

**Two days' Workshop on Industrial Automation using Arduino and Raspberry Pi-  
Entrepreneurship**

**Vimal Jyothi Engineering College**

**Date: 24 – 25, October 2019**

**Venue: Vimal Jyothi Engineering College (VJEC)**

Two days' Workshop on Industrial Automation using Arduino and Raspberry Pi

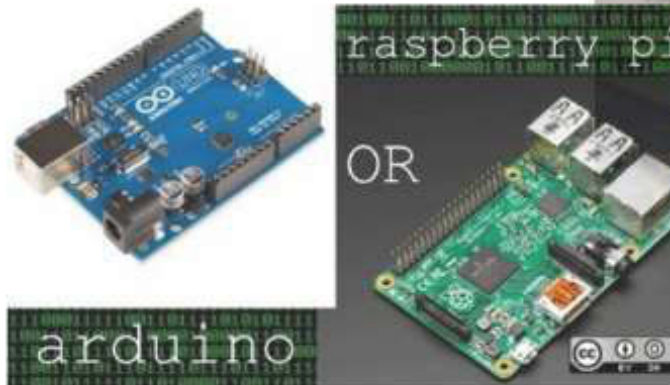


DEPARTMENT OF E&I

TWO DAYS WORKSHOP  
on  
Industrial Automation Using  
Arduino & Raspberry pi

By Bitsforge Embedded Systems

24-10-2019 to 25-10-2019



COORDINATORS

Mr Shinu MM  
Ms Shamy A



Setting the Standard for Automation™

## **Introduction:**

The Department of Applied Electronics and Instrumentation at Vimal Jyothi Engineering College organized a two-day workshop on Industrial Automation using Arduino and Raspberry Pi, with a focus on entrepreneurship. Held on October 24th and 25th, the workshop aimed to equip participants with practical skills in industrial automation while fostering an entrepreneurial mindset among the attendees.

### **Day 1:**

The workshop commenced with an inaugural session presided over by the department head, wherein the significance of industrial automation in the contemporary industrial landscape was emphasized. Distinguished guests from the industry and academia shared their insights on the integration of technology and entrepreneurship, setting the tone for the workshop.

Following the inaugural session, participants engaged in hands-on sessions where they were introduced to Arduino and Raspberry Pi boards. Led by experienced faculty members, the sessions covered the basics of programming, interfacing sensors and actuators, and designing automation systems using the two platforms. Participants actively participated in practical exercises, gaining proficiency in hardware integration and software development.

In parallel sessions, guest speakers shared their entrepreneurial journey, highlighting the challenges they encountered and the strategies they employed to establish successful ventures in the field of industrial automation. Their experiences provided valuable inspiration and guidance to the participants, encouraging them to explore entrepreneurial opportunities in the domain.

### **Day 2:**

The second day focused on advanced topics and practical applications of industrial automation using Arduino and Raspberry Pi. Participants worked on mini projects under the guidance of faculty mentors, applying their knowledge to automate various industrial processes such as monitoring, control, and data acquisition.

Technical sessions on machine learning for predictive maintenance, IoT integration, and cloud-based automation solutions were conducted by industry experts, providing participants with insights into emerging trends and technologies in the field. The sessions were interactive, allowing participants to clarify doubts and seek guidance on specific topics of interest.

The workshop concluded with a panel discussion on entrepreneurship in industrial automation, featuring successful entrepreneurs and industry leaders. The panellists shared valuable perspectives on identifying market opportunities, developing business models, and overcoming challenges in entrepreneurship. Participants actively engaged in the discussion, seeking advice and networking opportunities to pursue their entrepreneurial aspirations.

## **Conclusion:**

The Two-Day Workshop on Industrial Automation using Arduino and Raspberry Pi - Entrepreneurship organized by the Department of Applied Electronics and Instrumentation at Vimal Jyothi Engineering College was a resounding success. Participants gained practical skills in industrial automation while also being inspired to embrace entrepreneurship in the domain. The workshop served as a platform for knowledge sharing, networking, and collaboration between academia and industry, fostering innovation and entrepreneurial spirit among the participants. Moving forward, it is imperative to sustain the momentum generated by the workshop and provide continued support to aspiring entrepreneurs in realizing their visions in the field of industrial automation.

