunke	O /
16	31611008	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	nika
17	51511037	Niha Jagtap	Bhalley
18		Bhakti Rojendoa Nande.	brows
19			
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Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Hands-On Session Attendance Sheet

Department: Robotics & Automation Engineering Class: TE

Academic Year: 2023-2024 SEM: I

Date: 21/10/2023

Course: Internet of Things (IOT)
Topics Covered: Installation of Adulto, interfacing, Communication
With Diff. Sensors.

S.N.	Roll No.	Name of Students	Sign
01	62	Rushikesh M. Shinde	Sinde
02	30	Athgova so kale	Kel
03	68	Kryshna V. Tathe	Kronspurst
04	65	Anyan . R. sutar	MAS.
05	32	Divid kathara	talae
06	03	Wijwol Bhagat Sweeker Mohite	affried
07	41	Sweeker mouite	Sm
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Head of Department **Head of Department**

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





Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Hands-On Session Attendance Sheet

Department: Robotics & Automation Engineering

Academic Year: 2023-2024 SEM: I Date: 21/10/2023

Course: Internet of Things (IOT)
Topics Covered: Installation of Acquino, interfacing, Communication

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S.N	. Roll No.	Name of Students	Sign
01	24	JACTAP SIPPHESH PRAUSIN	32.
02	13	Aarhal Rajesh Deshmuch	Swarf
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Dept. of Robitics & Automotion Engg. ZES's Zeal College of Engineering & Research Narhe, Pune-411041



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

Robotics & Automation Engg.

Dr. A. M. Kate

Principal. **ZCOER, Pune**

Follow us at : zealinstitutes (f) (5) (2) (in)











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

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





Record No.: ZCOER-ACAD/R/21

Revision: 00

Date:01/04/2021

Permission for Expert Session

Department: Robotics & Automation

Semester: II Div: A Academic Year: 2023-2024

Date: 29/12/2023

To,
The Principal
ZCOER, Pune

Class: BE

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.

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

Remuneration Details:

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

Dept of Robblics &

Automation

Engineering

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

Prof. Sayali Dhumal Course Faculty

Remark by Principal:

Allowed 8 approved fallowed

Prof. Y. R. Ingole

Head of Department
Head of Department

Dept. of Robitics & Automation Engg.
ZES's Zeal College of

Engineering & Research Narhe, Pune-411041



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

Semester: II

Academic Year: 2023-2024

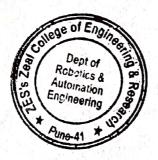
Date: 26.12.2023

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 29th December, 2023 from 09:30 am to 3:45 pm.

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

Session 2: Macrane 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 Robitics & 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: 29.12.2023

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

Thanking You,



Yours Sincerely,
Prof. Sayali S. Dhumal



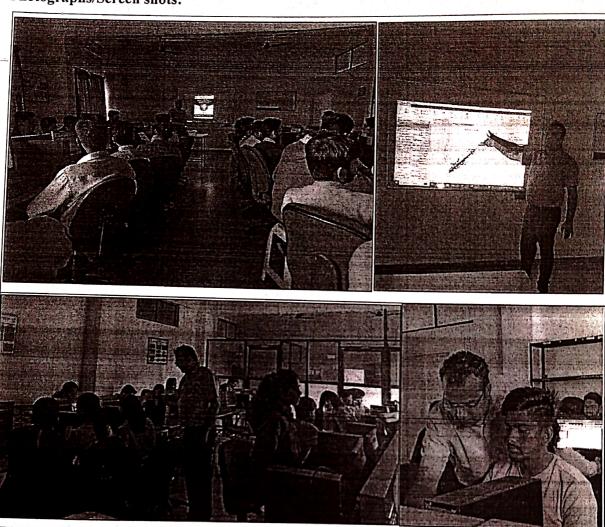
ZEAL EDUCATION SOCIETY'S ZEAL COLLEGE OF ENGINEERING AND RESEARCH



Record No.: ZCOER-ACAD/R Revision: 00

Date:01/04/2021

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.



ZEAL EDUCATION SOCIETY'S ZEAL COLLEGE OF ENGINEERING AND RESEARCH NARHE | PUNE -41 | INDIA 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 29th December 2023 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe, Pune -41, India.

Dept of Roboics & Roboics of Roboics of Engineering Roboics of Rob

Prof. Y. R. Ingole Head of Department

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

Dept of Robosics & Automation Engineering

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

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

Reduced 8: 29:12:2023





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

	A.C. 1. 7		Mar	Marks	
No.	Attribute	No. of responses	Obtained	%	
1	How would you rate the content of the session?		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?	19	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	

F dback Coordinator



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





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

Topic: Astificial Intelligence & it's Application Time: 9:30 to 12:30 using MATLAB

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38 A2	B1511038	NAWAL SHIVAM DILIP	





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

Expert Session Attendance Sheet

Department: Robotics & Automation Engineering Class: BE A

Topic:

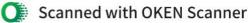
SEM: II Academic Year: 2023-2024

Date: 29.12.2023

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42 A2	B1511041	PATIL BHAVIKA	Trail!
43 A2	B1511042	PATIL YASH PRABHAKAR	Rati
44 A2	B1511043	PAWAR VRUSHAB	Drawa
45 A2	B1511044	PORE AJIT PANDURANG	- Ag-
46 A2	B1511046	PRAJAPATI NILESH	
47 A2	B1511047	PUDALE RUSHIKESH	RuslikesL
48 A2	B1511048	RANDIVE VYANKTESH RANGATE YASH	mics
49 A3	B1511049	RANGPELMUZAERAS	
50 A3	B1511050	RANGREJ MUZAFFAR RASAL VAIBHAV SANJAY	60 V - D
51 A3	B1511051	RAUT PRATIKSHA DINESH	DWOT .
52 A3	B1511052	ROKADE PRANALI	P.D. Kaut
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Head of Department







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 of Deep Learning Workflow Time: 1:15

to 3:45

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10 A1	B1511010	CHAVAN ANIKET	N March
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15 A1	B1511015	DHAMNE MIHIR GANESH	
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17 A1	B1511017	DHUMAL ROHAN	
18 A1	B1511018	GADE OM PRADEEP	
19 A1	B1511019	GAIKWAD SURAJ DHANAJI	Taikway
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21 A1	B1511021	JADHAV RAHUL AJIT	
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24 A1	B1511024	JAGTAP SIDDHESH PRAVIN	3
25 A2	B1511025	KADU OM SANDEEP	
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Record No.: ZCOER-ACAD/R Revision: 00 Date:01/04/2021

Expert Session Attendance Sheet

Department: Robotics & Automation Engineering

Class: BE A

Topic:

SEM: II

Academic Year: 2023-2024

Date: 29.12.2023

Time:

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S.N.	Roll No.	Name of Students	Sign
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40 A2	B1511040	PARDESHI SOURABH	
41.A2	B1511041	PATIL BHAVIKA	
42,A2	B1511042	PATIL YASH PRABHAKAR	(Vati)
43 A2	B1511043	PAWAR VRUSHAB	Chave
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45 A2	B1511045	PRAJAPATI NILESH	
46 A2	B1511046	PUDALE RUSHIKESH	Rushikesh
47 A2	B1511047	RANDIVE VYANKTESH	
48 A2	B1511048	RANGATE YASH	
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51 A3	B1511051	RAUT PRATIKSHA DINESH	p.D. Kaut
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Head of Department

ZEAL COLLEGE OF ENGINEERING & RESEARCH Artificial Intelligence (AI) and Its Applications Using MATLAB

Date	Session	Topic	Contents	
29/12/2023	Forenoon	Machine Learning using MATLAB	 What is Machine Learning Understanding Machine Learning Workflow Supervised and Unsupervised Learning Create, train and validate Machine Learning models interactively Using Regression Leaner App and Classification Learner App 	
		Machine Learning Onramp	https://matlabacademy.mathworks.com/details/machine-learning-onramp/machinelearning	
29/12/2023	3 Afternoon	Deep Learning using MATLAB	 What is Deep Learning Understanding Deep Learning Workflow Interactively create and train deep learning networks using Deep Network Designer App Create Image Classification Network from scratch Using Transfer Learning Approach to classify a new collection of images 	
		Deep Learning Onramp	https://matlabacademy.mathworks.com/details/deep- learning-onramp/deeplearning	

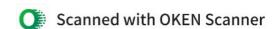
Enclose-Speaker Profile for Reference

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

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







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.

Name of Expert:	Mr. Prem Naik
Designation:	Design Engineer
Organization:	Infinite Graphix Technologies pvt ltd, Pune
Experience:	8 Yrs
Date:	12/01/2024
Time and Duration:	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

Roboilis &

Automation

Engineering

the remuneration of Rs. Nil

Prof. Devendra N. Chaudhari

Course Faculty

Remark by Principal:

Prof. Y. R. Ingole Head of Department

Head of Department

Dept. of Robitics & Automation Engg ZES's Zeal College of Engineering & Research

Narhe, Pune-411041





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 12th January, 2024 from 10:30 am to 11:30am.

Attendance is compulsory to all.

