



CHILDREN'S EDUCATION SOCIETY (REGD.)

## THE OXFORD COLLEGE OF ENGINEERING

(Recognized by the Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi &

Approved by A.I.C.T.E. New Delhi.

Recognised by UGC Under Section 2(f)

Bommanahalli, Hosur Road, Bangalore -560068.

☎ 080 -61754601/602, Fax: 080 - 25730551

E-mail: [engprincipal@theoxford.edu](mailto:engprincipal@theoxford.edu) Web: [www.theoxford.edu](http://www.theoxford.edu)

### Workshops/ FDP /Seminar conducted on IPR /Entrepreneurship / - Detailed Report

#### INDEX - (2022- 2023)

S. No	Title of the Workshop /Seminar	Dates	Total Number of Participants
1	Workshop on "Innovation in Crystalline Silicon Solar Cell" As a Career Opportunity	10.11.2022	76
2	Workshop on " InnovationOpportunities in Fuel Cell Technology"	09.11.2022	50
3	Workshop on Entrepreneurship skill, attitude and behaviordevelopment	25.02.2023	84
4	Design Thinking and Challenges of offshore Oil and Gas facilities	30.12.2022	23
5	Workshop on Innovation through FEA using ANSYS	20.02.2023 -22.02.2023	52
6	Workshop on "Prototype/Process Design and Development of Industrial Automation (PLC & SCADA)	18.05.2023	50
7	Workshop on" InnovationOpportunities With Embedded IoT	25.03.2023	45
8	Entrepreneurship opportunities on Robotics and Automation	29.03.23 TO 31.03.23	45
9	Workshop on Design ThinkingOpportunities in Robotics Simulation using Arduino Uno with Thinkercad	4.7.2023	44
10	Workshop on "Design Thinking Opportunities in Machine Drawing and GD&T using Fushion 360	30.06.23 & 01.07.23	18
11	TWO Weeks FDP on " Robotics and Automation"	15.05.22 to 27.05.22	34

PRINCIPAL  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangalore-560068



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E-mail: [engprincipal@theoxford.edu](mailto:engprincipal@theoxford.edu) Web: [www.theoxford.edu](http://www.theoxford.edu)

### Geotag Photographs of Workshops/ FDP /Seminar conducted on IPR / Entrepreneurship / Technology advancement

#### INDEX - (2022- 2023)

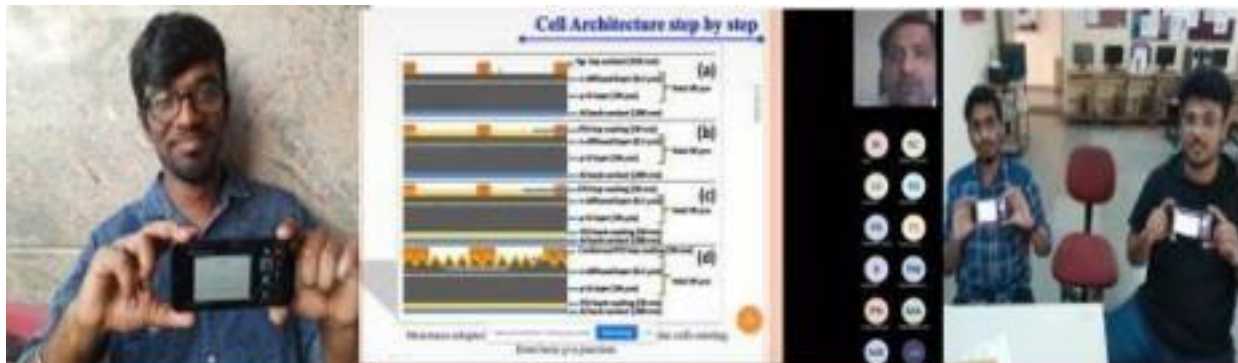
12	Workshop on “Innovation and design thinking for environment sustainability	16.02.23- 17.02.23	70
13	Workshop on “Intellectual property rights (IPR) & patents and design filing”	24.02.2023	94
14	Workshop on Researching around patent	25.11.2022	41
15	Seminar on “Entrepreneurship opportunities in coffee value chain”	22.07.22	3 0
16	Webinar on “entrepreneurship opportunities in hydroponics”	14.10.22	40
17	Workshop on “entrepreneurship and start up opportunities in prospecting medicinal and aromatic plants for human wellbeing and enterprises”.	27.04.23 & 28.04.23	48
18	Session on “ How to plan for start-up and legal and Ethical Steps”	30.03.23	66
19	Workshop on “intellectual property rights and IP management for start Ups”.	21.04.23	50
20	Workshop on "Innovation and Design Thinking Opportunities through IoT Application Development".	23.03.23, 24.03.23	70
21	Workshop on “Entrepreneurship and Start-up Opportunities through Cyber Forensics”.	25.03.23 - 27.03.23	90

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The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangalore - 560068

## Report

### Workshop on “Innovation in Crystalline Silicon Solar Cell” as Career Opportunity



**THE OXFORD COLLEGE OF ENGINEERING**  
BANGALURU, INDIA

Children's Education Society  
**THE OXFORD COLLEGE OF ENGINEERING**  
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Hosur Road, Bommanahalli, Bangalore - 560068

**INSTITUTION'S INNOVATION COUNCIL**  
THE OXFORD COLLEGE OF ENGINEERING

**DEPARTMENT OF MECHANICAL ENGINEERING**  
Organizing  
Webinar on “Innovation in Crystalline Silicon Solar Cell”  
In association with IIC  
On  
10<sup>th</sup> November 2022 at 10.30 AM

**Chief Patron**  
Sri S.N.V.I. Narasimha Raju  
President  
The Oxford Educational Institutions

**Patron**  
Dr. N Kannan  
Principal & President IIC  
The Oxford College of Engineering

**Dr. Ashutosh Kumar Dikshit**  
Professor  
Dept of E&C Engineering  
Vignan's Foundation for Science,  
Technology & Research

**Coinvener**  
Dr. Madhu sudana Reddy G  
Prof & HOD, Mechanical Engineering

**Faculty Coordinator**  
Mr. Anup M Upadhyaya  
Assistant Professor, IIC Member  
Department of Mechanical Engineering

#### Objectives of the Workshop

- Understand the importance and innovation things in the silicon solar cell
- To stimulate the silicon solar cell for higher efficiency
- To demonstrate silicon photovoltaic solar cell.

The oxford college of Engineering, Bengaluru- Institution Innovation Council in association with the Department of Mechanical Engineering organized an online workshop on “Innovation Crystalline Silicon Solar Cell” as Career Opportunity on 10-11-2022 at 10:30 AM. The guest speaker of the event was Dr. Ashutosh Kumar Dikshit, Faculty Lead, Career and Well Being, Department of Electronics and communication Engineering Vignan’s Foundation for Science, Technology and Research. An educator, a trainer, and a resource faculty, Dr. Ashutosh Kumar



Dikshit, is a highly motivated professional with experience in Learning and development, Process building with training small and large groups across diverse industries. He also explained present conditions of silicon solar cells as Crystalline silicon PV cells are the most common solar cells used in commercially available solar panels, representing more than 85% of world PV cell market sales in 2011. Crystalline silicon PV cells have laboratory energy conversion efficiencies over 25% for single-crystal cells and over 20% for multicrystalline cells. However, industrially produced solar modules currently achieve efficiencies ranging from 18%–22% under standard test conditions.

### Outcome of the Workshop

- To understand the basics of technology involved with silicon photo voltaic cell
- Set of parameters for increasing solar efficiency with silicon photovoltaic solar cell
- photonic silicon solar cell simulation criteria's

### Speaker Details:

Dr. Ashutosh Kumar Dikshit

Professor

Department of Electronics and communication Engineering

Vignan's Foundation for Science, Technology and Research.

### Session Link:

[https://oxfordadmin.my.sharepoint.com/personal/anupmu\\_theoxford\\_edu/\\_layouts/15/stream.aspx?id=%2Fpersonal%2Fanupmu%5Ftheoxford%5Fedu%2FDocuments%2FRecordings%2FWebinar%20on%20%E2%80%9CInnovation%20in%20Crystalline%20Silicon%20Solar%20Cell%5F%2D20221110%5F103156%2DMeeting%20Recording%2Emp4&ga=1](https://oxfordadmin.my.sharepoint.com/personal/anupmu_theoxford_edu/_layouts/15/stream.aspx?id=%2Fpersonal%2Fanupmu%5Ftheoxford%5Fedu%2FDocuments%2FRecordings%2FWebinar%20on%20%E2%80%9CInnovation%20in%20Crystalline%20Silicon%20Solar%20Cell%5F%2D20221110%5F103156%2DMeeting%20Recording%2Emp4&ga=1)

Number of Participants: 76

### Workshop attendance:

	Name	User Action	Timestamp
1	Anup M Upadhyaya	Joined	10/11/22, 11:37:41 am
2	BHARATH	Joined	10/11/22, 11:37:41 am
3	MOHAMMED ARSALAN	Joined	10/11/22, 11:37:41 am

4	Tharun Sai.g	Joined	10/11/22, 11:37:41 am
5	RAKEND B	Joined	10/11/22, 11:37:41 am
6	Srinivas Reddy	Joined	10/11/22, 10:41:18 am
7	Laljith.T	Joined	10/11/22, 10:47:19 am
8	kiran kumar k	Joined	10/11/22, 10:26:35 am

9	PRASHANT RANJAN	Joined	10/11/22, 11:03:34 am
10	Anjan B V	Joined	10/11/22, 10:50:44 am
11	Imran Ali	Joined	10/11/22, 10:29:25 am
12	prithvi	Joined	10/11/22, 11:13:07 am
13	vidyadharpujar	Joined	10/11/22, 10:50:10 am
14	RAHUL CHAVAN	Joined	10/11/22, 11:37:41 am
15	nikhil	Joined	10/11/22, 11:07:31 am
16	MOHAMMED HUSSAIN	Joined	10/11/22, 11:06:55 am
17	Krishna kumar D M	Joined	10/11/22, 10:29:12 am
18	Thammaiah	Joined	10/11/22, 11:01:41 am
19	Prasad H Nayak	Joined	10/11/22, 11:37:41 am
20	Prajwalkumar S Mutnale	Joined	10/11/22, 11:37:41 am
21	syed Iftiqar	Joined	10/11/22, 11:37:41 am
22	YATENDER TEOTIYA (Guest)	Joined	10/11/22, 10:52:28 am
23	Varun K R (Guest)	Joined	10/11/22, 10:30:57 am
24	Varun K R (Guest)	Joined	10/11/22, 10:31:16 am
25	Varun K R (Guest)	Joined	10/11/22, 10:31:42 am
26	Achutha	Joined	10/11/22, 11:37:41 am
27	N.REDDY	Joined	10/11/22, 10:55:00 am
28	vino Karthik R	Joined	10/11/22, 10:40:39 am
29	LOKESH G	Joined	10/11/22, 11:37:41 am
30	Ashutosh Kumar Dikshit	Joined	10/11/22, 11:37:41 am
31	Krishna U	Joined	10/11/22, 11:37:07 am
32	Deenadhayalan	Joined	10/11/22, 11:33:49 am
33	Imran Ali	Joined	10/11/22, 10:52:15 am
34	Varun K R	Joined	10/11/22, 11:37:41 am
35	Naiman Shariff	Joined	10/11/22, 10:37:37 am
36	Manoj kumar R	Joined	10/11/22, 11:14:49 am
37	nagaraj	Joined	10/11/22, 10:40:41 am
38	Nagaraj Devadiga	Joined	10/11/22, 11:36:30 am
39	Mohammed Safiullah	Joined	10/11/22, 10:32:58 am
40	preetham P	Joined	10/11/22, 11:29:11 am

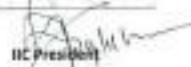
41	Dr.Raviprakash	Joined	10/11/22, 11:37:41 am
42	Daanish	Joined	10/11/22, 10:37:04 am
43	SIVA P	Joined	10/11/22, 11:13:16 am
44	Younus Fardeen	Joined	10/11/22, 10:47:22 am
45	NIKHIL REVANNA GOWDA	Joined	10/11/22, 11:34:36 am
46	Rahul R	Joined	10/11/22, 10:35:19 am
47	BHARATYASHAS S	Joined	10/11/22, 10:39:25 am
48	CHETHAN K	Joined	10/11/22, 11:37:41 am
49	kiran	Joined	10/11/22, 10:34:31 am
50	Mohammed Safiullah	Joined	10/11/22, 10:34:31 am