## Event Proposal Form

rajmreddy@vsnl.com

Tue, Sep 29, 2019 at 2:41 PM

Thanks for filling out Event Proposal Form

Here's what we got from you:

### Event Proposal Form

Events is an hands on workshop of PCBs and to bridge the gap between curriculum and the PCBs

Your email address (rajmreddy@vsnl.com) was recorded when you submitted this form.

#### Event type and name \*

Training Programs - Involving curriculum using Arduino and Raspberry Pi

#### Date of event \*

October 11, 2019

#### Time of event \*

09:00 AM

#### Target audience/ Participants \*

60 & 30-40

#### Venue \*

AET RESEARCH LAB

#### Objectives \*

To provide an opportunity for students to enhance their skills in Embedded system

#### Expected outcomes \*



Completion of their learning, students will be able to use the knowledge along with embedded system and can develop socially relevant projects.

**Connected PEOs/POs/COs \***

PEO 1,3  
PO 1,2,3,7 & 12  
PSO 1,2

**Resource requirements \***

1. RJ RESEARCH LAB
2. PC ASSISTANCE SYSTEM
3. UPS POWER SUPPLY
4. PROJECTORS
5. WHITE BOARD

**Any other relevant information \***

Total budget charge for the program - 18000

**Responsible persons \***

SHARDA K. S. SHINDE MS

**Proposal prepared by \***

SHARDA MS

Sharda  
24/11/19

**Department \***

EE

**Recommended by \***

Hemant Mahale

Hemant Mahale  
24/11/19

Create your own Google Form

Sharda  
24/11/19

Sharda  
24/11/19

Budget Allocation:

Fee : 13500/-

Certificate : 800/-

Brochure : 200/-

Total : 14500/-

# VIMAL JYOTHI ENGINEERING COLLEGE

ELECTRONICS AND INSTRUMENTATION DEPARTMENT

TWO DAYS WORKSHOP ON

INDUSTRIAL AUTOMATION USING ARDUINO AND RASPBERRY PI

(24,25/10/2019)

Sl NO	NAME	24/10/2019(FN)	24/10/2019(AN)	25/10/2019(FN)	25/10/2019(AN)
1	ADITH AIAY	[Signature]	[Signature]	[Signature]	[Signature]
2	ASWIN CHAND TP	[Signature]	[Signature]	[Signature]	[Signature]
3	ATHUL T P	[Signature]	[Signature]	[Signature]	[Signature]
4	BINSHITH BABU	[Signature]	[Signature]	[Signature]	[Signature]
5	JISS GEORGE	[Signature]	[Signature]	[Signature]	[Signature]
6	KARTHIKA S	[Signature]	[Signature]	[Signature]	[Signature]
7	MAHSUFA	[Signature]	[Signature]	[Signature]	[Signature]
8	SANJAY P T	[Signature]	[Signature]	[Signature]	[Signature]
9	SREYA P	[Signature]	[Signature]	[Signature]	[Signature]
10	SEBASTIAN JACOB	[Signature]	[Signature]	[Signature]	[Signature]
11	SNEHA JOSE	[Signature]	[Signature]	[Signature]	[Signature]
12	Adarsh P	[Signature]	[Signature]	[Signature]	[Signature]
13	Ashik B	[Signature]	[Signature]	[Signature]	[Signature]
14	Abhijith P	[Signature]	[Signature]	[Signature]	[Signature]
15	VISHNU RAJ	[Signature]	[Signature]	[Signature]	[Signature]
16	AMAL RAJ P	[Signature]	[Signature]	[Signature]	[Signature]
17	ANU SAJEEV	[Signature]	[Signature]	[Signature]	[Signature]
18	JINCE JOSEPH	[Signature]	[Signature]	[Signature]	[Signature]
19	JOICE JOY	[Signature]	[Signature]	[Signature]	[Signature]
20	MATHEW SEBASTIAN	[Signature]	[Signature]	[Signature]	[Signature]
21	ROBIN JOSE	[Signature]	[Signature]	[Signature]	[Signature]
22	SONIMA RAJEEVAN	[Signature]	[Signature]	[Signature]	[Signature]
23	ABHISHEK K	[Signature]	[Signature]	[Signature]	[Signature]
24	AKSHAY P	[Signature]	[Signature]	[Signature]	[Signature]
25	ANANDHU PRAKASH	[Signature]	[Signature]	[Signature]	[Signature]
26	JIS MATHEW	[Signature]	[Signature]	[Signature]	[Signature]
27	PRANAV C	[Signature]	[Signature]	[Signature]	[Signature]
28	SARATH CHANDRAN	[Signature]	[Signature]	[Signature]	[Signature]
29	SREEHARI	[Signature]	[Signature]	[Signature]	[Signature]
30	VISHNU MT	[Signature]	[Signature]	[Signature]	[Signature]
31	VIVER C	[Signature]	[Signature]	[Signature]	[Signature]
32	YADULEKH J	[Signature]	[Signature]	[Signature]	[Signature]
33	Vishnu KK	[Signature]	[Signature]	[Signature]	[Signature]
34	Akshay K	[Signature]	[Signature]	[Signature]	[Signature]