Dept of Robotics & Automation Engineering & Pune-A1

Prof. Y. R. Ingole Head of the Department

Head of Department
Dept. of Robitics & 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: 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.	Contents Covered	POs Mapping to the Contents
1	Different Design Tools and their lise for industry lylf.	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

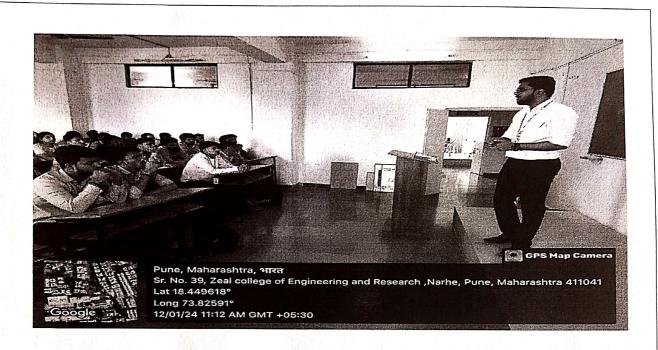


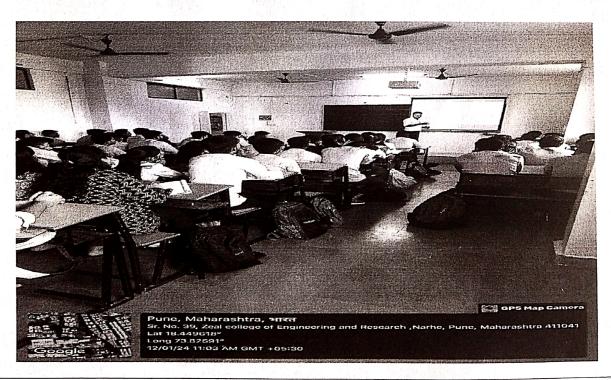


Record No.: ZCOER-ACAD/R

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 -





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 12th 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 Robitics & Automation Engg
ZES's Zeal College of
Engineering & Research
Narhe, Pune-411041





Letter of Thanks

Date: 12.01.2024

To,

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

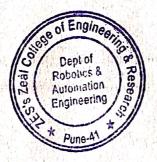
Subject: Letter of Thanks.

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





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

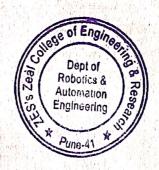
Semester: II

Date: 12.01.2024

Name of Expert/ Guest: Mr. Prem Naik

Sr.		N	Marks	
No.	Attribute	No. of responses	Obtained	%
1	How would you rate the content of the session?	The first section of the section of	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?	24	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 Robitics & Automation Enga ZES's Zeal College of Engineering & Research Narhe, Pune-411041





Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Expert Session Attendance

Department: Robotics & Automation Engineering

SEM: II

Academic Year: 2023 -2024 Date: 12 | 01 | 2024

Class: TE A Subject: FMS of RP, Internship Topics Covered: Solid Mosk

Time: 10.30 am

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	alfuel
04 A1	T1511004	BHANBHANE PRANALI	
05 A1	T1511005	BHASKAR YASH BHARAT	Yoshing.
06 A1	T1511007	BIJOY ARYAN	Ale
07 A1	T1511008	BODAKE SAURABH	Podake
08 A1	T1511009	BONDALE KUNAL	Ru
09 A1	T1511011	CHALARAKAL LEVIN	Geria
10 A1	T1511012	CHAVAN OMKAR	devar
11 A1	T1511015	DABHADE SANKET	Bahhade
12 A1	T1511016	DOLASKAR KARTIK	
13 A1	T1511017	GADEWAR SAKSHI BALAJI	Solchi
14 A1	T1511018	GAIKAWAD SAURABH	Hall the second
15 A1	T1511019	GAIKWAD PRANNOY ATUL	
16 A1	T1511020	GHADAGE VAIBHAVI	Charles
17 A1	T1511021	GHOLAP TEJAS	Bhotop
18 A1	T1511022	INAMDAR SAMIYA FAYAJ	Bramdar
19 A1	T1511023	JADHAV HARSHAL	
20 A1	T1511024	JADHAV VISHWARAJ	P
21 A2	T1511027	JORI ABHISHEK	Aiox
22 A2	T1511028	JORI MANAV AJAY	Malair
23 A2	T1511030	KALE ATHARV SHIVAJI	Allank
24 A2	T1511032	KATHARE DIVYA ANIL	Molou
25 A2	T1511033	KATKAR ADITYA MANOJ	Khitry
26 A2	T1511034	KOLI AVANTIKA RAJARAM	(Dd)
27 A2	T1511035	LOKHANDE AMEY ANANT	7100
28 A2	T1511036	LONI MOHAMMAD ESA	r 1
29 A2	T1511037	MAGAR OMKAR GANPAT	Sioni
30 A2	T1511037	MAHAMUNI YASH SANJAY	
31 A2	T1511038	MANDAVKAR RUTUJA	(D) modula o
31 A2 32 A2	T1511039		(Promowly)
		MEHTA ADITYAKANT	odorgo
33 A2	T1511041	MOHITE SWEEKAR SUNIL	800
34 A2	T1511042	MORE ABHIJEET	the
35 A2	T1511043	MORE RAHUL RAJENDRA	
36 A2	T1511044	MORE SUSHANT SUNIL	M
37 A2	T1511045	NIKAM ANIKET SANTOSH	
38 A2	T1511046	PAIGUDE SANIKA SUNIL	E SELECTION OF THE SELE





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

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S.N.	Roll No.	Name of Students	Onkol
39 A2	T1511047	PALANGE OMKAR PRADIP	Odi Vo
40 A2	T1511048	PANCHAL SANDHYARANI	
41 A3	T1511049	PARAB OMKAR YOGESH	
42 A3	T1511050	PATIL VARAD VINOD	4 M
43 A3	T1511051	RAUT AKSHAY	The state of the s
44 A3	T1511052	RAUT BHAVESH MANOJ	
45 A3	T1511053	SALUNKE ADITYA	
46 A3	T1511054	SALUNKHE	Cojenstra
47 A3	T1511055	SARODE LALIT	
48 A3	T1511057	SHAIKH AMAN ULFAN	
49 A3	T1511060	SHELAR ROHAN	Dame
50 A3	T1511061	SHELKE VAIBHAVI	A CONTRACTOR OF THE PARTY OF TH
51 A3	T1511062	SHINDE RUSHIKESH	CAMB
52 A3	T1511063	SHIRKE MAHESH SATISH	WEI
53 A3	T1511065	SUTAR ARYAN	all'a
54 A3	T1511066	TALATHI ASAWARI	
55.A3	T1511067	TANNU AMEYA GANESH	
56 A3	T1511068	TATHE KRUSHNA	
57 A3	T1511069	VAIDYA SHUBHAM	
58 A3	T1511070	VISHWAKARMA	Shin
59 A3	T1511071	WAKCHAURE MUKUNDA	More
		Present Students Count	39

Head of Department





Revision: 00 Record No.: ZCOER-ACAD/R/21

Date:01/04/2021

Permission for Industry Expert Session

Semester: II

Department: Robotics & Automation

Div: A

Academic Year: 2023-2024

Date: 11.01.2024

Class: TE &BE

To, The Principal ZCOER, Pune

Subject: Permission for scheduling an Expert Session

Respected Sir,

For enhancing the understanding of students about "Generative Al", 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 Tatale
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-

Course Faculty

Remark by Principal:

Allowed & appeared
Adeate

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





Record No.: ZCOER-ACAD/R/39

Revision: 00

Date:01/04/2021

Notice

Department: Robotics & Automation

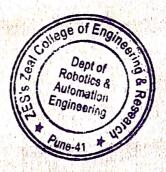
Sem: II

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 Al" on Saturday 13th 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





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 Al" 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
- 10 / 10 / 10 / 10 / 10 / 10 / 10 / 10	The Session was planned for TE & BE students to have Expert Lecture	PO1, PO2, PO3,
	for Generative Artificial Intelligence (Al).Dr. Subhash Tatale shared	PO4, PO5, PO7,
	valuable information about different toolboxes used for AI, Machine	PO9, PO10, PO11,
	Learning and Deep Learning and demonstrated the same with many	PO12, PSO1, PSO2,
	applications.	PSO3

Thanking You,



Yours Sincerely, Prof. Kotakar A.S.



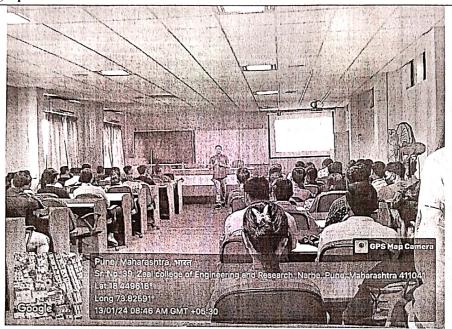


Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Photographs/Screen shots:





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



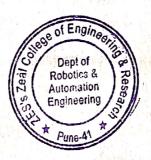


EXPERT LECTURE CONDUCTION CERTIFICATE

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 Al", organized by Department of Robotics & Automation Engineering dated 13th 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 Robitics & Automation Engg
ZES's Zeal College of
Engineering & Research
Nache, Pune-4:11041





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 Al" 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.

Dept of Robotics & Automation Engineering

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Prof. Y. R. Ingole Head of Department

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





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.			Marks	
No.	Attribute	No. of responses	Obtained	%
1	How would you rate the content of the session?		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?	33	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.





Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Expert Session Attendance

Department: Robotics & Automation Engineering

SEM: II

Academic Year: 2023 -2024

Date: 13/01/2027 Time: 10.30 am to 11 30am

Class: TE A Subject:

Topics Covered: Crenerative AI

S.N.	Roll No.	Name of Students	Sign
01 A1	T1511001	AGALE NIKHIL SACHIN	AXX
02 A1	T1511002	BAGAL KAWAL YOGESH	
03 A1	T1511003	BHAGAT UJJWAL	Cyfual
04 A1 -	T1511004	BHANBHANE PRANALI	
05 A1	T1511005	BHASKAR YASH BHARAT	GHG.
06 A1	T1511007	BIJOY ARYAN	Dry-
07.A1	T1511008	BODAKE SAURABH	Rodake
08 A1	T1511009	BONDALE KUNAL	
09 A1	T1511011	CHALARAKAL LEVIN	Levin
10 A1	T1511012	CHAVAN OMKAR	Maran
11 A1	T1511015	DABHADE SANKET	Juc
12 A1	T1511016	DOLASKAR KARTIK	at .
13 A1	T1511017	GADEWAR SAKSHI BALAJI	satur
14 A1	T1511018	GAIKAWAD SAURABH · : *	AT COMPANY
15 A1	T1511019	GAIKWAD PRANNOY ATUL	20
16 A1	T1511020	GHADAGE VAIBHAVI	
17.A1	T1511021	GHOLAP TEJAS	toholap.
18 A1	T1511022	INAMDAR SAMIYA FAYAJ	Somme as
19 A1	T1511023	JADHAV HARSHAL	
20 A1	T1511024	JADHAV VISHWARAJ	101
21 A2	T1511027	JORI ABHISHEK	ATOM
22 A2	T1511028	JORI MANAV AJAY	Maria
23 A2	T1511030	KALE ATHARV SHIVAJI	Kulse
24 A2	T1511032	KATHARE DIVYA ANIL	
25 A2	T1511033	KATKAR ADITYA MANOJ	adya.
26 A2	T1511034	KOLI AVANTIKA RAJARAM	Pal
27 A2	T1511035	LOKHANDE AMEY ANANT	
28 A2	T1511036	LONI MOHAMMAD ESA	Gloni.
29 A2	T1511037	MAGAR OMKAR GANPAT	all
30 A2	T1511038	MAHAMUNI YASH SANJAY	9
31 A2	T1511039		(Promotule.
32 A2	T1511040	MEHTA ADITYAKANT	Alleja
32 A2 33 A2	T1511040	MOHITE SWEEKAR SUNIL	Somonite
34 A2	T1511041	MORE ABHIJEET	All
35 A2	T1511042	MORE RAHUL RAJENDRA	A AMALY TO TAKE
36 A2	T1511045	MORE SUSHANT SUNIL	W.
37 A2	T1511045	NIKAM ANIKET SANTOSH	
37 A2 38 A2	T1511045	PAIGUDE SANIKA SUNIL	0 100





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

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S.N.	Roll No.	Name of Students	Sign
39 A2	T1511047	PALANGE OMKAR PRADIP	
40 A2	T1511048	PANCHAL SANDHYARANI	(24
41 A3	T1511049	PARAB OMKAR YOGESH	Onton
42 A3.	T1511050	PATIL VARAD VINOD	Harad
43 A3	T1511051	RAUT AKSHAY	
.44 A3	T1511052	RAUT BHAVESH MANOJ	
45 A3	T1511053	SALUNKE ADITYA	
46 A3	T1511054	SALUNKHE Gajenero	(2 July :
47 A3	T1511055	SARODE LALIT	
48 A3	T1511057	SHAIKH AMAN ULFAN	
49 A3	T1511060	SHELAR ROHAN	Som
50 A3	T1511061	SHELKE VAIBHAVI	Qualaus.
51 A3	T1511062	SHINDE RUSHIKESH	Find
52 A3	T1511063	SHIRKE MAHESH SATISH	W. 2:1
53 A3	T1511065	SUTAR ARYAN	MAZ
54 A3	T1511066	TALATHI ASAWARI	alath!
55 A3	T1511067	TANNU AMEYA GANESH	
56 A3	T1511068	TATHE KRUSHNA	
57 A3	T1511069	VAIDYA SHUBHAM	-5054
58 A3	T1511070	VISHWAKARMA	april
59 A3	T1511071	WAKCHAURE MUKUNDA	Wake
18.5		Present Students Count	4/1/200

Head of Department





Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Expert Session Attendance Sheet

Department: Robotics & Automation Engineering

Class: BE A Topic: Generative AI SEM: II Academic Year: 2023-2024 Date: 29.12:2023 13/01/2024

Time: 10-30 amto 1/30 am

Roll No.	Name of Students	Sign
B1511001	ANDURE VINIT DEEPAK	in a supplied
B1511002	BAGADE SAKSHI LAXMAN	a cyrshu
B1511003	BAGAWE SRUSHTI	gragane.
B1511004	BAKARE AUM	
B1511005	BHADE NAHUSH ANIL	
B1511006	BHOSLE SAMRUDDHI	adaga di Marijira K
B1511007		
B1511008		maris.
B1511009	CHAUHAN YASH	
B1511010	CHAVAN ANIKET	
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	MATE ADITI PANDURANG	
		387
	NAIK KHUSHI BHASKAR	
	NAWAL SHIVAM DILIP	
	B1511002 B1511003 B1511004 B1511005 B1511006 B1511007 B1511008 B1511010 B1511010 B1511011 B1511012 B1511013 B1511014 B1511015 B1511016 B1511017 B1511018 B1511019 B1511020 B1511020 B1511020 B1511021 B1511022 B1511023 B1511024 B1511025 B1511025 B1511026 B1511027 B1511028 B1511027 B1511028 B1511029 B1511030 B1511031 B1511031 B1511031 B1511032 B1511033 B1511034 B1511035 B1511035 B1511036	B1511002 BAGADE SAKSHI LAXMAN B1511003 BAGAWE SRUSHTI B1511004 BAKARE AUM B1511005 BHADE NAHUSH ANIL B1511006 BHOSLE SAMRUDDHI B1511007 BURTE RUTVIK B1511009 CHAUHAN YASH B1511010 CHAVAN ANIKET B1511011 CHAVAN PRATHAMESH B1511012 CHOWDHARY PANKAJ B1511013 DESHMUKH AACHAL B1511014 DEVAKAR SHRIDATTA B1511015 DHAMNE MIHIR GANESH B1511016 DHOTRE DEVESH MALIK B1511017 DHUMAL ROHAN B1511018 GADE OM PRADEEP B1511019 GAIKWAD SURAJ DHANAJI B1511020 INDORE RAHUL BHASKAR B1511021 JADHAV RAHUL AJIT B1511022 JAGTAP ABHISHEK B1511023 JAGTAP PRATHAM B1511024 JAGTAP SIDDHESH PRAVIN B1511025 KADU OM SANDEEP B1511026 KALAMBE NINAD MILIND B1511027 KALE SHRINIVAS B1511028 KHEDEKAR CHETAN B1511029 KSHIRSAGAR AVANTI B1511030 KUTE CHAITANYA B1511031 LAHAMAGE TEJAS KIRAN B1511032 MAHENDRE VINAY B1511033 MALWADKAR ABHISHEK B1511034 MATE ADITI PANDURANG B1511035 MORE PRAJWAL B1511036 NACHAN GOKUL B1511037 NAIK KHUSHI BHASKAR



Class: BE A

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

Topic: Generative AI

SEM: II

Academic Year: 2023-2024

Date: 29.12.2023 |3 |01/2014

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Present Students Count 20	70 A3	B1511070		
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Head of Department





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.

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

Remuneration Details:

	Number of Hrs. of session	Remuneration/ Hr.	Total
No. of London	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:

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

Head of Department





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 16th January, 2024 from 12:30 pm to 1:30pm.

Attendance is compulsory to all.

Dept of Roy Engineering Control Roy Engineering Contro

Prof. Y. R. Ingole Head of the Department



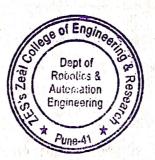


EXPERT LECTURE CONDUCTION CERTIFICATE

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 16th Jan 2024 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe, Pune -41, India.



Prof. Y. R. Ingole Head of Department





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





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.	· · · · · · · · · · · · · · · · · · ·		Marks	
No.	Attribute	No. of responses	Obtained	%
1	How would you rate the content of the session?	The second second	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?	31	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

edback Coordinator



H.O.D.





Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Expert Session Attendance Sheet

Department: Robotics & Automation Engineering

Class: SE Topic: Startup challenger

SEM: II

Academic Year: 2023-2024

Date: 16.01.2024
Time: 12:45 pm 40 2:00 pm

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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

Class: TE Topic: Startup Challenges

Academic Year: 2023-2024

Date: 16.01,2024

Time: 12:45 pm to 2:00pm

S.N.	Roll No.	Name of Students	Sign
01	T1511028	Jost Manay Agay	Mafor
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05	T1511030	Kale Athana Shivoyi	Au
06	T1511050	Patil Varad Vinod	Horad.
07	T1511021	Gholap Tejas Bhaizavanath	Toholap
08	T15110 19	Pramoy Aul Craileward	Sa
09	T1511037	Onldor Magor	(July
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11	T15 11007	Aryon Bijon	And
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16	T1511065	Aryan . R. Suter	auti
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19	T1511062	Rushikesh N. Shinde	Ande
20	T1511060	Rohen. R. Shelar	John
21	T1511042	Abhøjeet S. More	Also
22	T1511024	Vishwaraj Jadhau	769-





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

Expert Session Attendance Sheet

Department: Robotics & Automation Engineering

SEM: II Class: TE Topic: Stastup challenges.

Academic Year: 2023-2024

Date: 16.01.2024

Time:

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Record No.: ZCOER-ACAD/R

Topic: Startup challenges

Revision: 00

Date:01/04/2021

Expert Session Attendance Sheet

Department: Robotics & Automation Engineering Class: BE

SEM: II

Academic Year: 2023-2024

Date: 16.01.2024

Time: 12:45 pm +02:00pm

S.N.	Roll No.	Name of Students	Sign
01	B1511057	Nikunj C. Shah	18hat
02	B1571076	Salin . Yaclar	89
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04	B1511018	om gade	Que
05	B1511033	Abhishek Malwadkar	Story.
06	13151002	Saksni Bagade	Selsle
-07	B1511041	Bhavira Paril	Fall.
08	B1511022	Abhishek Jagtap	400
09	B1511024	Siddhesh Pravim Jagdap	BX.
10	B1511064	SRUSIMI SADANIANO THORAY	Sevent.
11	B1511051	Pratikshar Dinesh Rout	R.D. Rout
12	B1511034	Aditi Mate	Amati.
13	B1511030	Chaitanya Kwte	Marly
14	B1511059	Zaip Shaikh	M.Zain
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Record No.: ZCOER-ACAD/R/21

Revision: 00

Date:01/04/2021

Permission for Expert Session

Department: Robotics & Automation

Semester: II

Academic Year: 2023-2024

Div: A

Date: 11.01.2024

To,
The Principal
ZCOER, Pune

Class: TE & BE

Subject: Permission for scheduling an Industry Expert Session

Respected Sir,

For enhancing the understanding of students about "Introduction to mobile Robot-Navigation and Path planning using MATLAB", it planned to schedule a 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.