51	kushal J	Joined	10/11/22, 11:37:41 am
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52	Zulfikarali	Joined	10/11/22, 10:55:26 am
53	Mohammed Safiullah	Joined	10/11/22, 10:39:43 am
54	kushal	Joined	10/11/22, 11:18:27 am
55	Chandan K V	Joined	10/11/22, 10:36:38 am
56	Daanish	Joined	10/11/22, 10:42:37 am
57	Abhishek H	Joined	10/11/22, 11:33:49 am
58	Rahul R	Joined	10/11/22, 11:21:21 am
59	MAVEEN KUMAR	Joined	10/11/22, 10:39:24 am
60	SHANKAR KATHAWAT	Joined	10/11/22, 11:37:36 am
61	Sahil S	Joined	10/11/22, 11:31:22 am
62	Srinivas Reddy	Joined	10/11/22, 11:22:07 am
63	Neymani	Joined	10/11/22, 10:54:23 am
64	Maiman Shariff	Joined	10/11/22, 11:37:41 am
65	Mohammed Safiullah	Joined	10/11/22, 11:37:41 am
66	DHARMA TEJA K	Joined	10/11/22, 11:37:41 am
67	Suhason S	Joined	10/11/22, 11:01:32 am
68	Malikarjun	Joined	10/11/22, 11:06:26 am
69	Preeti Sharon	Joined	10/11/22, 10:58:55 am
70	YATENDER	Joined	10/11/22, 11:37:41 am
71	Mohammed Younus Fardeen	Joined	10/11/22, 10:56:58 am
72	Arnav A Raj	Joined	10/11/22, 11:37:41 am
73	Nagaraj Devadiga	Joined	10/11/22, 11:37:41 am
74	Anup M Upadhyaya	Joined	10/11/22, 11:37:41 am
75	BHARATHI	Joined	10/11/22, 11:37:41 am
76	MHAMMED ARSALAN	Joined	10/11/22, 11:37:41 am

**FEEDBACKS**

Sl. No.	Name	Source	Medium	Feedback	Feedback	Feedback	Feedback	Feedback	Feedback
1	Dr. Raviprakash	Workshop	Workshop	Very good	Yes	Yes	Yes	Yes	Yes
2	Daanish	Workshop	Workshop	Very good	Yes	Yes	Yes	Yes	Yes
3	SIVA P	Workshop	Workshop	Very good	Yes	Yes	Yes	Yes	Yes
4	Younus Fardeen	Workshop	Workshop	Very good	Yes	Yes	Yes	Yes	Yes
5	NIKHIL REVANNA GOWDA	Workshop	Workshop	Very good	Yes	Yes	Yes	Yes	Yes
6	Rahul R	Workshop	Workshop	Very good	Yes	Yes	Yes	Yes	Yes
7	BHARATYASHAS S	Workshop	Workshop	Very good	Yes	Yes	Yes	Yes	Yes
8	CHETHAN K	Workshop	Workshop	Very good	Yes	Yes	Yes	Yes	Yes
9	kiran	Workshop	Workshop	Very good	Yes	Yes	Yes	Yes	Yes
10	Mohammed Safiullah	Workshop	Workshop	Very good	Yes	Yes	Yes	Yes	Yes

 IC Member  
 IC President  
**PRINCIPAL**  
 The Oxford College of Engineering  
 Bangalore, Karnataka

**Workshop on “Innovation opportunities in Fuel Cell Technology” as Career Opportunity**

**THE OXFORD COLLEGE OF ENGINEERING**  
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 Hosur Road, Bommanahalli, Bengaluru - 560068

**INSTITUTION'S INNOVATION COUNCIL**  
 DEPARTMENT OF MECHANICAL ENGINEERING  
**Organizing**  
 Workshop on "Innovation Opportunities in Fuel Cell Technology"

In association with IIC  
 On  
 9<sup>th</sup> November 2022 at 2PM

**Chief Patron**  
 Sri S.N.V.L Narasimha Raju  
 President  
 The Oxford Educational Institutions

**Patron**  
 Dr. N Kannan  
 Principal & President IIC  
 The Oxford College of Engineering

**Dr. Maneesh C Srivastava**  
 Professor  
 Dept of Mechanical Engineering  
 ASET, Amity University, Lucknow

**Convener**  
 Dr. Mathu sudana Reddy G  
 Prof & HOD, Mechanical Engineering

**Faculty Coordinator**  
 Mr. Anup M Upadhyaya  
 Assistant Professor, IIC Member  
 Department of Mechanical Engineering

## Objectives of the Workshop

- Promote the importance of Fuel cell and explore the innovation and opportunities □ To stimulate the overall architecture of the fuel cell and different technology associated with fuel cells
- To demonstrate fuel cell performance and simulations using software's fir upcoming advancements

The oxford college of Engineering, Bengaluru- Institution Innovation Council in association with the Department of Mechanical Engineering organized an online workshop on "Innovation opportunities in Fuel Cell Technology" as Career Opportunity on 09-11-2022 at 02PM. The guest speaker of the event was Dr. Maneesh C Srivastava, Faculty Lead, Career and Well Being, Department of Mechanical Engineering ASET Amity University Lucknow.

An educator, a trainer, and a resource faculty, Dr. Maneesh C Srivastava, is a highly motivated professional with experience in Learning and development, Process building with training small and large groups across diverse industries. During the webinar. Dr Manish told in the future, fuel cells could power our cars, with hydrogen replacing the petroleum fuel that is used in most vehicles today. Many vehicle manufacturers are actively researching and developing transportation fuel cell technologies. Stationary fuel cells are the largest, most powerful fuel cells.

## Outcome of the Workshop

- To understand the basics of fuel cell and its Importance in modern society
- Skill set required for simulations with fuel cells.
- Key performance indicator of a fuel cell opportunities.

### Speaker Details:

Dr. Maneesh C Srivastava

Professor

Department of mechanical engineering ASET

Amity University Lucknow

### Session Link:

[https://oxfordadmin.my.sharepoint.com/personal/anupmu\\_theoxford\\_edu/\\_layouts/15/stream.aspx?id=%2Fpersonal%2Ffanupmu%5Ftheoxford%5Fedu%2FDocuments%2FRecordings%2FWorkshop%20on%20%E2%80%9CInnovation%20Opportunities%20in%20Fuel%20Cell%20Technology%5F%2D20221109%5F140503%2DMeeting%20Recording%2Emp4&ga=1](https://oxfordadmin.my.sharepoint.com/personal/anupmu_theoxford_edu/_layouts/15/stream.aspx?id=%2Fpersonal%2Ffanupmu%5Ftheoxford%5Fedu%2FDocuments%2FRecordings%2FWorkshop%20on%20%E2%80%9CInnovation%20Opportunities%20in%20Fuel%20Cell%20Technology%5F%2D20221109%5F140503%2DMeeting%20Recording%2Emp4&ga=1)

Number of Participants: 76

Workshop attendance:

	Name	User Action	Timestamp
1	Anup M Upadhyaya	Joined	9/11/22, 3:15:22 pm
2	P Bindhu Madhavi	Joined	9/11/22, 3:15:22 pm
3	Dr Bindhu	Joined	9/11/22, 1:59:12 pm
4	kushal J	Joined	9/11/22, 3:15:06 pm
5	PRASHANT RANJAN	Joined	9/11/22, 3:15:22 pm
6	preeta sharan	Joined	9/11/22, 3:15:22 pm
7	NIKHIL REVANNA GOWDA	Joined	9/11/22, 2:19:49 pm
8	Prasad H Nayak	Joined	9/11/22, 3:15:22 pm
9	N.REDDY	Joined	9/11/22, 2:24:35 pm
10	Dr.Maneesh C Srivastava	Joined	9/11/22, 3:15:22 pm
11	SIVA P	Joined	9/11/22, 2:04:44 pm
12	Sahil S	Joined	9/11/22, 3:01:04 pm



13	nikhil	Joined	9/11/22, 3:15:22 pm
14	Farah Fathima	Joined	9/11/22, 2:21:53 pm
15	Krishna kumar	Joined	9/11/22, 2:01:47 pm
16	Srinivas Reddy	Joined	9/11/22, 3:09:16 pm
17	laljith	Joined	9/11/22, 2:01:55 pm
18	SANDEEP J	Joined	9/11/22, 3:00:26 pm
19	MECH HOD	Joined	9/11/22, 2:50:00 pm
20	DHARMA TEJA K	Joined	9/11/22, 3:15:22 pm
21	vino Karthik R	Joined	9/11/22, 2:25:31 pm
22	Dr.Raviprakash	Joined	9/11/22, 3:15:22 pm
23	Varun K R	Joined	9/11/22, 3:15:22 pm
24	BHARATH	Joined	9/11/22, 2:56:43 pm
25	RAKEND B	Joined	9/11/22, 2:44:39 pm
26	god	Joined	9/11/22, 2:04:10 pm
27	MOHAMMED HUSSAIN	Joined	9/11/22, 2:58:01 pm
28	LOKESH G	Joined	9/11/22, 2:57:14 pm
29	Nagaraj Devadiga	Joined	9/11/22, 3:15:22 pm
30	Arnav A Raj	Joined	9/11/22, 3:15:22 pm
31	YATENDER	Joined	9/11/22, 3:15:14 pm
32	Deenadhayalan S	Joined	9/11/22, 3:15:22 pm
33	SYED IFTIQAR AHMED	Joined	9/11/22, 2:57:06 pm
34	Naiman Shariff	Joined	9/11/22, 3:15:22 pm
35	keshavan s	Joined	9/11/22, 2:05:23 pm
36	SIVA P	Joined	9/11/22, 2:05:58 pm
37	deepak	Joined	9/11/22, 2:09:29 pm
38	Krishna U	Joined	9/11/22, 3:06:26 pm
39	CHETHAN K	Joined	9/11/22, 2:50:00 pm
40	nagaraj	Joined	9/11/22, 3:12:20 pm
41	Prajwalkumar S Mutnale	Joined	9/11/22, 3:15:22 pm
42	Daanish	Joined	9/11/22, 2:22:07 pm

43	MOHAMMED ARSALAN	Joined	
44	manojkumar R	Joined-	9/11/22, 3:09:47 pm
45	Tharun Sai.g	Joined	9/11/22, 2:34:20 pm
46	Mohammed Safiullah	Joined	9/11/22, 3:15:22 pm
47	vidyadharpumar	Joined	9/11/22, 3:05:27 pm
48	Anjan B V	Joined	9/11/22, 2:38:24 pm
49	Daanish	Joined	9/11/22, 3:12:34 pm
50	syediftiqar	Joined	9/11/22, 3:15:22 pm

### FEEDBACKS :

Timestamp	Full Name	Department	Institution	Mobile Number	Place	Was the session useful?	Did the webinar met your expectation?	Did you have any issues in connectivity?	How was the webinar organized?	Are you interested in future webinar conducted by IIE Department of TOCE	Suggestion (if any)
2022/11/09 3:22:53	pr Manojkumar	Mechanical	The Oxford College of engineering	815002880	Bangalore	Yes	Yes	No	Very Good	Yes	None
2022/11/09 3:22:54	pr Mohammed	Mechanical	The Oxford College of Engineering	798476400	Bangalore	Yes	Yes	Yes	Very Good	Yes	no
2022/11/09 3:24:05	pr Dr. Vinun	Mechanical Eng	The Oxford College of Engineering	9632118912	Bangalore	Yes	Yes	No	Excellent	Yes	Good
2022/11/09 3:24:05	pr Dr. Prasad	Mechanical Eng	The Oxford College of Engineering	9481953343	Bangalore	Yes	Yes	No	Excellent	Yes	Overall session was excellent
2022/11/09 3:24:37	pr Bharath A	Mechanical	The Oxford College of Engineering	8951770218	Bangalore	Yes	Yes	Yes	Very Good	Yes	Very good webinar
2022/11/09 3:25:16	pr Prasad R	Mechanical	The Oxford College of Engineering	7804746534	Bangalore	Yes	Yes	No	Good	Yes	None
2022/11/09 3:25:18	pr Sachin S	Mechanical	The oxford college of engineering	6382468828	Bangalore	Yes	Yes	Yes	Good	Yes	The webinar was quite fine the opt was not clear it might be because of connectivity
2022/11/09 3:31:08	pr Dr. Arjuna	Mechanical Eng	The Oxford College of Engineering	9685276062	Bangalore	Yes	Yes	No	Good	Yes	Good
2022/11/09 3:37:49	pr MOHAMMED	MECHANICAL	THE OXFORD COLLEGE OF ENGINEERING	7349631380	BANGALUR	Yes	Yes	No	Excellent	Yes	Everything was good
2022/11/09 3:38:52	pr Vinu Karthi	Mechanical	The Oxford College of engineering	9368838179	Bangalore	Yes	Yes	Yes	Good	Yes	Nil
2022/11/09 3:39:15	pr Mohanna	Mechanical Eng	The Oxford College of Engineering	9901250950	Bangalore	Yes	Yes	Yes	Very Good	Yes	ok
2022/11/09 3:42:41	pr SYED IFK	MECHANICAL	THE OXFORD COLLEGE OF ENGINEERING	8305225168	GARHATAP	Yes	Yes	No	Good	Yes	All good
2022/11/09 3:47:42	pr Naiman S	Mechanical	TOCE	9844804618	Bangalore	Yes	Yes	No	Very Good	No	No
2022/11/11 8:38:08	pr Dr. Vinun	Mechanical Eng	The Oxford College of Engineering	9632118912	Bangalore	Yes	Yes	No	Excellent	Yes	Good