# FEEDBACK ON workshop on arduino and raspberry pi

Questions Responses 25

## 25 responses

Accepting responses

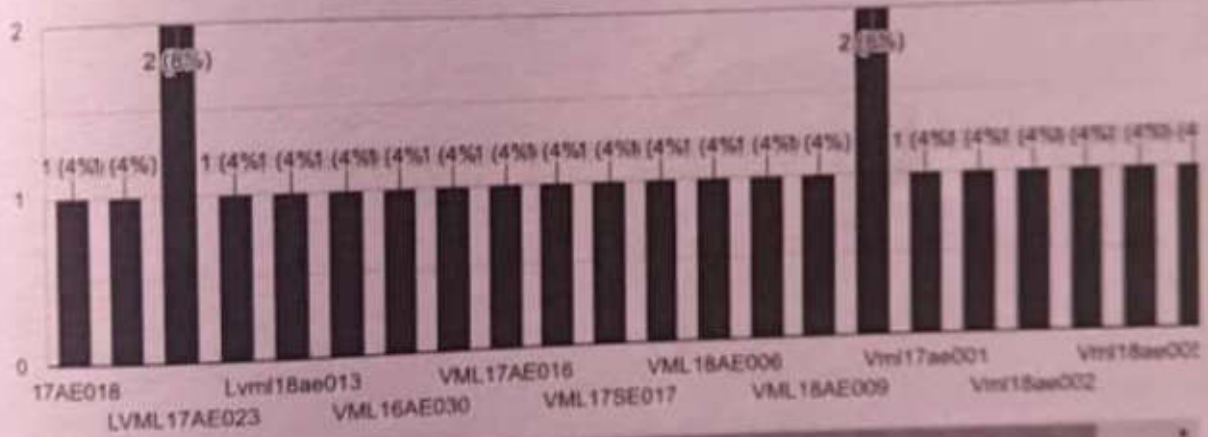
Summary

Question

Individual

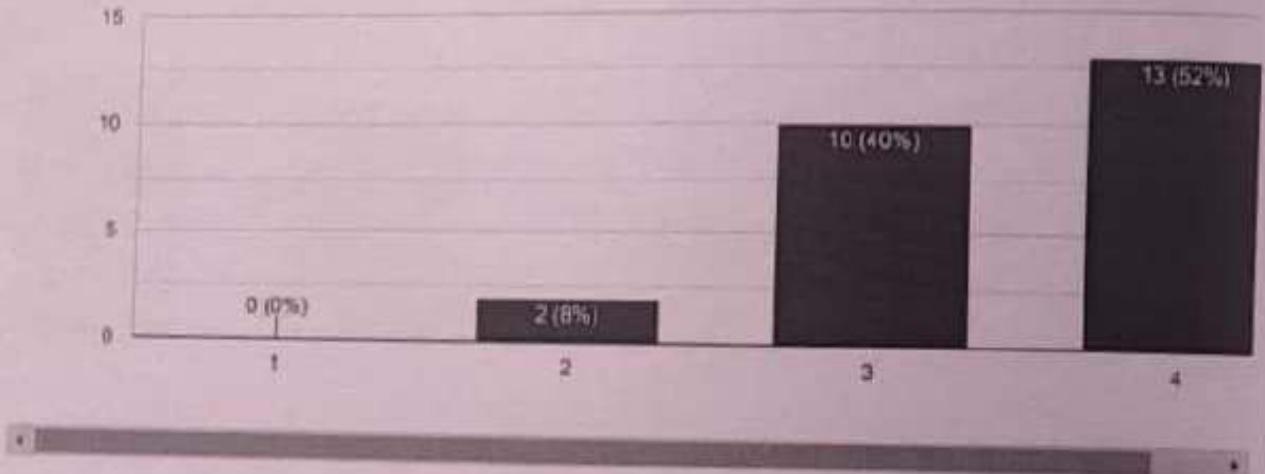
### Register Number

25 responses



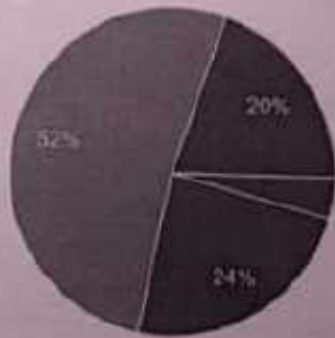
The workshop increased my knowledge and skills in arduino and raspberry pi

25 responses



How do you rate the workshop organization?

25 responses



- Satisfactory
- Good
- Very Good
- Excellent

## Certificate Sample:



**Workshop on Creo Modelling Software- Entrepreneurship**  
**Vimal Jyothi Engineering College**

**Date: 26 – 27, October 2019; 13 – 15, November 2019**

**Venue: Vimal Jyothi Engineering College (VJEC)**



## Workshop on Creo Modelling Software





**DEPARTMENT OF MECHANICAL ENGINEERING**

# SAEINDIA

Society of Automotive Engineers INDIA

Collegiate Club of Vimal Jyothi Engineering College

organizes

## 5 Days workshop on



creo®

**DATE :** 26,27 Oct. 2019 & 13,14,15 Nov 2019  
(9:00 AM TO 4:10 PM)

**VENUE :** CAD LAB

**In association with**



An ISO 9001:2015 Certified Company

Programme coordinator :  
Jestin.C.Jose (Assistant Professor ,ME)

VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI  
DEPARTMENT OF MECHANICAL ENGINEERING  
5 DAYS WORKSHOP ON CREO MODELLING SOFTWARE  
ATTENDANCE SHEET

Sl. No.	STUDENT'S NAME	26-10-2019	27-10-2019	13-11-2019	14-11-2019	15-11-2019
1	JITHUN K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
2	ABHIRAJ ASHOK P V	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
3	AKASH RAJ	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
4	GOKUL S	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
5	ADARSH MOHAN	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
6	THOMAS A SUNNY	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
7	VISENDU S T V	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
8	SREERAG V V	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
9	ALEN JOSEPH	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