Name of Expert:	Dr. Pranav Lad
Designation:	Senior Customer Success Engineer
Organization:	MathWorks, Pune
Experience:	08 Yrs
Date:	19.01.2024
Time and Duration:	12: 30 pm to 3:30 pm

Remuneration Details:

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

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

Robotics & Automation

Engineering

the remuneration of Nil/-

Prof. S. S. Dhumal Course Faculty

Remark by Principal:

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Prof. Y. R. Ingole Head of Department



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DEPARTMENT OF ROBOTICS AND AUTOMATION ZEAL COLLEGE OF ENGINEERING & RESEARCH

On the occasion of 'NATIONAL STARTUP DAY Organizes Expert Session on

Nargeted Student: TE & BE

Robotics & Automation Engineering

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



Tuesday, 16th January 2024 (2) 12:30 pm to 01:30 pm





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 19th January, 2024 from 12:30 pm to 3:30pm.

Attendance is compulsory to all.

Dept of Robotics & Automation Engineering

Prof. Y. R. Ingole Head of the 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 One Page Report

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.

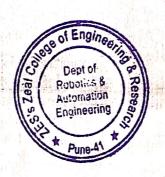
Respected Sir,

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
1471	The Session was planned for students to have Hands-on session for Mobile	an asserting and the same transfer
	Robot – Navigation & Path Planning.	PO1, PO2,
	Dr. Pranav Lad shared valuable information about Mobile Robot - Navigation	PO3, PO4, PO5,
1	& Path Planning and demonstrated the same with many applications. The session covered	PO7, PO9,
	1. ROS tool box for navigation,	PO10, PO11,
	2. Dynamic maps using Differential drive for motion control using	PO12, PSO1,
	Kinematic modeling 3. DC motor using PID controller	PSO2, PSO3

Thanking You,



Vours Sine

Yours Sincerely, Prof. Sayali S. Dhumal



ZEAL EDUCATION SOCIETY'S ZEAL COLLEGE OF ENGINEERING AND RESEARCH

Revision: 00

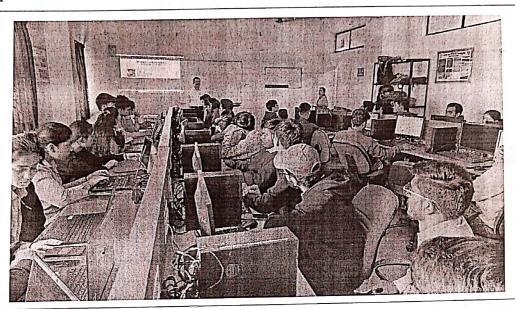


NARHE | PUNE -41 | INDIA

Date:01/04/2021

Photographs/Screen shots:

Record No.: ZCOER-ACAD/R





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



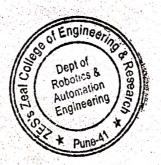


EXPERT LECTURE CONDUCTION CERTIFICATE

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 19th 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 Robitics & Automation En
ZES's Zeai College of
Engineering & Research
Narhe, Pune-411041

P. 2. 10 2 h





Letter of Thanks

Date: 19/01/2024

To,

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

Subject: Letter of Thanks.

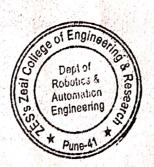
The Zeal Education Society's ZCOER would like to thank you for enlighten us on one of the emerging topic. Your talk on about about "Introduction to mobile Robot-Navigation and Path planning using MATLAB", was one of the new technologies studied by our students. It was an honor for Zeal College of Engineering 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.2 Lord 19.01,2024



Prof. Y. R. Ingole

Head of Department

Head of Department





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.	Attribute		Marks	
No.	Attribute	No. of responses	Obtained	%
1	How would you rate the content of the session?		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?	31	130	84
4	How would you rate the management of the session?	1	128	83
, , , , , , , , , , , , , , , , , , ,	Do you think the content of the session added to your knowledge?		148	95

reedback Coordinator



H.O.D.





Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Expert Session Attendance Sheet

Department: Robotics & Automation Engineering SE Topic: Mobile Robot Navigation & motion Porth Planning

SEM: II

Academic Year: 2023-2024
Date: 19.01.2024
Time: 12:30 to UZ:30pm

S.N.	Class	Roll No.	Name of Students	Sign
01	BE	B1511033	Abhishek. Y. Molwodkur	Depri-
02	B.E	B1511080	Kwe chaitanya vitthal	helf
03	TB	T1511054	Gajendrasinh J. Salunkhe	Gy=:
04	TE	7511027	Abhishele D. Josi	Abholi
05	BE	B151051	tratilezhe D. Rout	P.D. Rout
06	BE	B1511003	Snushti C. Bagawe	Sogane
(07)	BENN	B1511064	SRUSHTI S. THORAT.	1RUSTI
08	B.E.	B1511041	Bhavika T. Patil.	Faty.
09	B·E.	B1511062	Anisha Shinde.	Anisha
10	TE	T1511019	Prannoy Gaikwad	Sa
d 1	T-E	T1511011	Levin Vincert	Levis
125	TE	T 511007	Argain Birg	Anyan
- 131	T.E .	71511045	Apilet of Niham	anhet.
14	下巨 小	7511008	Bodake Sayrath Dnyaneshwar	Trafala
15	下巴"	TIS11060	Rohan. R. Shela?	Solum
16	T.E	T1511030	Athanas Kale	Alu
17	T.E.	775/1036	Esa Loni	Glon
18	T. E.	TIS 11037	Orakre Magar	onto
19	T.E	77511035		med
20	B.E	B1511022	Abhishek Jagtop	如
21	B, E	81511019	Suraj Gaikwood	markund
22	TE	T1511033	Aditya Karkan	Aduja





Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Expert Session Attendance Sheet

Department: Robotics & Automation Engineering Topic:

SEM: II

Academic Year: 2023-2024 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	dia.
24	TE	TIS11048	Panchal Sandhya -	04
25.	πe	TIS11022	Samiya Inamdas	Branda
26	TE	71511020	Vaibhani Ghadage	Chadge
27	TE	T1511021	TeJas Gholap	OROLAR.
28	TE	T1511034	Avantika Koli	A
29	TE	T1511040	Adilyalrant Mehra	do:
/30	TE	T1511089	Ruturg Mandavlear	Promobile
,31	TE	T1511029	Jon Manav Azay	Mf
32	TE	T1511038	Yaoh Mahamuni	
33	TE	T1511046	Sanika, Sunil, Paigude	fikes
34	BE.	B1511034	Aditi P. Mate	of make
35	BE	B1511059	Moh. Zein shaikh	M. Rein
36	TE	TI-511035	Amey Lokhande	Smy
37	TE	T1511066	Totathi Asawari	Ascuri
(38.1	76	T151184	Sustant More	500
39	B.E	BISHOST	Nikunj Shah	2Shat
40	B.E	B1571070		sy-
41	TE	11511049	Ombeer Marcol	Onless
42	A Mile	i kaja jen		
43		1.	total count	35
44	7 44 4			





Record No.: ZCOER-ACAD/R/21 Revision: 00

sion: 00 Date:01/04/2021

Permission for Industry Expert Session

Department: Robotics & Automation

Semester: II

Academic Year: 2023-2024

Class: BE

Div: A

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.

Name of Expert:	Mrs. Bhagyashri Vathare			
Designation:	Senior Consultant			
Organization:	NITI Aayog, Government Training	Center	·, Pune.	
Experience:	15 Yrs			
Date:	1/02/2024			
Time and Duration:	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

Dept of

Robotics &

Automation

Engineering

the remuneration of Rs. - Nil

Prof. M.C. Chavan Course Faculty

Remark by Principal:

Ackare 31/01/2024 Prof. Y. R. Ingole
Head of Department
Head of Department
pt. of Robitics & Automation Engg

ot. of Robitics & Automation Englo ZES's Zeal College of Engineering & Research Narhe, Pune-411041





Record No.: ZCOER-ACAD/R/39

Revision: 00

Date:01/04/2021

Notice

Department: Robotics & Automation

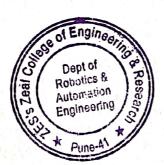
Sem: II

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 1stFeb, 2024 from 9:00 am to 1:00pm.

Attendance is compulsory to all.



Prof. Y. R. Ingole Head of the Department



ZEAL EDUCATION SOCIETY'S ZEAL COLLEGE OF ENGINEERING AND RESEARCH

NARHE | PUNE -41 | INDIA

(25)

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.

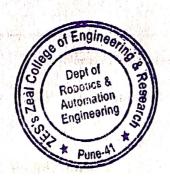
Respected Sir,

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
	The Session was planned for BE students to have information and brief	
	knowledge on Different topics	PO1, PO2, PO3,
	 SWOT Analysis, Market Analysis Need of self-employment 	PO4, PO5, PO7,
1	3. Entrepreneurship: What, How, Why?	PO9, PO10, PO11,
	4. Risk Taking Behavior	PO12, PSO1, PSO2,
	5. Govt. Scheme to promote Entrepreneurship	PSO3
	Mrs. Bhagyashri Vathare shared valuable information about different topic which are important while becoming an Entrepreneur.	

Thanking You,



Yours Sincerely,
Prof. Devendra N. Chaudhari



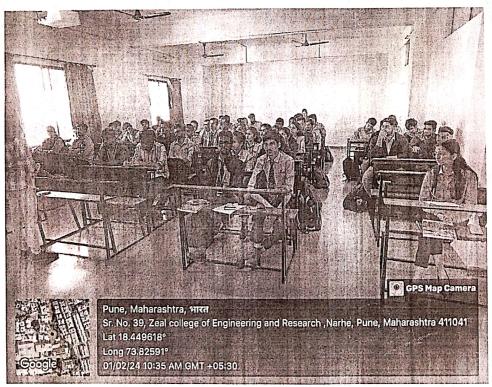


Record No.: ZCOER-ACAD/R

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.





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 1st Feb 2024 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe, Pune-41, India.

> Dept of Robotics &

Automation Engineering

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

Received

Bhagyoshin Vothare

Bevethare

1 |02| 2024





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.