IIC Member

IIC Member

IIC President

CONFIRMS

PRINCIPAL  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bengaluru-560 068

“Workshop on Entrepreneurship skill, attitude and behaviour development”

**DEPARTMENT OF MECHANICAL AND CIVIL ENGINEERING**

**Organizing**

**"Workshop on entrepreneurship skill, attitude and behavior development"**

**Convener**

**Dr. Madhusudana Reddy G**  
Prof & HOD, Mechanical Engineering

**Dr. Mallikarajiah T.S**

Prof & HOD, Civil Engineering

**Faculty Coordinator**

**Mr. Anup M Upadhyaya**

Assistant Professor, IIC Member  
Department of Mechanical Engineering

**Ms. Nayana B S**

Assistant Professor, IIC Member  
Department of Civil Engineering

In association with IIC

On

25<sup>th</sup> February 2023 at 10AM



**Mr. Srinath Dronamraju**  
Solution Development Lead  
Accenture, Bangalore

**Chief Patron**

**Sri S.V.J. NarasimhaRaju**  
President

The Oxford Educational Institutions

**Dr. H Kannan**

Principal & President IIC  
The Oxford College of Engineering





The Oxford College of Engineering, Bengaluru – Institutions Innovation Council in association with Department of Mechanical and Civil Engineering organized a seminar titled " Workshop on Entrepreneurship skill, attitude and behaviour development " by Mr. Srinath Dronamraju , on 25<sup>th</sup> February 2023 from 10AM in offline mode in 5th Floor, Old Block , Room Number 505.

### Objective

1. To create awareness about the importance of innovation and ideageneration.
2. To develop Positive attitude and over comer mentality.
3. To develop problem solving skills of students
4. To develop ideas to overcome obstacles and be proactive.

At the outset the students were welcomed, made aware about the objective of the workshop and the initiatives of Institution Innovation Cell (Ministry of Education, GoI).

The resource person covered the following points to make them as a successful future Entrepreneur:

1. **Learn from the experience of other entrepreneur:** The famous entrepreneurs where they tell how they started their projects, and a good entrepreneur must be informed and updated
2. **Positive Mindset:** Having a positive and entrepreneurial attitude is essential to achieve the objectives. Having a good positive attitude can help make a personal project come true.
3. **Believe in yourself:** To be a good entrepreneur, you must believe in your business idea, which will be essential to overcome obstacles and be proactive.
4. **Organization and Planning:** An entrepreneur knows that part of this organization and planning involves forming a work team and delegating its functions so that the entrepreneur knows what resources he needs and foresees the risks for decision-making. About 120 students were attended the workshop. The queries of the students were very well handled by



the speaker. The overall feedback of the workshop was very positive.

Total 84 students and 10 Faculty participated in the events from both mechanical and civil department.

**Outcome:**

1. Students were made aware of various Govt Schemes for establishing start-ups
2. Students learned the very basic of entrepreneur skills and how one can become an entrepreneur with just a basic innovative idea.

**Resource Person Detail:**

**Mr. Srinath Dronamraju**

Solution Lead, Accenture

Ph:9164666676

**Session**

**Link:** [https://drive.google.com/file/d/16XqOLbqi8RdhXVllAqx\\_h1miSY78jTsH/view?usp=share\\_link](https://drive.google.com/file/d/16XqOLbqi8RdhXVllAqx_h1miSY78jTsH/view?usp=share_link)

**Attendance**

(Approved by AICTE, New Delhi, Accredited by NBA, NAAC, New Delhi &amp; Affiliated to VTU, Belgaum)

Department of Mechanical and Civil Engineering

"Workshop on entrepreneurship skill, attitude and behaviour development"

25th February 2023

Sl.No	USN	NAME	DEPARTMENT	SIGNATURE
1	10X21ME001	Anjan. B.V	ME	Anjan
2	10X21ME002	Dharmakumar.S	ME	Dharmakumar
3	10X21ME003	Fauzan Fatima.	ME	Fauzan
4	10X21ME004	Kadik. G.N	ME	Kadik
5	10X21ME005	Karthan.S	ME	Karthan
6	10X21ME006	Karan Kumar.K	ME	Karan
7	10X21ME007	Krishna Kumar.DH	ME	Krishna
8	10X21ME008	Lalith.	ME	Lalith
9	10X21ME009	Harmanth.	ME	Harmanth
10	10X21ME010	Nagaraj	ME	Nagaraj
11	10X21ME011	Nikhil Jankar.C	ME	Nikhil
12	10X21ME012	Pratham.	ME	Pratham
13	10X21ME013	Prithvi Raji	ME	Prithvi
14	10X21ME014	Sagan.	ME	Sagan
15	10X21ME015	Tharun. Sai	ME	Tharun
16	10X21ME016	Vinik.	ME	Vinik
17		GIRISHA.DT	ME	Girisha
18		NAVEEN.	ME	Naveen
19		ADITH. KUMAR	ME	Adith
20		ABINAV	ME	Abinav
21	10X19ME001	Bharath	ME	Bharath
22	10X19ME002	Arun Raj	ME	Arun
23	10X19ME003	Arun Khan	ME	Arun
24	10X19ME004	Rikard	ME	Rikard
25	10X19ME005	Madan K	ME	Madan
26	10X19ME006	Manoj Kumar	ME	Manoj
27	10X19ME007	M. Yashu	ME	M. Yashu
28	10X19ME008	Naveen Sharif	ME	Naveen
29	10X19ME009	Naveen Kumar.	ME	Naveen
30	10X19ME010	Rahul R	ME	Rahul
31	10X19ME011	Shai. preetham	ME	Shai
32	10X19ME012	Shreyas	ME	Shreyas
33	10X19ME013	Syed Irfan	ME	Syed
34	10X19ME014	Yatender	ME	Yatender
35	10X19ME015	Vijay	ME	Vijay
36				
37				
38				
39				



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Department of Civil Engineering

"Workshop on entrepreneurship skill, attitude and behavior development".

25<sup>th</sup> February 2023

SLNo	USN	NAME	DEPARTMENT	SIGNATURE
1	IOX18CV004	AJAY KUMAR K	Civil Engineering	Ajay
2	IOX18CV005	AKSHAY KUMAR	Civil Engineering	Akshay
3	IOX18CV011	HARI PRASAD R K	Civil Engineering	Hari Prasad
4	IOX18CV013	KRITHIK N K	Civil Engineering	Krithik
5	IOX18CV026	RAHUL S	Civil Engineering	Rahul
6	IOX18CV028	RAKESH S M	Civil Engineering	Rakesh
7	IOX18CV036	SANGAMESH	Civil Engineering	Sangamesh
8	IOX18CV037	LSARIPONG JAMIR	Civil Engineering	LSaripong
9	IOX18CV046	TIMMAYYA	Civil Engineering	Timmayya
10	IOX18CV050	VENKATESH G	Civil Engineering	Venkatesh
11	IOX19CV001	ABHISHEK KARABHARI	Civil Engineering	Abhishek
12	IOX19CV002	ABHISHEK PATIL	Civil Engineering	Abhishek
13	IOX19CV003	ADARSHA K Y	Civil Engineering	Adarsha
14	IOX19CV004	AKSHAY RAVINDRA SHET	Civil Engineering	Akshay R. Shet
15	IOX19CV005	ARUN KUMAR V	Civil Engineering	Arun
16	IOX19CV006	ARUNA P	Civil Engineering	Aruna
17	IOX19CV007	ASHOK SELVAM	Civil Engineering	Ashok
18	IOX19CV008	BISHAL BORAH	Civil Engineering	Bishal
19	IOX19CV009	CHIRAG KRISHNA PRASAD A	Civil Engineering	Chirag
20	IOX19CV010	G NISHAD	Civil Engineering	G Nishad
21	IOX19CV012	GIRISH LAMANI	Civil Engineering	Girish
22	IOX19CV013	GOKUL P	Civil Engineering	Gokul P
23	IOX19CV014	INDRAJIT KUMAR YADAV	Civil Engineering	Indrajit

24	IOX19CV016	LAVANYA C	Civil Engineering	Lavanya C
25	IOX19CV017	MD TAMEEM	Civil Engineering	Md. Tameem
26	IOX19CV018	METSALONG LONGCHAR	Civil Engineering	Metsalong
27	IOX19CV020	MOHAMMED FIRDOSH KHAN	Civil Engineering	Firdosh Khan
28	IOX19CV021	NANDHITHA U	Civil Engineering	Nanditha U
29	IOX19CV022	PRARTHANA S	Civil Engineering	Prarthana S
30	IOX19CV023	PURNASHREE M	Civil Engineering	Purnashree M
31	IOX19CV024	ROHEED SHAFI	Civil Engineering	Roheed Shafi
32	IOX19CV025	SALMAN K	Civil Engineering	Salman K
33	IOX19CV026	SANDESH B BETHUR	Civil Engineering	Sandesh B Bethur
34	IOX19CV027	SHAIK SHARUL	Civil Engineering	Shaik Sharul
35	IOX19CV028	SNEHA REJI THOMAS	Civil Engineering	Sneha Reji Thomas
36	IOX19CV029	SUCHITHRA C GOWDA	Civil Engineering	Suchithra C Gowda
37	IOX19CV030	SURJITH S	Civil Engineering	Surjith S
38	IOX19CV031	SYED USSAID AHMED	Civil Engineering	Syed Usaid
39	IOX19CV032	TEJA K P	Civil Engineering	Teja K. P
	IOX19CV033	VAMSI KRISHNA G	Civil Engineering	Vamsi K. G
40	IOX19CV034	VARSHITHA S G	Civil Engineering	Varshitha S. G
41	IOX19CV035	VARUN B L	Civil Engineering	Varun B. L
42	IOX19CV036	YASIR SHABIR PEERZADA	Civil Engineering	Yasir Shabir
43	IOX20CV400	AJAY KUMAR K R	Civil Engineering	Ajay K. R
44	IOX20CV401	ARIF SHABIR MALYAR	Civil Engineering	Arif Shabir
45	IOX20CV402	DEEKSHIYH JAGTHAP S	Civil Engineering	Deekshiyh Jagthap S
46	IOX20CV403	SHEIKH MOHAMMED MOSHIN	Civil Engineering	Sheikh Mohammed
47	IOX20CV404	SUHAIL SHABIR SHEERGORJIE	Civil Engineering	Suhail Shabir
48	IOX20CV405	SURAJ SINGH	Civil Engineering	Suraj Singh
49	IOX20CV406	TAJUDDIN S B	Civil Engineering	Tajuddin S. B