10	ARJUN T	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
11	PRINCE PRSAD	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
12	AJAL V	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
13	EDWIN SHIBU	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

*[Signature]* 26/10/19      *[Signature]* 27/10/19      *[Signature]* 13/11/19      *[Signature]* 14/11/19      *[Signature]* 15/11/19

## **Introduction:**

The Department of Mechanical Engineering at Vimal Jyothi Engineering College organized a comprehensive workshop on Creo Modelling Software with a special focus on entrepreneurship. The workshop took place offline on October 26th, 27th, and November 13th, 14th, 14th, 2019, from 9:00 AM to 4:10 PM. It aimed to equip participants with practical skills in Creo software while nurturing an entrepreneurial mindset among future engineers.

## **Workshop Overview:**

The workshop spanned five days and covered various aspects of Creo Parametric, a leading 3D CAD software widely used in engineering design and manufacturing. Participants were guided through both basic and advanced features of Creo, enabling them to create complex 3D models and simulations.

### **Day 1 and 2 (October 26th and 27th):**

The initial two days of the workshop were dedicated to introducing participants to the fundamentals of Creo software. Seasoned instructors provided hands-on training, covering topics such as sketching, part modeling, assembly modeling, and drawing generation. Participants actively engaged in practical exercises, gaining proficiency in basic CAD modeling techniques.

### **Day 3, 4, and 5 (November 13th, 14th, 14th):**

The subsequent three days focused on advanced functionalities of Creo software, including surface modeling, sheet metal design, and mechanism simulation. Through interactive sessions and live demonstrations, participants delved deeper into the capabilities of Creo, learning how to tackle complex design challenges and optimize engineering workflows.