> Dept of Robotics & Automation

Engineering

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

Prof. Y. R. Ingole

Head of Department

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

Narhe, Pune-411041

Received Bovathare





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 Date: 0 | , 52 , 262 4

Class: BE A

Time: 10:15 to 02:15 pm

One Day Workshop on "Entrepreneurship Awareness"

Learning Objectives : Students are able to

02

S.N.	Class	Roll No.	Name of Students	Sign
01	BE	B1511060	Prema Togesh Sharma	Northern "
02	BE	B1511057	Nikung . C. Shah	Krar.
03	136	B1511024	Siddhesh from Jagrap	M
04	BE	BISILOOS	Habush Bhade	XX.
05	BE	B1511001	Vinit Andure	-hust
06	BE	B1511018	om Gade	(Mehr
07	BE	B1511035	Abhisher inglwadkar	=X41190-
08	BE	B1511002	Sakshi Bagade	Sarell
09	RE	B1511070	Sahil Yadav	SH
10	LE	T1511071	Hakchaire Mukunda	Walt
11	TE	71511018	Gaikwad Saurahh	808
12	86	31511031	Tahamano Tesar	The state of the s
13	BE	BI511067	Vasve Kaushal 8.	A Contract
14	BE	B1511016	Devest Marije Dhotol	The state of the s
15	TE	T1511049	OMHAR GRESH PARAB	1) mkor
16	TE	T1511057	Amon Ulfan Shoulch	Jan B
17	36	B1511046	Rushikesh N. Pudale	Pushixes
18	BE	81511032	Vinay Ganesh Mahandre	Thougan
19	BE	B1511014	Devokar shridata madhukar	OIP
20	BE	B1571053	Jushar Sable	Mark!
21	BE	B1511048	Yash Rangate	myshin.
22	BE	B1511027	Shriniyas kale	Mary:
23	134	BUILDST	Prograd More	Jan
24	Be	B1511042	Yash P. Pati	(APA)
25	Be	B1511039	Prajwal D. Niture	D-
26	TE	TIENO46	Yash Matamuri	By-
27	TE	T1511033	Adilya Katkar	Aduja
28	TF	T1511004	Pranali Bhanbhane	Brudi 5B
29	76	715/1012	Om Kor Chavan	Maran
30	-TC	71511063	Rahul more	Dem
31	TE	TIS11045	MILLAM ANIKET EAHTOSH	Anile
32	BE	B1511007	Rutvik Mahandea Buste	10
33	BE	B15 11026	The state of the s	Wind
34	Q.F	81511017	Dhumal Rohan Vinayak	Thuma
35	BF.	The same of the sa		Poly
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Record No.: ZCOER-ACAD/R Revision: 00 Date:01/04/2021

Awareness Program Attendance Sheet

Department: Robotics & Automation Engineering Time: 10:15 to 02:15 pm

SEM: II

Academic Year: 2023-2024

Date: 01. 02.2024

One l	Day Workshop	on "Entrepreneurship Aw	areness"		
Learn	ning Objectives	: Students are able to	Maria Maria		
01			1	• 10	
02		Jan 19 Co		V. V	

S.N.	Class	Roll No.	Name of Students	Sign
36	BE.	B1511.050	Rasal vaibhar sanjay	Sympl
37	BE.	B1511054	Solunkhe Vikee Ashok	Solution e
38	BE	B1511044	Pore Ajit Pandurang	A II-
39	BE	B1511097	Rendive yyankteen moherh	Weei
40	BE	B1511022	Jostop Honisnenk 5	-700
41	BF	B1511019	Strai Gaikward	call ve
42	BE	B1511040	Sourabh Pardeshi	fasdeshi
43	BE	B1571041	Bhavika T. Patil.	TENTU.
44	BE	31511062	Anisha M. Shinde.	Loung
45	BE	BI511034	-Aditi . P. Made	Aviate.
46	BE	B1571037	Khushi B. Maik	(KR.C)
47	BF	B1511064	SRUSHTI S. THORAY.	Paint
48	BE	RI 511003	Snushti C. Bagaise	al change
49	BE	31511059	Muhammed zajo showith	MAC
50	BE	81511030	Kute chaitanya vitthal	M. Zain
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Record No.: ZCOER-ACAD/R/21

Revision: 00

Date: 01/04/2021

Permission for Expert Session

Department: Robotics & Automation

Semester: II

Academic Year: 2023-2024

Div: A

Date: 06.02.2024

To,
The Principal
ZCOER, Pune

Class: BE & SE

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:		
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:

g approved

Dept of Rosses Resses R

Prof. Y. R. Ingole





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 6th Feb, 2024 from 10:15 am to 12:15pm.

Attendance is compulsory to all.

Dept of Robours & Automation Engineering

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



ZEAL EDUCATION SOCIETY'S ZEAL COLLEGE OF ENGINEERING AND RESEARCH





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.

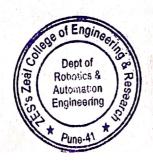
Respected Sir,

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. Contents Covered	POs Mapping to the Contents
The Session was planned for BE students so that they able to build Resume and Develop the Soft skills like 1. Communication skill 2. Team Work 3. Group discussion ,Interview Preparation 4. Mail Communication Skill Mrs.Ankita Dudhani shared valuable information about different topic Through Fun Activity which are important for any Student while Working with	PO1, PO2, PO3, PO4, PO5, PO7, PO9, PO10, PO11, PO12, PSO1, PSO2, PSO3

Thanking You,



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

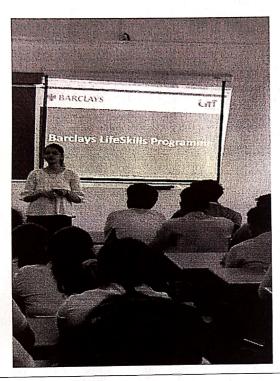


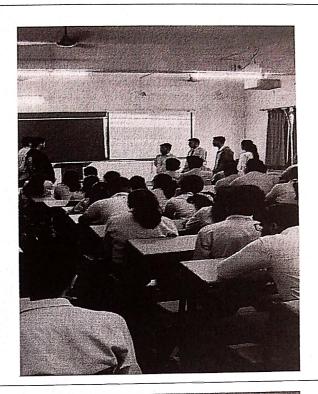


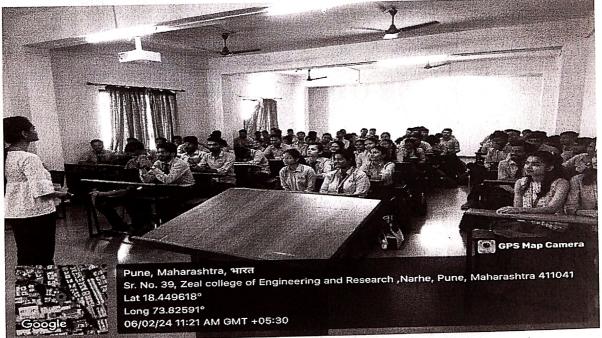
Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021







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



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



EXPERT SESSION CONDUCTION CERTIFICATE

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 06th February 2024 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe, Pune -41, India.

> Automation Engineering

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

Received Ankida Irolhani 06/02/24 Kosta



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



Letter of Thanks

Date: 06/02/2024

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.

Received Ankita Dudhani 06/02/2024

Enginee Robins 8 Automision

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





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

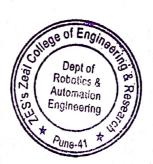
Semester: II

Date: 06.02.2024

Name of Expert/ Guest: Mrs. Ankita Dudhani

Sr.	Attribute	No of	Marks	
No.		No. of responses	Obtained	%
1	How would you rate the content of the session?	7497 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	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?	51	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

dback Coordinator



H.O.D.

Head of Department

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





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

Div: A

Date: 24.02.2024

To, **The Principal**ZCOER, Pune

Class: SE &BE

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:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
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/ Ha	1.	Total	
Nil	Nil		Nil	
		Yes.		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

Approved

Approved

Automation

Engineering

Fune-A1

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

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





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 26th 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 Robitics & Automation Engg
ZES's Zeal College of
Engineering & Research
Narhe, Pune-411041





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.

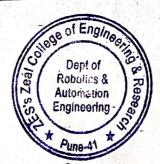
Respected Sir,

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.	Contents Covered	POs Mapping to the Contents
1	The Session was planned for SE &BE students to have information and brief knowledge on Different topics 1. Development of idea 2. Decision making 3. Finances available 4. Find and Understanding market, set Goal Mr. Nilesh Sabe shared valuable information about different topic which are important while becoming an Entrepreneur.	PO1, PO2, PO3, PO4, PO5, PO7, PO9, PO10, PO11, PO12, PSO1, PSO2, PSO3

Thanking You.



Yours Sincerely,
Prof. Devendra N. Chaudhari



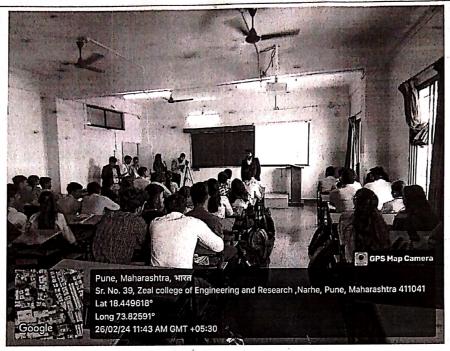


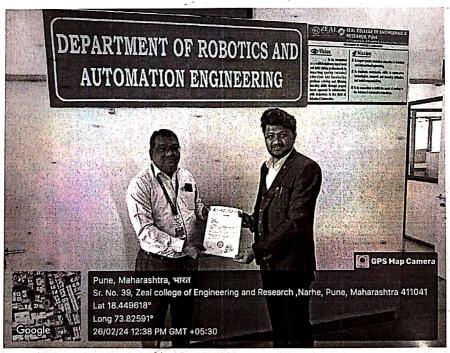
NARHE | PUNE -41 | INDIA

Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021





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





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 26th 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 Robitics & Automation Engg
ZES's Zeal College of
Engineering & Research
Narhe, Pune-411041

26/02/2024





Letter of Thanks

Date: 26.02.2024

To,

Mr. Nilesh Sabe,

CEO & Founder,

SwiftNlift Company, Pune.