**Feedback:**

Sl. No.	Workshop Date	Full Name	Department	Institution	Mobile Number	Place	Was the session useful?	Did the workshop meet your expectations?	Did you have any queries during the workshop?	How was the workshop conducted by ME Department?	Are you interested in future workshops conducted by ME Department?	Suggestion (if any)
2023/02/25	Hayika B S	Civil engineering	The Oxford col	902027319	Bangalore	Yes	Yes	No	Very Good	Yes	Nothing	
2023/02/25	Lalith	Mechanical	Oxford engine	904120117	Bangalore	Yes	Yes	No	Excellent	Yes	Nothing	
2023/02/25	Musaa Ahmed	Civil	The Oxford col	815207070	Bangalore	Yes	Yes	No	Excellent	Yes	No	
2023/02/25	Mehal Musani	Civil engineering	The Oxford col	6096218823	Bangalore	No	No	No	Good	Yes	OK	
2023/02/25	Lavanya C	Mechanical	The Oxford Col	7264878024	Bangalore	Yes	Yes	No	Good	Yes	-	
2023/02/25	DEEPIKA BAJWA	Mechanical	The Oxford Col	6266233424	BANGALORE	Yes	Yes	No	Very Good	Yes	No	
2023/02/25	Suhail shahid	Mechanical	The Oxford col	7780935549	Bangalore	Yes	Yes	No	Good	No	No	
2023/02/25	Takshmal hosa	Civil	The Oxford col	9048357138	Bangalore	Yes	Yes	No	Very Good	Yes	No	
2023/02/25	Uday Kumar A	Civil engineering	The Oxford col	889249945	Bangalore	Yes	No	No	Very Good	Yes	No	
2023/02/25	Raganya M.	Civil engineering	The Oxford col	8618164997	Bangalore	Yes	Yes	No	Excellent	Yes	OK	
2023/02/25	Gaual	Civil	Oxford college	898923945	Bangalore	Yes	Yes	No	Very Good	Yes	Good	
2023/02/25	MOHINI G V	Civil Engineering	The Oxford col	8951888755	Bangalore	Yes	Yes	No	Good	Yes	None	
2023/02/25	Prarthana S	Civil Engineering	The Oxford Col	9620796589	Bangalore	Yes	Yes	No	Very Good	Yes	No	
2023/02/25	Timothy	Civil	The Oxford col	9972728878	Bachur	Yes	Yes	No	Very Good	Yes	Yes	
2023/02/25	Aas kumar k	Civil	The Oxford col	9663046033	Bangalore	Yes	Yes	No	Very Good	No	No	
2023/02/25	Sharath yadav	Mechanical	The Oxford Col	8148931249	Bangalore	Yes	Yes	Yes	Excellent	No	No	
2023/02/25	Ranjith Gowda	Mechanical	The Oxford col	8865441648	Bangalore	Yes	Yes	No	Good	Yes	Nothing	
2023/02/25	Vishal S G	Civil engineering	The Oxford col	7882981731	Bangalore	Yes	Yes	No	Very Good	Yes	Very informative session	
2023/02/25	Fahad Ahmad	Civil	The Oxford col	7389407058	Bangalore	Yes	Yes	Yes	Good	Yes	Focus on around development of students	
2023/02/25	Laxmanarath B J	Civil	Oxford college	8309648007	Bangalore	Yes	Yes	Yes	Good	Yes	No	

*[Signature]*  
IIC Convener

*[Signature]*  
IIC Member

*[Signature]*  
IIC President



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10<sup>TH</sup> Milestone, Hosur Rd,

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**COLLEGE OF ENGINEERING**

Bommanahalli, Bengaluru, Karnataka 560068


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**SEMINAR ON**

**"DESIGN THINKING AND CHALLENGES OF OFFSHORE OIL AND GAS FACILITIES"**



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 COLLEGE OF ENGINEERING  
 BANGALURU, INDIA

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 Hasur Road, Bommanahalli, Bangalore - 560088


**INSTITUTION'S  
 INNOVATION  
 COUNCIL**  
 BANGALURU, INDIA

**DEPARTMENT OF MECHANICAL ENGINEERING**  
 Organizing  
**"Design Thinking and Challenges of offshore Oil and Gas facilities"**

In association with IIC  
 On 30<sup>th</sup> December 2022 at 12PM

<p><b>Convener</b>  <b>Dr. Madhu sudana Reddy G</b>          Prof &amp; HOD, Mechanical Engineering  <b>Faculty Coordinator</b>  <b>Mr. Anup M Upadhyaya</b>          Assistant Professor, IIC Member          Department of Mechanical Engineering</p>		<p><b>Chief Patron</b>  <b>Sri S.N.V.I. Narasimha Raju</b>          President          The Oxford Educational Institutions  <b>Dr. N Kannan</b>          Principal &amp; President IIC          The Oxford College of Engineering</p>
<p><b>Mr. Gururaj Achar</b>          Senior Project Engineer          Baker Hughes (GE Oil &amp; Gas)</p>		



The Oxford College of Engineering , Bengaluru – Institutions Innovation Council in association with Department of Mechanical Engineering organized a seminar titled "**Design**

**Thinking and Challenges of offshore Oil and Gas facilities"** by Mr. Gururaj Sagar , on 30thDec 2022 from 12PM in offline mode in 5<sup>th</sup> Floor, Old Block , Room Number 505.

### **Objective:**

Objective of the workshop was to give a exposure to student on design strategies involved in offshore oil and gas industries. Design thinking is a problem-solving approach that involves understanding the needs and perspectives of end-users to develop innovative solutions that meet their needs. When applied to the design of offshore oil and gas facilities, design thinking can help address some of the major challenges faced by these facilities, including safety, environmental impact, and cost-effectiveness.

One of the main challenges of offshore oil and gas facilities is ensuring safety for workers and preventing environmental damage. Design thinking can help address these challenges by focusing on the needs and perspectives of the end-users, including workers, regulators, and nearby communities. This can involve designing facilities with safety features that are easy to use and understand, as well as incorporating environmental considerations into the design process. Another challenge of offshore oil and gas facilities is cost-effectiveness, as these facilities can be expensive to construct and maintain. Design thinking can help address this challenge by focusing on the needs of the business and identifying areas where costs can be reduced without sacrificing safety or quality. This can involve designing facilities that are modular and can be easily reconfigured, as well as incorporating automation and other technology to reduce the need for human labor.

### **Output:**

Mr. Gururaj Sagar concluded that overall, design thinking can help address the complex challenges of offshore oil and gas facilities by bringing a user-centered approach to the design process and incorporating the needs and perspectives of all stakeholders involved in the project Development of strategic thinking and scenario planning skills, as well as the ability to make intuitive decisions based on little knowledge. Stimulating a variety of entrepreneurial behaviours such as seeking for and seizing opportunities, networking, taking initiative, convincing others, and making intuitive decisions. This necessitates a diverse set of pedagogical tools.

About 54 students were attended the workshop. The queries of the students were very well handled by the speaker. The overall feedback of the workshop was very positive.

### **Event Link:**

[https://drive.google.com/file/d/1AT44AzHccJ8Uy43BVnBnTQk0NF0wJL1b/view?usp=share\\_link](https://drive.google.com/file/d/1AT44AzHccJ8Uy43BVnBnTQk0NF0wJL1b/view?usp=share_link)

### **Resource Person Details:**

**Name:** Mr. Gururaj Sagar

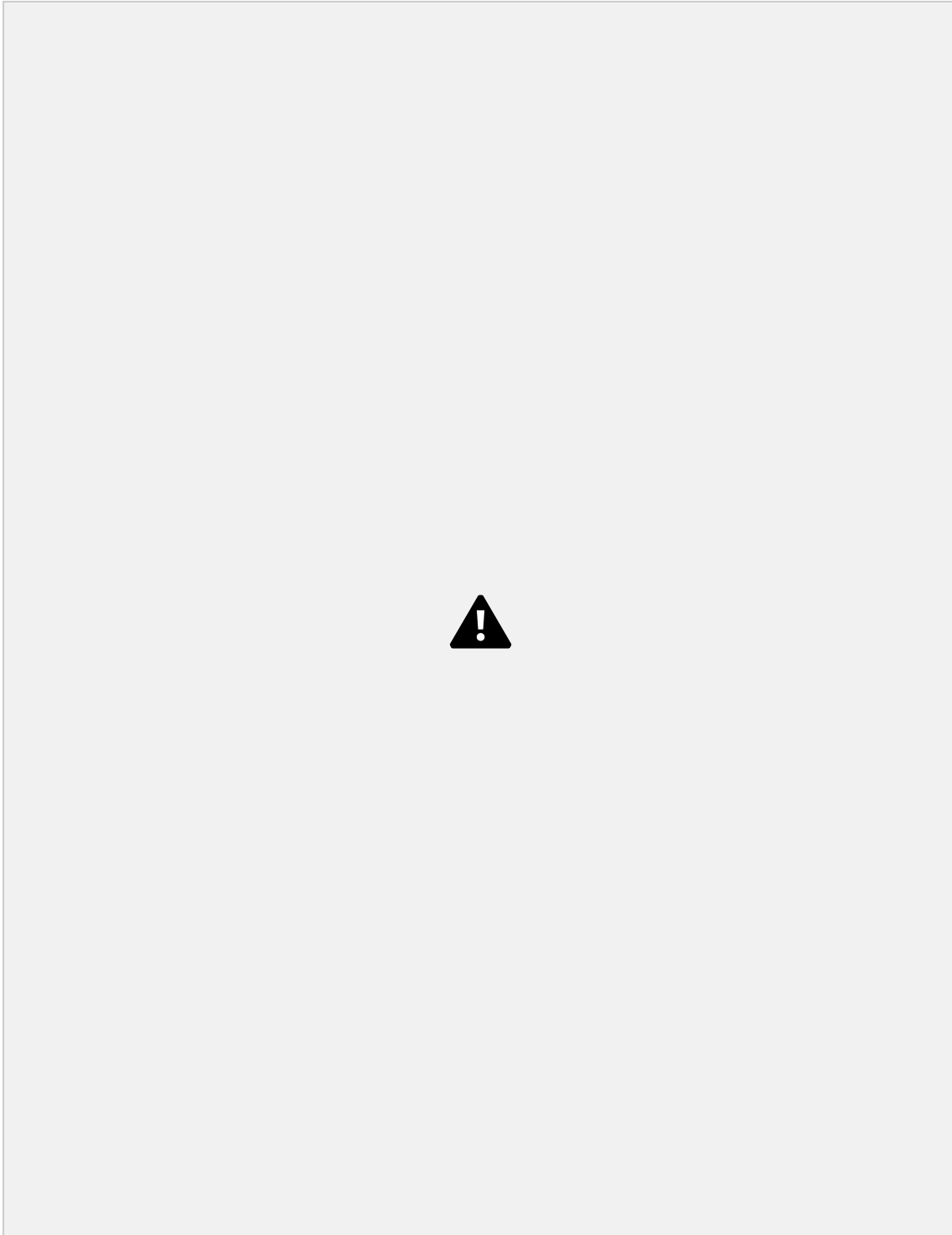
**Contact Number:** +919886030899

**Email ID:** [Gururaj.Sagar@bakerhughes.com](mailto:Gururaj.Sagar@bakerhughes.com)

Senior Project Engineer

Baker Hughes Energy and Technology

**Attendance:**









**“Workshop on Innovation through FEA using ANSYS MECHAICAL  
WORKBENCH”**



association with Department of Mechanical Engineering organized a seminar titled "Workshop on Innovation through FEA using ANSYS MECHAICAL WORKBENCH" by Mr. Thammaiah N S, Mechanical Engineer, PMC Hydraulics, Bangalore, on 20<sup>th</sup> to 22<sup>nd</sup> February 2023 from 9AM to 4PM in offline mode in 5th Floor, Old Block , Room Number 505.

**Objective:** The workshop was focused on various aspect related with ANSYS workbench and FEA analysis

- Awareness about Design Concepts
- Practical Work
- FEA Modelling
- Trigger out the Hub of Engineering
- Practical FEA oriented Project
- How to Master in FEA Skills
- How to Master in CAE Skills
- How to build Skills with studies

In this workshop students have benefited the basic knowledge of FEA and also learn two modules of Ansys software. Static Module and Vibration Module which is used in analysis of mechanical component. Students were benefited a lot from this workshop. Students were eagerly to say conducting this type of workshop for advance Ansys modules which shows the success of this workshop. Total 40 to 50 students were participated in the event Day 1 to Day 3

### **Output:**

As we all know that the "ANSYS" are very important advance system of mechanical engineering. They are also known as the advance software. With the use of these during workshop the trainer tried to shed some light on the possible synthesis of mechanism or perfectly making parts without error & show the depth of the software in mechanical branch.