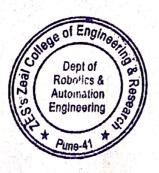
Subject: Letter of Thanks.

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

26/02/2024





Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Expert Session Attendance Sheet

Department: Robotics & Automation Engineering Date: 26. 02 . 2024

SEM: II

Academic Year: 2023-2024

Time: 11:15 to 12:15 pm

Expert	Session on "Entrepreneurship Development"	A A	,	
Learni	ng Objectives : Students are able to	100		1
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S.N.	Class	Roll No.	Name of Students	Sign
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03	R-E	BISHOLA	Dhumal Rohan Vinayak Bagade Sakshi Laxman	tahuma
04	B.E	B1511002	Bagade Sakshi Laxman	48 akshi
05	B.E	81511033	Malwadkor Yabhishek Yashwant	Abhi
06	B.E	B1511039	Prajual Devidas Nikure	Bri.
07	B.E	B1511070	Yadar Salul Popat	24
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Record No.: ZCOER-ACAD/R

Revision: 00

SEM: II

Date:01/04/2021

Expert Session Attendance Sheet

Department: Robotics & Automation Engineering

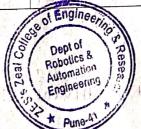
Date: 26. 02 . 2024

Academic Year: 2023-2024

Time: 11:15 to 12:15 pm

	The state of the s
Expert S	sion on "Entrepreneurship Development"
Learning	Objectives: Students are able to
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S.N.	Class	Roll No.	Name of Students	Sign
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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

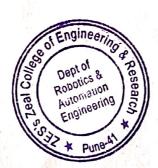
Date: 26.02.2024

Semester: II

Name of Expert/ Guest: Mr. Nilesh Sabe

<u></u>	Attribute		Marks		
Sr. No.		No. of responses	Obtained	%	
1	How would you rate the content of the session?		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?	22	88	80	
4	How would you rate the management of the session?	V. V.	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 Robitics & Automation Engg
ZES's Zeai College of
Engineering & Research
Narhe, Pune-411041





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 & BE

Div: A

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.

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

Remuneration Details:

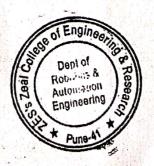
Number of Hrs. of session	Remuneration/ Hr.	Total
Nil	Nil	Nil
		Nil

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 Course Faculty

Remark by Principal:

Allowed & Allowed approved Allowed All



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





Record No.: ZCOER-ACAD/R/39

Revision: 00

Date:01/04/2021

Notice

Department: Robotics & Automation

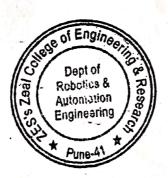
Sem: II

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 27th 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 Robitics & Automation Er
ZES's Zeal College of
Engineering & Research
Narhe, Pune-411041





NARHE | PUNE -41 | INDIA

Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Expert Session One Page Report

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.

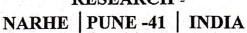
Respected Sir,

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 "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	The Session was planned for TE and BE students to have Hands-on session for topic "Digital Image Processing with MATLAB" and "Signal Processing with MATLAB". Mr. Ankit Kumar shared valuable information about different toolboxes. Contents covered for Digital Image Processing: • Get Started with Image Processing Toolbox • Images in MATLAB • Import, display, and manipulate colour and grayscale images. • Image Segmentation Create binary images by thresholding pixel intensity values. • Pre-processing and Post Processing Techniques	PO1, PO2, PO3, PO4, PO5, PO7, PO9, PO10, PO11, PO12, PSO1, PSO2, PSO3
	Image Processing Onramp (Practice)	







Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Contents covered:	for Signal	Processing:
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Creating and analysing signals

Performing spectral analysis

Designing and analysing filters

Signal Processing Onramp (Practice)

PO1, PO2, PO3, PO4, PO5, PO7, PO9, PO10, PO11, PO12, PSO1, PSO2,

PSO3

Thanking You,

2

Yours Sincerely, Prof. Sayali S. Dhumal





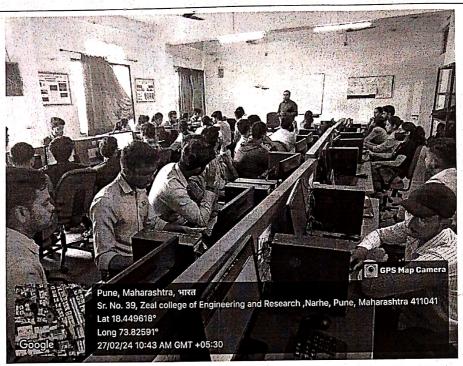


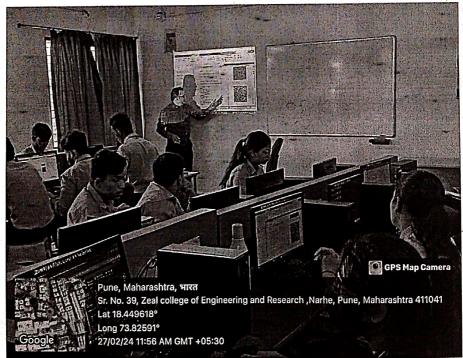
Record No.: ZCOER-ACAD/R

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





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 27th 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 Robitics & Automation En
ZES's Zeal College of
Engineering & Research
Narhe, Pune-411041

Arrived January,





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.

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Anustlann.



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

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





Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

Expert Session Attendance Sheet

Department: Robotics & Automation Engineering

SEM: II

Date: 27. 02. 2024

Academic Year: 2023-2024
Time: 10:15 70 12: 30

Expert Session on "Image & Signal Processing with MATLAB"	
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Learning Objectives: Students are able to 101 And yze and trocess the in	ace in MATLAR
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02 Anofyze and Pouters the st	Thous m water 13 44 L

S.N.	Class	Roll No.	Name of Students	Sign
01	BE	BIS1(024 -	SIDDHESH PRAVIN JACTAP	38.
02	BE	BI511034	Soliti Pandwaing Mate	double
03	-BE	B1511066	SRUSHTI SADANANO THORAY	SRVID
04	BE	BIS 11061	Layba Sheikh	Layler
05	BE	B1511054	Solunione Vikee	200
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11	₿€	BIS11060	Prema Sharma	A TO
12	TF	TIS11015	Sanket dabhade	Bathare
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14	TF	T1511071	Wakchaure Mukunder	Will I
15	TE	T1511009	Kunal Bondale	(du//
16	TE	T1311008	Saurabh Bodake	Saurabl
17	TE.	T1511019	Prannog Gailcwad	JUAGNY -
18	C.F.	T15110 637	Omray Magar	
19	-7.6	TICU070	- Shubham Vithmakonn	Shille
20	TE	T1511035	Amey Amount Lokhande	100 ×
21	TE	TI511060	Robar Ramchandra Shelar	John
22	TE	7771030	Athany Shiveyi kale	400
23	TF	1511024	Vishwaraj Raindra Jadhar	X
24	T.E.	T1511011	Levin Vincent	Levid
25	TE	T 1511 007	Aruan Blion	di
26	7-8	TIS1105!	AKSHAY RAUTO	your-
27	TE.	T1511066	ASMARI TALATHI	Stolathi Kas
28	TE	TIS11046	Sanika. Paigude	Jane
29	TE	T1511042	Abhiseet More	A 110-
. 30	TE	T1511092	Din 20 Kattore	Teld
31	197	T1511028	Mandy Food	May
32	TE	71511033	Aditya Katkar	Aduja
33	TE	TISHOHE	Parchal Sandhy grant	Sur
34	TE	T154065	Aryan . R. Sutar	and the second
185		TICHOR	Guolewan Scherce	south
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Semester: II

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

Date: 27.02.2024

Name of Expert/ Guest: Mr. Ankit Kumar

Sr.			Marks		
No.	Attribute	No. of responses	Obtained	%	
1	How would you rate the content of the session?		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?	22	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	

Adback Coordinator



H.O.D.

Head of Department

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





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 & BE

Div: A

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.

Mr. Avinash Chauhan			ž.		i y Na ja
Data Science Trainer				<u> </u>	
Two Dimension, Pune.					
07 Yrs					
29.02.2024			· .		
10:30 am to 12:30pm			7		
	Data Science Trainer Two Dimension, Pune. 07 Yrs	Data Science Trainer Two Dimension, Pune. 07 Yrs 29.02.2024	Data Science Trainer Two Dimension, Pune. 07 Yrs 29.02.2024	Data Science Trainer Two Dimension, Pune. 07 Yrs 29.02.2024	Data Science Trainer Two Dimension, Pune. 07 Yrs 29.02.2024

Remuneration Details:

Number of Hrs. of session	Rem	uneration/	Hr.		Total	
Nil		Nil		W 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Nil	
		17.0	- 1/1	N 1.7 1		N

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

Dept of

Robotics & Automation

Engineering

the remuneration of Rs-Nil

Prof. Kotakar A.S.

Course Faculty

Remark by Principal:

Prof. Y. R. Ingole

Head of Department

Head of Department
Dept. of Robitics & Automation Engg

ZES's Zeal College of Engineering & Research Narhe, Pune-411041





Record No.: ZCOER-ACAD/R/39

Revision: 00

Date:01/04/2021

Notice

Department: Robotics & Automation

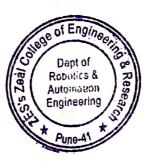
Sem: Il

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 29th 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 Robitics & Automation Engg
ZES's Zeal College of
Engineering & Research
Narhe, Pune-411041





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,

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:

To	opics discussed during lecture:	POs Mapping to the
Sr.	Contents Covered	Contents
No	The Session was planned for SE, TE & BE students to have Expert	
-	Lecture for Unlocking Career Potentials in Robotics with Artificial	PO1, PO2, PO3,
	Intelligence (AI)& Machine Learning (ML) Technologies Mr. Avinash	PO4, PO5, PO7,
	Chauhan shared valuable information about Applications of intelligent	PO9, PO10, 1011,
1	systems for mobile Robot Motion Planning, Path Planning Robot Control	PO12, PSO1, PSO2
	in Dynamic Environments, Accurate Motion Control of Fast Mobile	PSO3
	Robots, Obstacle avoidance.	
	- (2) (4) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	

Thanking You,



Yours Sincerely, Prof. Kotakar A.S.



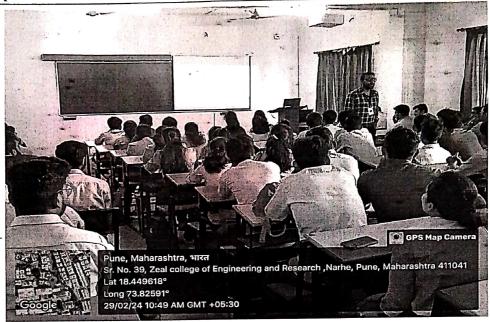


Record No.: ZCOER-ACAD/R

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



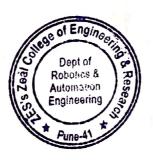


EXPERT LECTURE CONDUCTION CERTIFICATE

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 29th 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 Robitics & Automation Engg
ZES's Zeal College of
Engineering & Research
Narhe, Pune-411041

Bhirarhi





Letter of Thanks

Date: 29.02.2024

To.

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

Subject: Letter of Thanks.

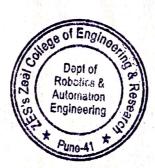
The Zeal Education Society's ZCOER would like to thank you for enlighten us on one of the emerging topic. Your talk on about "Unlocking Career Potentials in Robotics with Artificial Intelligence (AI) & Machine Learning (ML) Technologies" was one of the new technologies studied by our students. It was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

Hurah



Prof. Y. R. Ingole Head of Department

Head of Department

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





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 +012:30 pm

Expert S	Session on "Unlocking Career Potentials in Robotics with Artificial Intelligence(AI)&
Machine	e Learning(ML)"
	g Objectives : Students are able to
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02	B.E	B1571070		Sperjour
03	B.E.	B1511003	Brushti C. Bagawe	& D. Raul
04	BG:	81511051	Ratiksha D. Facet	Jaluly
05	BE	BILLIOTS	Phanika T. Patil	TESTIL.
06	B.F.	B1511041	Drawing 1 300	Incarko
07	B.E.	B1511014	On Machine The Contract of the	D
08	B.E	B1511060	homa I sharma	7
09	B.E	B1511019	Suraj. D. Gaikwad	Thuma
10	B.F	B1511017	Rohan V. Dhumay	(10)
11	13. E	B151037	Khushi B. Naik.	20
12	BF	B/571039,	Projual D. Nikure.	7
13	B.C.	B1511042	Yash. P. Patil	120
14	RE	BITHOG 6	Tukaral Aphish Suryakan	4
15	QE.	81511046	Pudale Rushikesh Normder	Allshires
16	RE	B1511030	Vinay Ganesh Mahandre	Norms 18)
17	BE	B 1511047	Randive Vyankteph makest	2 Mercic
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ent on Engg ZES's Zeal College of Engineering & Research Narhe, Pune-411041







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	TIS/1030	Athana Shivaji Kall	Au
02	TE	T1511037	stoppe M stopmo	mich
03	TE	TIS11019	Prannoy adikwood	Spe
04	TE	T1711070	Shubban Whugkuma	Janhan '
05	TE	T1511050	Varad Patil	Hirad.
06	TE	1181036	Esa Loni	Thoi
07	TE	17511027	Abhishek Jon	Yan
08	TE	PISH017	Sakshi Cadewas	Galahi
09	TE	T1511046	Sanika. Paigude	faiker
10	TF	TIS110.55	Latit, Sarode	Cality
11	TE	T1511054	Gajendrasibh T. Salmiche	92.4.
12	TE	T1511066	Asawari. B. Talathi	A alathi.
13	TE	T1511062	Rushikesh N. Shinde	() Truck
14	TE	T1511052	Bhaush Maraj Rent	(1) (1) (1)
15	TE	T1511021	Cholap Tejas B	1000001
16	TE	11511034	Row Avantika	SKMI .
17	TE	7511061	Shelke Valbavi	<u>Paibhavi</u>
18	TF	T1511020	vaibhaví Ghadge	Chuelge
19	TE	TIS11022	Samiya Thamdar	Bramdan
20	TE	T1511042	Abhajeet More	The same
21	TE	T1511060	Ruham Shelar	
22	TE	T1511016	Kartik Dolodkar	Medi
23	TE	T1511063	Shieke Mohesh.	Oiluga
24	TE	T1511003	Bhazat Ujjual	A steel
25	T.E	T[511065	Aryan R. Bulan	A water
26	TE	T1511007	Aryan Bijoy	V.11.02
27	T.E.	TIS1100 5	Yash Bhaskay	Link
28	TE	71511071	Hakchaure Mukienda	tolle
29	TE	T1511032	Druga Kathare	Ania
30	T.E	TI5 110 11	Levin Vincent	Gnibet
31 -	T.E	71511043	MILAM ANTHET SAHIONY	
32	T.E	71511051	PAUT AKSHAYS.	6
33			of Engineering	117
34			101 101	The same and
35			Paur Akshays Dept of Robotics &	ad of Department
			Automation Auto. of	Robitics & Automation Eng
			Engline Z	S's Zear College of
			English English	Pure-411041

Name. Pune-411041





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

S.N.	Class	Roll No.	Name of Students	Sign
01	SE	51511036	Vidula Bardescii	Scorles
02	SE	61511015	Prachi Dharawane	Dear
03	SE	51511037	Neha Jaglap	Aleho
04	SIE	51511024	riya mook	8
05	S.E	S151101G	Kalyani Khapake	(K.K)
06	SE	5151108	sandika shele	1
07	21.2	\$1511014	sahil Nikam	S.P. Wille
08	SIE	51511003	Swappil Mahadik	Sweepail.M
09	SE	51511017	Nikhil Bhorkade	Non
10	J.E	SIT11060.	Tanney Patil	THAT
11	5E	31511018	Privanka Dandwate	Cryyal
12	9E	51511013	Purva Thopate	Phypate
13	SE	51511012	Bhakti Nande	Blattier
14	SE	S1511001	Shubhan Shinde	July
15	SE	SU11033	Atharn Monokolkol	200
16	SE	5151039	Bratk Gawade	Poulike
17	S'E.	51511062	omkar shinde.	Shark
18	S.F.	51571005	Prajued Alekar	Prescuse
19	S.E.	51511058	Jayesh saluntohe.	former 1
20	B'E	51511044	Bajwal Mimballear	Prefuge
21	5.E.	8151104B	Vedant Hiwarde.	Vaddal
22	5'E.	51511043	redart kumbhar	Mounts
23	S'E.	S1511066	stripeatik N. Dhawan	e 💝
24	S. E	31311004	Shivam Ghadge	(4)
25	S.E	81511031	chaitenya Banke	Oludy
26	S.F.	S1511076	Shaynak Rasal	SRy
27	S.P	51511042	Payal. Chavan	47=
28	SIP	S15/1677	Prathamesh. Dandi	Randi
29	SE	51511009	Devanshu Nagmodi	
30	SE	51811002		NOP 6
31	SE	51511071	Shivani takale	Otokosk
32	3 3 20 5		CAS TO THE STATE OF THE STATE O	
33		A PAGE 1	of Engineering	*
34				a, 11
35			S Dupt of Dupt of Automation Automation	181



Date: 29.02.2024

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



	17.77	Revision: 00	Date:01/04/2021
Record N	o · ZCOER-ACAD/R	ICCVISION: 00	

Expert Session Attendance Sheet

Department: Robotics & Automation Engineering

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.	16 V	Name of Students		Sign
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Head of the Department

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





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.		rou rate the knowledge of the guest for the rou rate the content delivery method of the	Marks	
No.	Attribute		Obtained	%
1	How would you rate the content of the session?		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?	42	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

Imback Coordinator



H.O.D.

Head of Department

Dept. of Robitics & Automation Engg

ZES's Zeal College of

Engineering & Research

Narhe, Pune-411041



NARHE | PUNE -41 | INDIA



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 LATEX: A Beginner's Guide", at ZCOER, Narhe.

Respected Sir,

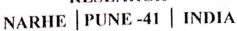
With reference to above mentioned subject, I would like to inform you that Dr. Gaurav Kumar, Assistant Professor, Robotics & Automation Engineering Department, ZCOER, Narhe, Pune has successfully conducted a hands-on session for the Fourth Year student on the topic "Getting Started with LATEX: A Beginner's 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 LATEX: A Beginner's Guide.

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 topic "Getting Started with L_AT_EX: A Beginner's Guide". Dr. Gaurav Kumar shared valuable information about different toolboxes. Contents covered for Digital Image Processing: Introduction to L_AT_EX. Comparison of L_AT_EX with other contemporary text editors and how it is better than other text editors for writing articles, reports, books and presentation file. The basic structure of a L_AT_EX file. Packages and related commands used in L_AT_EX. Creating table of content, list of figures and list of tables in a file with one command. Inserting images and tables. 	PO3, PO5, PO6, PO7, PO8, PO9, PO10, PO11 PO12, PSO3	











Record No.: ZCOER-ACAD/R

Revision: 00

Date:01/04/2021

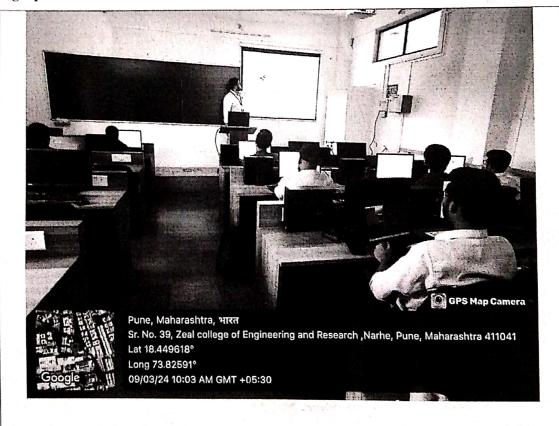
- Handling bibliography.
- Hands on with online Tex editor: Overleaf and creating a basic Tex file.