### **Various outcomes of this workshop are.**

- Prepare the students for Skilled mind set.
- Holistic development of students.
- Providing those things which a industry demand
- Value added course to student.
- Revolution to the Skilled Mechanical Students

### **Resource Person Detail:**

Mr. Thammaiah N S

Mechanical Engineer

PMC Hydraulics, Bangalore

Ph:9945402771

### **Session Link:**



<https://drive.google.com/file/d/1AyPOdw3EkfaY814OKhHeuzbybPjItiGRF/view?usp=s>

[here link](#)

## Attendance







**Feedback**



**IIC Convener IIC Member IIC President**

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INSTITUTIONS INNOVATION COUNCIL

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**DEPARTMENT OF MECHATRONICS ENGINEERING &  
ELECTRICAL AND ELECTRONICS ENGINEERING**

**National Level Workshop on "PROTOTYPE /PROCESS  
DESIGN AND DEVELOPMENT OF INDUSTRIAL  
AUTOMATION (PLC & SCADA)"**

CHILDRENS EDUCATIONAL SOCIETY(Red)

THE OXFORD COLLEGE OF ENGINEERING

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 Affiliated to Visvesvaraa Technological **&Electrical and Electronics**  
 University Belagai & Approved by **Engineering**  
 A..CIE- New Delhi, Accredited by NBA-  
 New Delhi, Recognized by UGC, Hosur STTUTONS  
NOVATIONOUNCKL  
 Road, Bommanahalli Bengaluru-560068

Department of Mechatronics

**DEVELOPMENT OF**      Engineering

ICConvener

Dr. Bindhu Madhavi

The Oxford College of  
Engineering

Resource Person

Mr. Gokul

Technical Trainer

Chief Patron

Sri S.N.V.LNarasimha Raju

President

The Oxford Educational Institutions

Patron

Dr. N. Kannan

Principal & Presidet IIC

in Association with IIC

Orgamtatng National

Level Woriksboptom

**PROTOTYPE /PROCESS**

**DESIGN AND**

**INDUSTRIALAUTOMAT  
ION (PLC & SCADA)**

18/5/2023 10:00AM ONWARDS

Convener

Dr. Manjula C

Associate Professor & HOD

Mechatronics Engineering

Convener

Dr. Bharath VS

Professor & HOD

Electrical & Electronics Engineering

IIC Member

Dr. Devi Vigneshwari

Associate Professor

The Oxford College of

IPCS Global Solutions Pvt.  
Ltd.

Department of Electrical &

Electronics Engineering

IIC Member

Mr Jaideep R

Asst. Professor

Department of

Mechatronics

Engineering

The Oxford college of Engineering, Bangalore ,Institution Innovation Council in association with Department of Mechatronics Engineering & Electrical and Electronics Engineering organized National Level Workshop on PROTOTYPE PROCESS DESIGN AND DEVELOPMENT OF INDUSTRIAL AUTOMATION (PLC & SCADA)" by Mr. Gokul on 18/5/2023.

Ms. Gokul is an Senior Engineer with drive, high energy level, achievement-oriented, tireless in the pursuit of personal & Organizational goals, can comprehend complex situations with master planner, best at strategic decisions, number of participants attended the session are 50 and faculties 13.

**Objective:**

The objective of the session is to bring the awareness about industrial automation using PLC & SCADA in Real time Applications among the students. Also to get an exposure about hands on session about the applications used in the industry.

During the session the resource person explained about the its applications and highlighted the points.

What is Industrial Automation.

Industrial automation is the use of control systems and sophisticated



equipment in a production environment.

This includes robots, various sensors, and computers; performing tasks that were previously done manually.

Industrial automation systems are systems used to control and monitor a process, machine or device in a computerized manner that usually fulfills repetitive functions or tasks.

They are intended to operate automatically in order to reduce and improve human work in the industry.

Industrial automation is the control of machinery and processes used in various industries by autonomous systems through the use of technologies like robotics and Computer software.

### Outcomes:

Advantages commonly attributed to automation include higher production rates and increased productivity in PLC systems.



It

extends the equipment service life, saves consumables and raw materials, and improves production safety as a whole.

The morning session was started with

Welcome speech.

Introduction industrial automation (PLC & SCADA).

Basics of PLC & SCADA

Performing small operations.

The afternoon session was started with

Hands on operations

Doubt sessions

Vote of thanks

### Photos

Bengaluru, Karnataka, India 9, Old Mangammanapalya Rd, Popular Colony. Hongasandra, Bengaluru, Karnataka 560068, India Lat 12.900812°  
Long 72.633446 YVnOpfeyer  
18/05/23 10:25 AM GMT +05:30

PROGRAMMA CONTROLERS

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[fbid=256503643568353&set=a.177418398143545](https://www.facebook.com/photo?fbid=256503643568353&set=a.177418398143545) Registration link:

<https://forms.gle/A2kyRMEcyn9UTUPK>

Google meet link:

<https://meet.google.com/yvn-gpfe-ydr>

Feedback link:

<https://forms.gle/mk6QelddYW6oPtHQ9>

Video link:

<https://drive.google.com/file/d/1xuiAlee7DEKcDrT9SgXsctWg7HwSHn3/view?usp=sharing>

Total number of participants attended are 50.

Faculties attended Mechatronics Engineering

- 1) Dr.Manjula C
- 2) Dr.Madhura S
- 3) Ms.Seema V
- 4) Mr.Jaideep R
- 5) Ms.Annu kumari

Faculties attended Electrical and Electronics Engineering

- 1) Dr B DEVI VIGHNESHWARI
- 2) Dr Bharath VS
- 3) Mrs Nisha C Rani
- 4) Mr Jayakumar N
- 5) Mrs Sumitha T L
- 6) Mrs Resna S R
- 7) Mrs Raichel Ruby
- 8) Mrs Mounika Sharon

LIST OF

PARTICIPANTS Studen



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gmail.com

Rosy Verma

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Feedback of session: 1 (2%) 2 O Copy  
3 (66)

How was the Workshop 35 (70%)  
50 responses

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11 (22%) 11 (22%)

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Knowledge of the Resource Person 50 responses  
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Contents 50  
responses 20

40

30 Overall Feedback

50 responses

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Would you like to Attend in future such

Yes

No

sessions 50 responses

100%

Sample certificate:

Children's Education Society

THE OXFORD COLLEGE OF  
ENGINEERING, BENGALURU  
(Approved by AIC TE, New Delbl,

Accredited by NAAC 'A' GRADE,NBA &  
Affiliated to VIU, Belagavi-590 018)

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to certify that

Level Workshop On

Ms. ASHA RANI bas

Prototype

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This

Design

And

Development

of Industrial  
Automation

(PLC &

SCADA)

Organized By  
Mechatronics

Engineering  
& Electrical

And Electronics Engineering, TOCE Bengaluru In Association With  
IIC On 18/5/2023.

The Oxford College of Engineering  
Dr. N. Kannan

Principal & President IIC

The Oxford College of Engineering

IIC Convener  
Dr. Bindhu Madhavi

Prof.& HOD  
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Department of Mechatronics  
The Oxford College Of  
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ENGINEERING

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THE OXFORD COLLEGE OF

ENGINEERING Hosur Road,  
Bommanahalli, Bengaluru-560 068  
Website:www.theoxford.edu  
INSTITUTION'S INNOVATION COUNCIL

## DEPARTMENT OF MECHATRONICS ENGINEERING

### Workshop on "Innovation Opportunities with Embedded IOT in Real Time Applications".

Hosur Road, Bommanahalli Bengaluru-560068

Department of Mechatronics

Engineering in Association with IC

Organized One Day Workshop on

CHITL DREN'S EDUCATIONAL SOCIETY Regd)

THE OXFORD COLLEGE OF ENGINEERING

Recognized by Govt. of Karnataka, Affiliated to  
Visvesvaraya Technological University, Belagavi &

Approved by A.C.T.E-New Delhi, Accredited by NSTUI & NOVATO N COUNCIL

by NBA -New Delh, Recognized by UGC,

IIC Governor

Dr. Bindhu Madhavi

The Oxford College of  
Engineering

**Innovation  
Opportunities With  
Embedded IOT in**

**Real Time**

**Applications**

25/3/2023 10:30 AM ONWARDS

Resource Person

Ms. Divyas

Embedded IoT Application

Engineer

GLOBAL TECHNOLOGICS PVT LTD.

Convener

Dr. Manjula C

Associate Professor &  
HOD Mechatronics  
Engineering

IIC Member

Mr. Jaldeep R

Asst. Professor

Department of  
Mechatronics  
Engineering

Chief Patron

Si S.N.V.L. Narasimha Raju

President

The Oxford Educational Institutions

Patron

Dr. N. Kannan

Principal & President IIC

The Oxford College of Engineering

The Oxford college of Engineering, Bangalore, Institution Innovation Council in association with Department of Mechatronics Engineering organized workshop on "Innovation Opportunities with Embedded IOT in Real Time Applications". by Ms. Divya S on 25/3/2023.

Ms. Divya S is an Application Engineer with drive, high energy level, achievement-oriented, tireless in the pursuit of personal & Organizational goals, can comprehend complex situations with master planner, best at strategic decisions, number of students attended the session are 45 and faculties 4.

#### Objective:

The objective of the session is to bring the awareness about Embedded IOT in Real time Applications among the students. Also to get an exposure about hands on session about the applications.

During the session the resource person explained about the its applications and highlighted the points.

What is IoT

What is an embedded system

What is embedded system in IoT

Types of IoT embedded systems

Examples of single-purpose IoT embedded systems include:

Kiosk devices

POS solutions

The difference between IoT and embedded systems

The significance of embedded systems in IoT

The role of embedded system in IoT

Hardware for an IoT embedded system

Software for an IoT embedded system

Advantages of using Android for an embedded system for IoT

### Outcomes:

The morning session was started with

Introduction IoT stands for Internet of Things and refers to the interconnected nature of devices that we use in our daily lives.

These days "smart" devices can connect to the internet and to other devices to facilitate everyday actions.

For example, a smart fridge can detect the items in it as well as expiry dates and provide information to the owner about it, this is a typical use-case for IoT in everyday use.

The afternoon session was started with

Applications of Embedded IoT in Industry.

Real Time Applications where it is used.

Engineering fields where IoT can be used.

### Photos

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BGPS Map Camera

Bengaluru, Karnataka,  
India

cluster, No 23 & 24, AMR Tech Park  
Internal Rd, Hongasandra,

Bengaluru, Karnataka 560068, India  
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attended are 4. Faculties attended:

1) Dr.Manjula C

2) Ms.seema V

3) Mr.Jaideep R

4) Ms.Nisha C Rani Ntod

DEPARTMENT OF MECHATRONICS ENGINEERING

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DEPARTMENT OF MECHATRONICS ENGINEERING

3 Days Workshop on "Entrepreneurship opportunities on Robotics and

Automation ", CHILDREN'S EDUCATIONAL SOCIETY (rd)

THE OXFORD COLLEGE OF ENGINEERING  
Recognized by Govt. of Karnataka, Affiliated to  
Visvesvaraya Technological University, Belagavi &  
Approved by A.I.C.T.E-New Delhi, Accredited  
by NBA-New Delhi, Recognized by UGC,  
Hosur Road, Bommanahalli Bengaluru-560068

Department of Mechatronics  
Engineering n Association with IIC  
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Chief Patron	Patron	M.Nandhagopal
Sri S.N.V.L.Narasimha Raju	Dr. N. Kannan	Application Engineer
President	Principal & President IC	DIFACTO ROBOTICS AND
Entrepreneurship	The Oxford College of	AUTOMATION
opportunities on	Engineering	Dr. Manjula Associate
Robotics and Automation	IC Convener	Professor & HOD
	Dr. Bindhu Madhavi	Mechatronics Engineering
	The Oxford College of	IIC Member
	Engineering	Mr Jaideep R
	29/3/2023 to 31/3/2023	Asst. Professor
	AM to 5 PM	Department of Mechatronics
		Engineering
Convener		
The Oxford Educational institutions		
	Resource Person	

The Oxford college of Engineering, Bangalore ,Institution Innovation Council in association with Department of Mechatronics Engineering organized workshop on 3 Days Workshop on Entrepreneurship opportunities on Robotics and Automation". by Mr. Nandhagopal on 29/3/2023 to 31/3/2023.

Mr. Nandhagopal is an Application Engineer with high drive, high energy level, achievement oriented, tireless in the pursuit of personal & Organizational goals, he has also trained more

industrial people and has vast experience in robotics and automation. Number of students attended the session are 45 and faculty 5

### Objective

The objective of the session is to bring the awareness about industrial automation and robotics, the use of computer, control systems and information technology to handle industrial processes and machinery, replacing manual labour and improving efficiency, speed, quality and performance.

During the session the resource person explained about the its application and highlighted the points

" Ratx

ho the design concept,

operation, and use of robots design machines that can help

" The goal of TC and assist humans

" The term Robotic Process Automation (RPA) brings the magic of physical robots performing repetitive tasks like cleaning a heavy lifting heavy object doing

" The global development of robotics or processes to achieve outcomes minimal human input

Benefit of Automation

" Improved workforce safety

" faster ROI

" Ability to be more competitive

Increased productivity

Consistent and improved part production and quality

" Smaller environmental footprint

Industrial Robot Applications

Automated Welding Arc welding robotic welding

Spot Welding

Materials Handling.

Machine Tending.

Painting.

Picking, Packing and Palletizing.

Assembly.

Mechanical Cutting, Grinding, Deburring and Polishing.

Future of Robotics and Robots

We can expect to see more significant numbers of increasingly sophisticated robots incorporated into more areas of life, working with humans.

Contrary to dystopian-minded prophets of doom, these improved robots will not replace workers.

### Schedule of the workshop

DATE	TIME
	10:00AM - 11:00AM
2	
29/3/2023	11:00 AM - 1:00PM
SL. NO	3



ROBOTIC  
PROGRAMMING

2:00 PM-SPM

31/3/2023 Outcomes: 10:00AM  
1:00PM

10:00AM -

11:30AM  
TOPICS

EXPLANATION OF  
PROGRAM  
ENTERING THE  
PROGRAM IN  
TEACH PENDENT.

WELCOME SPEECH

INTRODUCTION TO  
ROBOTICS AND  
AUTOMATION

1:00 PM

5:00PM

2 3

BASICS OF  
ROBOTICS  
(JOGGING

30/3/2023

OPERATIONS) "  
JI TO J6

1

2

LUNCH BREAK

HANDS ON  
JOGGING  
OPERATIONS

11:30AM

1:00PM

JI J3 (LINEAR  
MOVEMENTS)

J6 (ROTARY  
J4 -

2:00 PM- 5:00 PM

MOVEMENTS)



TRIANGULAR  
OPERATION  
TWO LAYER  
TRIANGULAR  
OPERATION  
CUBOID OPERATION  
PERFORMING  
HANDS OPERATIONS  
BOX OPERATION

TRIANGULAR  
OPERATION  
TWO LAYER  
TRIANGULAR  
OPERATION CUBOID  
OPERATION  
TWO LAYER  
CUBOID OPERATION

SAVING, RUNNING AND EXECUTING.  
DEBUGGING OF PROGRAME.  
UNDERSTANDING THE CONCEPTS AND  
PERFORMING SMALLBOX OPERATION  
OPERATIONS.  
LUNCH BREAK  
PERFORMING  
HANDS  
OPERATIONS

LUNCH BREAK  
AUTOMATION  
USING THE  
PERFORMED  
OPERATIONS

Day I (29/3/2323)

The morning session was started with

Welcome speech Introduction to Robotics and Automation. Basics of Robotic like jogging operations (J1 to J6). Performing small operations.

The afternoon session was started

with Hands on jogging

operations

" (linear movements)

j1-j3

" (rotary movements)

j4-j6

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Bengaluru, Karnataka, India

Bengaluru, Karnataka, India

Video link:

<https://drive.google.com/file/d/1>

[Download: Model No. 2 & No. 4-011-F2 in NVE / class 2 - share link](#)

Total number of  
faculties attended  
are 4.

**Dr. Manjula C**

Ms. Seema V

Mr. Jaideep R

Ms. Nisha C Rani i  
**ca**

Total number of  
students attended are  
45.

Students list.



DEPARTMENT OF MECHATRONICS

ENGINEERING 6TH SEM

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		VISHNU	PRAJWAL.H.J
	10X20MT002	NARAYAN.K	SIGATURE
2	10X20MT003	MOHAMMED	
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10X21MT41	SIDDARTH S J KUMARN		

DEPARTMENT OF MECHATRONICS

ENGINEERING qRD SEM

SL NO	4	11
	5	12
		13
		14
3	10	15

USN	10X22MT404	SRIKANTH R	
10X21MT001	NAME OF THE	LIKITH N	
10X2IMTO02	STUDENT	SAM S	
10X21MTO03	ACHYUTHA SS	A SHAIK SULTHAN	Spbik
10X2IMTO04	AMIN FARAZ	HEMANTH C	
10X21MTOOS	AHMED	PRANAVM	
10X2IMT006	ANIRUDDH PRATAP	SIGNATURE	
10X21MT007	SINGH ESHU H R		
10X2IMTO08	GKMAANAS		
10X2IMT009	HARIPRIYA		PAanav
10X2IMTO10	KULKARNI		
10X22MT400	JANARDHAN Y V	A	
10X22MT401	MADHU CHANDAN		
10X22MT402	K CHARI SATWIK		
10X22MT403	BHATTACHARJEE		
16	GOUTAMD		
10X22MT405			
17 18	10X22MT407	AKSHAY KRIT	
10X22MT406	ROHITHN	K	

Day 2 (30/3/2323)

The morning session was started  
with Robotic programming

Explanation of program  
Entering The Program In Teach  
Pendent. " Saving, Running And  
Executing. Debugging Of  
Programme.

<https://drive.google.com/file/d/1bNiXZUHRmUtm9ym9LeGahSgNSrXnVKio/view?usp=s> here link

Total number of faculties attended are 4.

Dr.Manjula C

Ms.Seema V

keng

Mr.Jaideep R da

Ms.Nisha C Rani

Total number of students attended are 43.

Students list.

DEPARTMENT OF MECHATRONICS  
ENGINEERING 6H SEM

		10X20MMT001	10X20MTO04
SL NO	3		10X20MT005
	4	10X20MTO02	NAME OF THE
	5		STUDENT VISHNU
2	USN	10X20MT003	NARAYAN.K

MOHAMMED PRAJWAL.C  
MALHAN RABEET SHETTY  
PRAGNYA PRAJWAL.H.J  
RAGHUNANDAN SIGNATURE  
RAO

Mehom

L

10X20MTO06 ROHAN

KUMAR.S 6

7	10X21MT401	SOHAN SUNIL	HIREN RALPH
	10X21MT402	JAGJAMPI	FERNANDES
9	10X2IMT403	AKSHAY	KRUTIK KURI
10	10X2IMT404	DESHPANDE S	LIKHITHA LD
	10X2IMT405	A AKSHA Y	
		KUMARS	
12 13 14 15 16 17	10X2IMT406	AMRUTH MC	
18	10X2IMT407	BHANUPRASAD	
10X20MTO07	10X2IMT408	CHEZHAN G M	
10X20MTO08	10X2IMT409	DEEPAK NS	
10X2IMT400	JAYANTH.S	EBENEZER P	

ANuth Me

19 LIKITH K  
10X2IMT410|

20 21 22 23	10X2IMT413	MANTHAN A RAAGHUL S	
10X21MT411	10X2IMT414	JADAV NIKIL	
10X2IMT412	LOKESH S	R	Hantta
	10X2IMT415		
	SAGAR S		

24

25 26 6 SIDDARTH S  
10X21MT41 10X2IMT417 J SUHASB

10X21MT418 VARUN KUMARN

27

DEPARTMENT OF MECHATRONICS  
ENGINEERING 3RD SEM

USN

SL NO	10X21MT001
	10X2IMTO02
2	10X2IMTO03
3	10X2IMT004
4	10X2IMT005
	10X2IMTO06
	10X2IMTO07
6	10X21MTO08
7	10X2IMTO09
	10X2IMTO10
9	10X22MT400
10	10X22MT401
	10X22MT402
12	10X22MT403
13	10X22MT404
14	10X22MT405
15	
16	



NAME OF THE STUDENT	JANARDHAN Y V	HEMANTH C	Sikant. R
ACHYUTHA SS	MADHU	PRANAVM	
AMIN FARAZ AHMED	CHANDANK	GOUTAM D	
ANIRUDDH PRATAP	CHARI SATWIK	SIGNATURE	
SINGH ESHU HR	BHATTACHARJEE	AleA	lhenenthl
GKMAANAS	SRIKANTH R		
HARIPRIYA	LIKITH N		
KULKARNI	SAM S		
	A SHAIK SULTHAN		

Day 3 (3 1/3/2323)

The morning session was started  
with Performing Hands  
Operations

Box Operation

Video link:

<https://drive.google.com/file/d/lr3r2bMosLubKGE3qglKvUCpcdyRr3pAv/view?usp=sharelink>

<https://drive.google.com/file/d/lwgPRTEhIPs3NrrJqOSmfKI4b23KGIUE/view>



Total number of faculties attended are 4.

Dr.ManjulaC

Ms.Seema V

Mr.Jaideep R  
Ms.Nisha C eka  
Rani

Total number of students attended are 45.

Students list.

DEPARTMENT OF MECHATRONICS ENGINEERING 6H

SEM

SL NO	USN	NAME OF THE STUDENT	SIGNATURE
3	10X20MT001	VISHNU NARAYAN.K	MALHAN RABEET PRAGNYA RAGHUNANDAN RAO
	10X20MT002	MOHAMMED	

4 10X20MT004 PRAJWAL.C SHETTY

4

10X20MT005 PRAJWAL.H.J

6 10X20MT006 ROHAN KUMAR.S

6

10X20MT007 JAYANTH.S

10X20MT008 SOHAN SUNIL JAGJAMPI

10X21MT400 10 AKSHA Y 10X21MT401 AKSHAY

DESHPANDE S A KUMAR S

10X21MT402 BHANUPRAS

12

10X21MT403 AD

AMRUTH MC

13

CHEIHAN GM

10X21MT404

14

10X21MT406

DEEPAK NS

LIKHITHA LD

10X21MT407

EBENEZER P

LIKITHK

16 17 18 19

10X21MT408

HIREN RALPH

NS

10X21MT405

10X21MT409

FERNANDES

10X21MT410

KRUTIK KURI

10X21MT411

LOKESH S

20

21 22 23

10X21MT412

10X21MT414

10X21MT413

MANTHAN A

JADAV NIKIL R RAAGHUL S

SAGARS

24

10X21MT415

25

10X2IMT416 SIDDARTH SJ

IOX2IMT417 SUHASB

26

10X21MT418 VARUN KUMARN

27

DEPARTMENT OF MECHATRONICS ENGINEERING

3RD SEM

SL NO	17 USN	NAME OF THE STUDENT	PRANAVM GOUTAMD ROHITH SIGNATURE
	10X2IMTO01	ACHYUTHA SS	
	10X21MT002	AMIN FARAZ	
	10X2IMT003	AHMED	
3	10X2I MTO04	ANIRUDDH PRATAP	
4	IOX2IMT005	SINGH ESHU HR	ANis
	10X21MTO06	GKMAANAS	
6	10X2IMTO07	HARIPRIYA	
7	1OX2IMTO08	KULKARNI	
8	1OX2IMTO09	JANARDHAN Y V	
	10X21MTO10	MADHU CHANDAN	
10	10X22MT400	K CHARI SATWIK	Sattk
11	10X22MT401	BHATTACHARJEE	
12	10X22MT402	SRIKANTH R	
13	10X22MT403	LIKITH N	
14	10X22MT404	SAM S	Sa
	1OX22MT405	A SHAIK SULTHAN	Sluthan
16	1OX22MT405	HEMANTH C	

IOX22MT405 AKSHAY KRIT

Sample certificate

Children's Education Society  
THE OXFORD COLLEGE OF ENGINEERING, BANGALORE  
-560 068 (APproved by AICTE, New Delhi, Accredited by NBA,  
& Afillated to VTU, Belagavi-590 010)

CERTIFICATE OF PARTICIPATION

PROUDLY PRESENTED TO

**AMIN FARAZ AHMED**

FOR PARTICIPATION IN THREE DAYS WORKSHOP ON "ENTREPRENEURSHIP  
OPPORTUNITIES ON ROBOTICS AND AUTOMATION" ORGANIZED BY  
MECHATRONICS ENGINEERING, THE OXFORD COLLEGE OF  
ENGINEERING BANGALORE ON 29/3/2023 to 31/3/2023.