Thanking You,

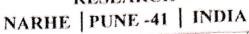


Prof. Sayali S. Dhumal

Photographs/Screen shots:









Record No.: ZCOER-ACAD/R

Revision: 00

Date: 01/04/2021



Expert speaker Dr. Gaurav Kumar conducted hands on session on "Getting Started with

L_AT_EX: A Beginner's Guide" for BE students dated 09.03.2024

Total Count of Students: 12





Record No.: ZCOER-ACAD/R/39

Revision: 00

Date: 01/04/2021

Notice

Department: Robotics & Automation

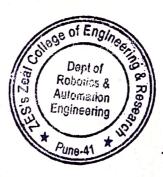
Sem: II

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 9th 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 Robitics & Automation Engg ZES's Zeal College of Engineering & Research Narhe, Pune-411041





Record No.: ZCOER-ACAD/R/21

Revision: 00

Date:01/04/2021

Permission for Expert Session

Department: Robotics & Automation

Semester: II

Academic Year: 2023-2024

Div: A

Date: 14.03.2024

To, The Principal ZCOER, Pune

Class: BE

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.

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

Remuneration Details:

Numb	oer of Hrs. of s	ession	Remuneration/Hr.	*	Total
	3 Hours	1 1	1000 /-	1, A.	3000 /-
	William .	7.40			Rs. 3000 /-

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

Dept of Ross ans &

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remuneration of Rs. 3000 /- only.

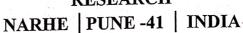
Prof. Sayali Dhumal **Course Faculty**

Remark by Principal:

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

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







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.

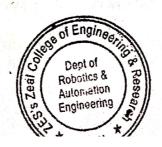
Respected Sir,

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
	The Session was planned for students to have Hands-on session for PLC & SCADA. Mr. Ganesh Wanave shared valuable information about Industrial need of PLC & SCADA for automation and demonstrated the same with many	PO1, PO2, PO3, PO4, PO5
1	applications. The session covered: 1. Basics of PLC with I/O's, Power Supply, Registers. 2. Ladder Logic using Rx Logic & WPL Software 3. SCADA integration with Ladder logic	PO7, PO9, PO10, PO11, PO12, PSO1, PSO2, PSO3
	4. HMI interfacing with Ladder logic.	

Thanking You,



Yours Sincerely,
Prof. Sayali S. Dhumal







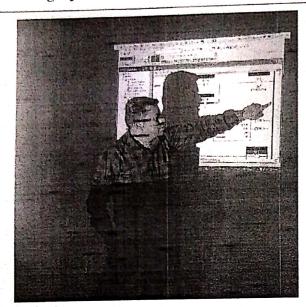
NARHE | PUNE -41 | INDIA

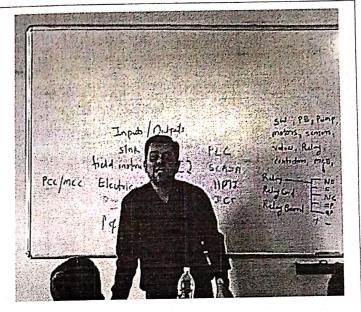
Record No.: ZCOER-ACAD/R

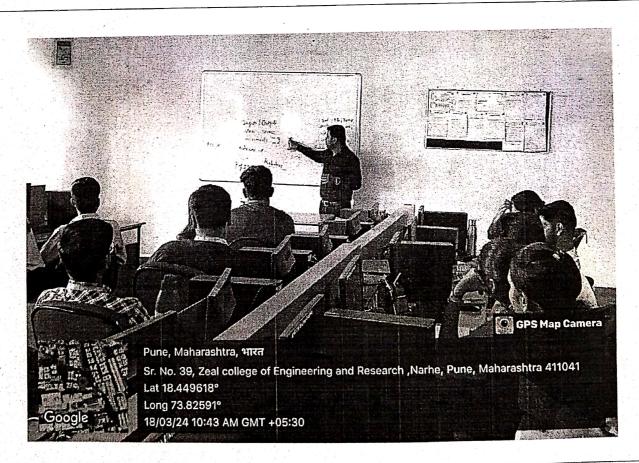
Revision: 00

Date:01/04/2021

Photographs/Screen shots:







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





Record No.: ZCOER-ACAD/R/39

Revision: 00

Date: 01/04/2021

Notice

Department: Robotics & Automation

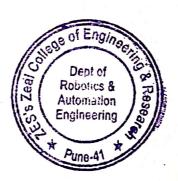
Sem: II

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, 18th 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 Robitics & Automation Engg, ZES's Zeal College of Engineering & Research Narhe, Pune-411041





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	s Automation using PLC ar	id SCADA
Learni	ng Objectives : Students are abl	e to	
01	Landers logic Using	RX logic & WPL	Software.
02	HMI Interfacing	E Laddez logic &	SCADA Integreenon

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07	BE	BIS11026	Ninad . M. Kalambe.	Villago
08	BE	BIS 11 023	Pratham Gi. Jagtap	A Stage
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13	T.E.	T1511011	Chalarakal Levin Vincent	Levis
14	R.€	BIS11060	Roma Yogash Sharma	Repro-
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17	BE	B1511041	Patil-Bhavika Tarunkumas	Jan.
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Industry Expert/ Guest Faculty Session Feedback Analysis

Department: Robotics & Automation

Academic Year: 2023-2024

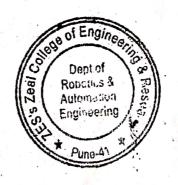
Semester: II

Date: 18.03.2024

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

Sr.	A control of the cont		Marks		
No.	Attribute	No. of responses	Obtained	%	
1	How would you rate the content of the session?		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?	21	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 Departmen

Dept. of Robitics & Automation ZES's Zeal College o Engineering & Researc Narhe, Pune-41104.1



Semester: II

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

Date: 18.03.2024

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

			Marks		
No.	Attribute	No. of responses	Obtained	%	
1	How would you rate the content of the session?		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?	21	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 Robitics & Automation Engages of ZES's Zeal College of Engineering & Research Narhe, Pune-411041





NARHE | PUNE -41 | INDIA

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.

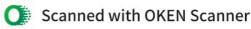
Topics discussed during lecture:

Sr.	Contents Covered			
1	The Session was planned for students to have Hands-on session for PLC & SCADA. Mr. Ganesh Wanave shared valuable information about Industrial need of PLC & SCADA for automation and demonstrated the same with many applications. The session covered: 1. Basics of PLC with I/O's, Power Supply, Registers. 2. Ladder Logic using Rx Logic & WPL Software 3. SCADA integration with Ladder logic 4. HMI interfacing with Ladder logic.	PO1, PO2, PO3, PO4, PO5, PO7, PO9, PO10, PO11, PO12, PSO1, PSO2, PSO3		

Thanking You,



Yours Sincerely, Prof. Sayali S. Dhumal







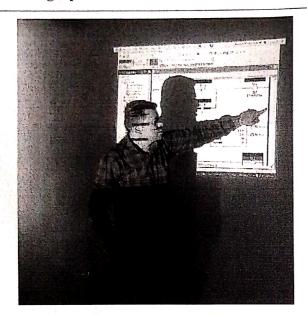
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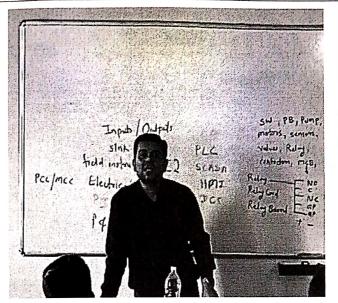
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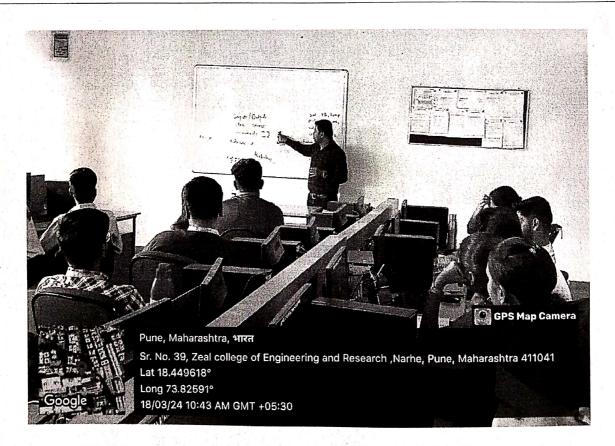
Revision: 00

Date: 01/04/2021

Photographs/Screen shots:







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





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

Hands on Session Attendance Sheet

Department: Robotics & Automation Engineering

SEM: II

Academic Year: 2023-2024

Date: 18.03.2024

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Time: 10.00 am - 01.00 pm

Hands	on Session on Industrial Process Automation using PLC and SCADA
Learni	ing Objectives: Students are able to
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02	HMI Interfacing & Ladder logic & SCADH Integrachion

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Date: 18.03.2024

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



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

Hands on Session Attendance Sheet

Department: Robotics & Automation Engineering

SEM: II

Academic Year: 2023-2024

Time: 10.00 am - 01.00 pm

Hands	on Session on Industria	al Process	Auton	nation (ising PLC and	I SCADA	<u> </u>
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Head of the Department

Head of Department

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





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 Wanne Ganesh 18/03/2024.

Dept of Robertes & Automation Engineering

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

Head of Department Dept. of Robitics & Automation Engo ZES's Zeal College of Engineering & Research Narhe! Pune-411041





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 18th March 2024 at Zeal Education Society's, Zeal College of Engineering and Research, Narhe, Pune -41, India.

Ganesh Wanve

8 03 2024.

Dept of Robertos & Automation Engineering

Prof. Y. R. Ingole Head of Department

Head of Department
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