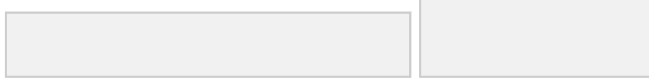
Dr.MANJULA C  
HOD  
Prof. & HOD  
PRINCIPAL  
PRINCIPAL

IIC CoöBINATOR

Department of  
Mechatronics The Oxford  
College Of Engineering  
Bommanahalli, Bangalore

The Oxford College  
Engineering Bommanahalli  
Hosur Road Bengaluru-00  
068

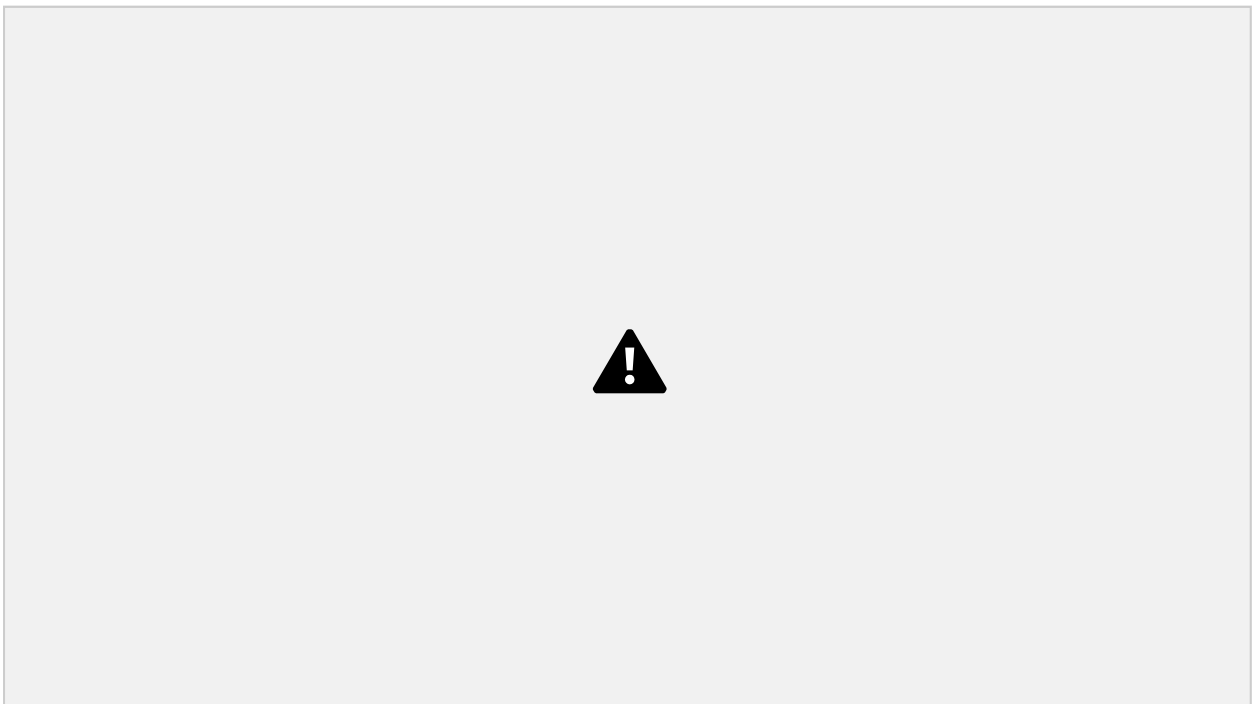
-560 053.



Children's Education Society ®  
**THE OXFORD COLLEGE OF ENGINEERING**  
Hosur Road, Bommanahalli, Bengaluru-560 068  
Website: [www.theoxford.edu](http://www.theoxford.edu)  
(Approved by AICTE, New Delhi, Accredited by NBA, NAAC, New Delhi & Affiliated to VTU, Belgaum)

## **DEPARTMENT OF MECHATRONICS ENGINEERING**

National Level Workshop on “**INNOVATION USING ROBOTICS SIMULATION USING ARDUINO UNO**”



Department of **Mechatronics Engineering** The Oxford college of Engineering, Bangalore ,

in association with Institution Innovation Council organized National Level workshop on “INNOVATION USING ROBOTICS SIMULATION USING ARDUINO UNO” by Mr. Niyamath on 4/7/2023. Mr. Niyamath FOUNDER THINKIN LAB is a tireless personal & Organizational goals oriented and a master planner, best at strategic decisions maker, number of participants attended are 86.

**Objective:**

Present session aims at highlighting the various opportunities in innovation using robotics simulation for societal issues.

- Robotics simulation is a digital tool used to engineer robotics based automated production systems.
- Functionally, robotics simulation uses digital representation a digital twin to enable dynamic interaction with robotics models in a virtual environment.
- Robot simulation is the most efficient way to validate any ideas, concepts and changes that may need to happen prior to the commissioning phase of a project.
- It enables the design process to take place in less time to meet customer’s timelines. The entire process can be tested before it’s built.
- Simulation allows you to explore ‘what if’ questions and scenarios without having to experiment on the system itself.
- It helps you to identify bottlenecks in material, information and product flows. • It helps you to gain insight into which variables are most important to system performance.

**Schedule of the workshop**

DATE	TIME	TOPICS
4/7/2023	10:00AM – 11:00AM	<ul style="list-style-type: none"> <li>• WELCOME SPEECH</li> <li>• INTRODUCTION TO ROBOTIC SIMULATION</li> </ul>
	11:00 AM – 1:00PM	<ul style="list-style-type: none"> <li>• BASICS OF ELECTRONICS ENGINEERING</li> <li>• COMPONENTS USED</li> <li>• TINKERCAD CODING ENVIRONMENT</li> <li>• BUILDING OUR FIRST PROJECT</li> <li>• INTERFACING BUZZER WITH ARDUINO</li> <li>• LED CHASER CIRCUIT</li> </ul>

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Registration link

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Google meet link

<https://meet.google.com/tvC-omnw-wur>

Feedback link

[https://docs.google.com/forms/dle/1FAIpQLSdsuQcwWofG4CFw7YWYxYBNSZVXgb-](https://docs.google.com/forms/dle/1FAIpQLSdsuQcwWofG4CFw7YWYxYBNSZVXgb-ronPKe7amzRrOvziSw/viewform)

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Facebook link

<https://www.facebook.com/photo/?fbid=283482790870438>

[& set=a.177418398143545](https://www.facebook.com/photo/?fbid=283482790870438) Video link

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[b673kWSeQdn4WZxA YV/view?usp=s](https://drive.google.com/file/d/1hCMLmOhNiszmyQ)

Participants

attended

SEEMA V	Faculty	Bangalore G.Venkataswamy	engineering and
Akshay Krit. K	Student	Naidu Colege	technology Kamaraj
Mr.KManikandan	Student	kovilpatti <sup>KL</sup>	College <sup>of</sup>
Dr.R.D.SATHIYA	MECHATRONICS ENGINEERING	UNIVERSITY	Engineering
Rahul.G	Mechatronics	kamaraj college <sup>of</sup>	
SHANMUGHA PRIYA	Information	Engineering and	Harshta KM
R. K.	Technology	Jai	Kishourekumar D
Bhuvaneshwaran	CSA	Shriram	Mrs V Subathra
Dr. K Kannan	Mechatronics	Engineering	R Veeralakshmi
Mahesh Praveen J	Computer Science and	College Kamaraj	Mrs V SELVARANI
KSakthibala	Engineering	college of	Neera Gautam
Faculty	Mechatronics	engineering and	Deept Ra
Student	Engineering	technology	N Gown
Faculty	Mechatronics	KAMARAJ College	K SAKTHIBALA
FACULTY	THE OXFORD	of	
Student	COLLEGE OF	Engineering and	Gunaseelan
Assistant Professor	ENGINEERING	Technology <sup>Nehru</sup>	ANANDAKRISHNAN V
Student	BANGALORE The	Institute <sup>of</sup>	PRAVEENA R
	Oxford College of		
	Engineering,		

C VEERANAN	Student	engineering Mechatronics Engineering	Kamaraj College of Engineering and
K SWAMINATHAN	FACULTY Student	Information Technology	Technology THE Oxtord College of Engineering
Madhu Chandan K Chari	Student	Mechatronics	Kamaraj college of
ESHU HR	Student	Mechatronics	engineering and
Rohth N	Faculty	Mechatronics	technology
PARIMALADEVI R	Faculty	Mathematics	Jaishriram Engineering College
ARTI MANMADKAR	Teacher	Science	Kamaraj College Of Engineering And Technology
Anushka Charudatta Gangakhedkar	Faculty	Maths	perunthalaivar
Pradnya Kudale	Faculty	Social Science	kamarajar institute of
Dr S PVjayaragavarn	Faculty	EEE	engineering and technology
Yoginl Sachin Tathe	Engineering Electronics and telecommunication Mechatronics	Teacher and Technology	The Oxford College of Engineering
Student	Engineering	Dr Ambedkar institute of technology	The Oxford College of Engineering
Student	Infomatlon Technology	Kamaraj college of engineering and technology	The Oxford college of engineering
Faculty	Informatlon Technology		A.V.P. College ofarts and SCience
Faculty Assistant Professor	Infomation Technology Mechanical Engineering	G Venkataswarny Naidu College	Arihant Public School Pandharpur
Faculty	EED	GVN college	Arihant Public School Pandharpur
Asst Prof Faculty	Information Technology	G VENKATASWAMY NAIDU COLLEGE	Arihant Public School Pandharpur
Student	Mechatronics Engineering	Acropolis Institute of Technology and Research, Indore	Bharath Institute of Higher Education and
student	MECHATRONICS	SGSITS INDORE MP	Research
Student	Mechatronics Engl neering	G venkataswamy Nadu College	Arihant Public School Pandharpur
Faculty	Computer science		



Banwls

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Arati Khatavkar

Seema Tendulkar

Haripriya k

R MEENA SRI

ASHWINI BHARAT  
DESHMANE

Sanika Sachin Dindore

Ashwini Balraj Chavan Vidya Sachin Zade



Reshma Mandar	Arts	Primary	Arihant Public School Pandharpur
Kulkarni Pranav M	Arts	Primary	Arihant Public school Pandharpur
GoutamD	Faculty	Primary	Arihant Public School,Pandharpur
Mr. Vaibhav Vinayak Jadhav	Faculty Student	Mechatronics Mechanical	Arihant public school The Oxford College of Engineering
Manisha Balaso Raut	Student	Hindi	The Oxford College of Engineering
Manisha Balaso Raut	Student	Hindi	The Oxford College of Engineering
Asha Prashant Bavale	ARTS	Preprimary	Arihant Public School, Pandharpur
ACHYUTHA S S	Pri-primary teacher Teacher	Pri-primary Marathi	Arihant public school pandharpur Arihant
Nirmala Nilesh Kumbhar	Teacher	MECHATRONICS	public school
Kanchan Ajay Dandade	STUDENT	Science	pandharpur
Rupali Ashok	Teacher	English	Arihant Public School
Kshirsagar	Tr	Primary	The Oxford College of Engineering
Shubhangi Prashant	Education Teacher	School	Arihant Public School pandharpur
Patre Seema Nilesh	Faculty	Science	Arihant public school
Ghodke Janardhan y v	Student Primary	Mechatronics	Arihant Public School Arihant Public School Pandharpur
Rupali Yogesh Phalake Teacher	Mechatronics	Arihant Public School The Oxford college of engineering	Arihant public schools, Pandharpur
STUDENT Faculty	English	Arihant Public School Pandharpur	The Oxford College of engineering
Faculty	Mathematics	AVP. COLLEGE OF ARTS AND SCIENCE	Arihant Public School
Faculty	Mathematics	Arihant Public School, Pandharpur	Arihant Public School
	English Teacher	Pandharpur	
	Arihant Public	School	

tanujatonape1992@gmail. com English  
Cbse  
WEBINAR 85 responses

Dipali Maloji

Gaikwad. Er. 60

DEEPAK TIWARI 40

DSK

Primary 20

ENGINEER 0 (0%)

Marathi ET &T 1

Arihant Public School

19 (22.49%)

Manishanagar, 1 (12%) 2

7 (8.29%)

Pandharpur.

3

RAIPUR,

CHHATTISGARH

Feedback

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PRESENTATION OF  
CENTENTS 85  
responses

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FEEDBACK \$5

5

responses

80

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16 (18.8%) 4

22 (25.9%)

40

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20

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62 (129%)

O Copy 55 (64.7%)

5 (59%) 3

THE OXFORD COLLEGE OF ENGINEERING, BENGALURU  
(Approved by AICTE, New Delhi. Accredited by NAAC  
'A' GRADE BA & AGIated to VTU, Belagavi-590 018

### Sample certificate

INSTITUTIONS NOVATION

Children's Education Society

This is to certify that CHETHAN R has Participated In Online National Level Workshop On "DESIGN THINKING OPPORTUNITIES IN ROBOTICS sIMULATION USING ARDUINO UNO WITH TINKERCAD" Organized By Mechatronics Engineering TOCE Bengaluru In Association With IIC On 4/M/2023.

Dr. BINDHU MADHAVI  
THE OXrORD COLLE OE of ENGINEERING  
Dr. N. KANNAN  
PRINCIPAL & PRE SIDENT IC  
THE OXFORO COLLEOE OF ENOINEERINGO

IC CONVERNER

COrRDINATOR

HOD

Inc

VgRNER

PRINCOPAL

IIC

Prof.s& HOD  
Department of  
Mechatronics The Oxford  
College Of Encin n9  
Bomnlanahalli, Bananl

Collepe<sup>of</sup> Engineering

Bommanehall), Hosur

Road Bengaluru-560 068

the Oxford

PRINCIPAL

(O THE OXFORD COLLEGE

OF ENaINE ERING

(Approved by AICTE, New Delhi, Accredited by  
NBA, NAAC, New Delhi & VTU,  
Belgaum) Affiliated to

DEPARTMENT OF  
MECHATRONICS  
ENGINEERING

2  
Days



Workshop on "DESIGN THINKING OPPORTUNITIES IN MACHINE  
DRAWING AND GD&T USING FUSION 360"

Children's Education Society  
COLLEGE (Belagavi-590 018)  
THE OXFORD  
OF ENGINEERING, BANGALORE -560 068  
(Approved by AICTE, New Delhi, Accredited by IEEE WGADS  
NBA, NAAC A GRADE & Affiliated to VIU, SO)

Chief Patron  
Sri S.N.V.L.Narasimha Raju

Convener  
**President**  
The Oxford Educational Institutions

Resource Person  
Mr. Maruthi  
DESIGN ENGINEER  
MEDINI TECHNOLOGIES  
BANGALORE.

**Department of  
Mechatronics Engineering**  
in Association with IIC

Patron  
Dr. N. Kannan  
**Principal & President**  
The Oxford College of  
Engineering

Dr. Manjula  
Associate Professor & HOD  
**Mechatronics Engineering**

**Organizing 2 Days  
Workshop on DESIGN**

IC Convener  
Dr. Bindhu Madhavi  
The Oxford College of Engineering  
GD&T USING

IIC Member  
**Mr. Jaideep R**  
Asst. Professor  
Department of Mechatronics  
Engineering

**THINKING  
OPPORTUNITIES IN  
MACHINE DRAWING AND  
IEEE Robotics &**

The Oxford college of Engineering, Bangalore, Institution Innovation Council in  
association with Department of Mechatronics Engineering organized  
workshop on 2 Days Workshop on "DESIGN THINKING OPPORTUNITIES  
IN MACHINE DRAWING AND GD&T USING FUSION 360" by Mr. Maruthi on  
30/6/2023 to 1/7/2023.

Mr. Maruthi is an Design Engineer with high drive, high energy level, achievement-oriented, tireless in the  
pursuit of personal & Organizational goals, he has also trained more industrial  
of the  
workshop

DATE SL. NO	TIME Schedule	TOPICS
30/6/2023	10:00AM - 11:00AM	SOFTWARE  INSTALLATION OF SOFTWARE  BASIC SKETCHES  LUNCH BREAK
1/7/2023	11:00 AM - 1:00PM	10:00AM 11:30AM
	2:00 PM - 5:00 PM	11:30AM - 1:00PM WELCOME SPEECH INTRODUCTION TO FUSION 360
		HANDS ON SKETCHES USING NECESSARY TOOLS

PART MODELLING OF SCREW JACK SHEETMETAL LUNCH BREAK  
HANDS ON  
OF MACHINE VICE.  
HANDS ON DRAFTING OF PART  
PART MODELLING SURFACING, MODELS  
3 2:00 PM-5:00 HANDS ON DRAFTING OF PART  
PM MODELS DOUBTS SESSION  
VOTE OF THANKS

Outcomes:

Day 1 (30/6/2023)

The morning session was started with

Welcome Speech

Introduction To Fusion 360

Software Basic Sketches



The afternoon session was started with Photos  
Hands On Sketches Using Necessary  
Tools and techniques " Part Modelling Of  
Machine Vice components

RGPS Map Camera

G Lat 12.901929° 30/06/23 10:19 AM GMT +05:30 Lot 12.89884°  
Long 77.630056 30/06/23 10:10 AM rk Long 77.6316170  
30/06/23 11:09 AM GMT +06:30  
GMT +05:30

Soogle oogle

Soogle

Bengaluru, Karnataka, India

Alpine, Salarpurla Greonage,  
Bommanahalli, Bengaluru,  
Karnataka 560068, India

BGPS Map Camera

Bengaluru, Karnataka, India

Junipor 'B' Wing, 1903, Salarpuria Sattva  
Greenage, Hongasandra, Bengaluru,  
Karnataka 56006a, India Lat  
12.902026°  
Long 77630286°

Yeng dr Ro

Soogle

Bengaluru, Karnataka, India  
VIXJ+GJG, Garvetbhavi Palya, Bengaluru,  
Karnataka 580068, India

AGPS Map Camera

Bengaluru, Karnataka, India

16, Hosur Rd, near Shel,  
Bandepalyo, Bommanahali,

Bengaturu, Karnataka 500068, India  
Lat 12.900829°

Long 7763341a

30/06/23 02:51 PM GMT +05:30

Total number of faculties attended are

5. Dr.Manjula C

Dr.Madhura S

Ms.Seema V

Mr.Jaideep R

Ms.Annu Kumari

Total number of students attended are

45. Students list.

SL NO	10X2IMT005	10X22MT406
12	10X21MTO06	NAME OF THE
13	10X21MTO07	STUDENT
3	10X2IMTO08	ACHYUTHA SS
4	10X2IMTO09	AMIN FARAZ
	10X21MTO10	AHMED
6	10X22MT400	ANIRUDDH
7	USN	PRATAP SINGH
8	10X2IMT001	ESHU H R
	10X2IMT002	GKMAANAS
10	10X2IMTO03	HARIPRIYA
	10X2IMTO04	KULKARNI



JANARDHAN YV GOUTAMD  
MADHU ROHITHN  
CHANDAN K SIGNATURE  
CHARI SATWIK  
BHATTACHARJEE Amln Abud  
SRIKANTH R  
LIKITH N  
SAM S  
A SHAIK SULTHAN  
HEMANTH C  
PRANAVM

HcMant

aik

10X22MT407  
AKSHAY KRIT K

18

Day 2 (1/7/2023)

The morning session was started  
with Part Modelling Of Screw Jack  
Hands On Surfacing,  
Sheetmetal Hands On  
Drafting Of Part Models

The afternoon session was started  
with Hands On Drafting Of  
Part Models Doubts Session  
Photos

AOPS Map Camera  
Bengaluru, Karnataka, India

plne, Salarnnn, idia  
Karnataka5<sup>Lat</sup> at 12.901850

0v0723 09:50 AM GMT +05:30

GPS Map Comera

Long 77.02996  
Bommanahali, Berngaluru,  
Bengaluru, Karnataka, India

Long 77.029897  
o/07/23 09:48 AM GMT +05:30

Alpine, Salarpuria Greenage,  
Bommanahatli, Bengaluru, Karnataka  
560008, India

AGPS Map Camera

boogle  
Lat 12.901674

AB1502 Salarpuria satva Greenage  
Bommanhall,, Hosur Rd, Hongasandre,  
Bengaluru, Karnataka 500000, India Lat  
12.901874  
Long 77630194°

01/07/23 11:32 AM GMT +05:30

GPS Map Camera

AB1502 Salarpuria satva  
Groenago Bommanhal, Hosur Rd,  
Hongasandra, Bengaluru, Karnataka  
60006e, India Long  
Lot 12.901963

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01/07/23 11:33 AM GMT +05:30

9oogle  
Bengaluru, Karnataka, India

boogle

Bengaluru, Karnataka, India

Total number of faculties attended are 5.

Dr.Manjula C

Dr.Madhura S

Ms.Seema V

Mr.JaideepR

Ms.Annu Kumari

Total number of students attended are 45.

DEPARTMENT OF MECHATRONICS  
ENGINEERING 6TH SEM

SL NO 2	1OX20MT002	MOHAMMED MALHAN RABEET	ralan
USN	1OX20MT003	PRAGNYA RAGHUNANDAN	
10X20MT0001	NAME OF THE STUDENT	VISHNU SIGNATURE	
	NARAYAN.K		
	IOX20MT004	SIETTY PRAJWALC	
	IOX20MT005	PRAJWALHJ	1OX20NMTO06 ROHAN KUMAR.S
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	1OX20MT008	SOHAN SUNIL	
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DEPARTMENT OF MECHATRONICS  
ENGINEERING 4H SEM

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	PRATAP SINGH		SULTHAN
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3	GKMAANAS		PRANAV M
4	HARIPRIYA		GOUTAM D



Video  
Link

<https://drive.google.com/file/d/ILucelHBjLPBIpQ2 BS36mq SrwwFSAY8elview ?usp=sha>

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Facebook link

[https://www.facebook.com/photo/?](https://www.facebook.com/photo/?fbid=281132097772174&set=a.177418398143545)

fbid=281132097772174&set=a.177418398143545 Sample certificate

Children's Education Society  
THE OXFORD COLLEGE OF ENGINEERING, BENGALURU INNOVATION COUNCIL  
(Approved by AICTE, New Delhi Accredited by NAAC 'A'  
GRADE NBA & AMWated to VTU, Betagavi-590 018

This is to certify that AISHWARIYA R has Participated In 2 Days Workshop On "DESIGN THINKING OPPORTUNITIES IN MACHINE DRAWING AND GD&T USING FUSION 360" Organized By Mechatronics Engineering TOCE Bengaluru In Association With IC On 30/6/2023 & 1/7/2023

THE OXFORD COLLEGE OF ENGINEERING **JI ONWEXNER**

we CONVERNER  
Dr. BNDHU MADHAVI  
THE OXFORD COLLEGE OF ENGINEERING

HOD

Dr. N. HANNAN  
PRINCIPAL & PRESIDENT

**Prof. HOD**  
Department of Mechatronics  
The Oxford College Of  
Engineering Bommanahalli,  
Bangalore 560 068.

PRINCIPAL

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**Hosur Road, Bommanahalli, Bengaluru-560 068**

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## **DEPARTMENT OF MECHATRONICS ENGINEERING**

### **2 Weeks FDP on “Robotics and Automation”**



Department of **Mechatronics Engineering & Mechanical Engineering** The Oxford college of Engineering, Bangalore organized 2 weeks FDP on “**Robotics and Automation**”.

Robotics is a branch of engineering that involves the conception, design, manufacture and operation of robots. The objective of the robotics field is to create intelligent machines that can assist humans in a variety of ways. Robotics can take on a number of forms.

#### **Schedule of the FDP**

##### **Week 1**

<b>Day/dates</b>	<b>Session</b>	<b>Resource person</b>	<b>content</b>
<b>Day 1</b> 15/5/2022	<b>FN</b>	<b>Mr. Nandhagopal</b> <b>Application Engineer</b>	<b>Welcome Speech</b> <b>Introduction To</b> <b>Robotics And</b> <b>Automation</b>
	<b>AN</b>	<b>Mr. Tippu Application</b> <b>Engineer</b>	<b>Basics Of Robotics</b> <b>(Jogging Operations)</b> <b>J1 To J3 (Linear</b> <b>Movements)</b>
<b>Day 2</b> 16/5/2022	<b>FN</b>	<b>Mr. Nandhagopal</b> <b>Application Engineer</b>	<b>Basics Of Robotics</b> <b>(Jogging Operations)</b> <b>J1 To J6 (Rotary</b> <b>Movements)</b>
	<b>AN</b>	<b>Mr. Tippu Application</b> <b>Engineer</b>	<b>Hands On Jogging</b> <b>Operations</b>
<b>Day 3</b> 17/5/2022	<b>FN</b>	<b>Mr. Nandhagopal</b> <b>Application Engineer</b>	<b>Explanation Of Program</b>

	AN	Mr. Tippu Application Engineer	Explanation Of Program
Day 4 18/5/2022	FN	Mr. Nandhagopal Application Engineer	Entering The Program In Teach Pendent.
	AN	Mr. Tippu Application Engineer	Entering The Program In Teach Pendent.
Day 5 19/5/2022	FN	Mr. Anas Pasha junior Engineer	Saving, Running And Executing
	AN	Mr. Tippu Application Engineer	Debugging Of Programme
Day 6 20/5/2022	FN	Mr. Anas Pasha junior Engineer	Understanding The Concepts And Performing Small Operations.