## **Entrepreneurship Sessions:**

In addition to technical training, the workshop featured dedicated sessions on entrepreneurship tailored for mechanical engineering students. Experienced entrepreneurs and industry professionals shared their insights and success stories, emphasizing the importance of innovation, market research, and business acumen in the engineering domain. Participants were encouraged to explore entrepreneurial opportunities and apply their Creo skills to real-world problem-solving.

## **Conclusion:**

The Workshop on Creo Modelling Software - Entrepreneurship conducted by the Department of Mechanical Engineering at Vimal Jyothi Engineering College provided participants with a valuable blend of technical expertise and entrepreneurial guidance. By mastering Creo software and gaining insights into entrepreneurship, participants were equipped to navigate the intersection of technology and business in the engineering field. Such initiatives play a crucial role in shaping the future of engineering education and fostering innovation-driven entrepreneurship among students.



SI NO.	STUDENTS NAME	26-10-2019	27-10-2019	13-11-2019	14-11-2019	15-11-2019
14	SREERAG A	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
15	ABHINAV P V					
16	ASHWIN PRADEEP POTHAN	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
17	VAISHAGH MENON	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
18	SAVINAY C MOHAN	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
19	ASWIN T ARAVIND	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
20	PRAVEEN K V	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
21	AMAL BHASKARAN	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
22	AKHIL BHASKARAN	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
23	HARIPRASAD B	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
24	ANOKHEAL CHENGUNIVERTHI	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
25	SEBASTIAN N C	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
26	THEJUS K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
27	ASISH K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
28	ASWINRAJ T V	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
29	NIKHIL PV	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
30	RITHIK LAL	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
31	SHARATH K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

*[Handwritten Signature]*  
15/11/19

SI NO.	STUDENTS NAME	26-10-2019	27-10-2019	13-11-2019	14-11-2019	15-11-2019
32	AMAL VM	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
33	UJWAL KUMAR P K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
34	EBIN JOSEPH	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
35	ATHUL NANDANAN P	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
36	AMARA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
37	DHEERAJ RAVINDRAN	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
38	AMITH P	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
39	ASWIN KV	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
40	YADUKRISHNAN N V	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
41	AMALDEEP C	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
42	VIVEK M K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
43	JISHNU A	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
44	ALEN JOE MANUEL	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
45	AMAL BABU	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
46	K SIBIN SIVAN	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
47	RANDHIR DINESH	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
48	JOBIN GEORGE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

*[Handwritten Signature]*  
15/11/19

SI NO.	STUDENTS NAME	26-10-2019	27-10-2019	13-11-2019	14-11-2019	15-11-2019
49	ADARSH C.K	<i>Adarsh</i>	<i>Adarsh</i>	<i>Adarsh</i>	<i>Adarsh</i>	<i>Adarsh</i>
50	VISHNU V.P	<i>Vishnu</i>	<i>Vishnu</i>	<i>Vishnu</i>	<i>Vishnu</i>	<i>Vishnu</i>
51	ABHILASH MOHAN	<i>Abhilash</i>	<i>Abhilash</i>		<i>Abhilash</i>	
52	NANADA KUMAR V.M	<i>Nanada</i>	<i>Nanada</i>	<i>Nanada</i>	<i>Nanada</i>	<i>Nanada</i>
53	ASWIN K	<i>Aswin</i>	<i>Aswin</i>	<i>Aswin</i>	<i>Aswin</i>	<i>Aswin</i>
54	AMAL RAJ T	<i>Amal</i>	<i>Amal</i>	<i>Amal</i>	<i>Amal</i>	<i>Amal</i>
55	LFO VINOY	<i>Lfo</i>	<i>Lfo</i>	<i>Lfo</i>	<i>Lfo</i>	<i>Lfo</i>
56	SOURAV GOPAL	<i>Sourav</i>	<i>Sourav</i>	<i>Sourav</i>	<i>Sourav</i>	<i>Sourav</i>
57	NUTHIN NOBLE	<i>Nuthin</i>	<i>Nuthin</i>	<i>Nuthin</i>	<i>Nuthin</i>	<i>Nuthin</i>
58	ADITHYAN P V	<i>Adithyan</i>	<i>Adithyan</i>	<i>Adithyan</i>	<i>Adithyan</i>	<i>Adithyan</i>
59	ASHIL TOMY	<i>Ashil</i>	<i>Ashil</i>	<i>Ashil</i>	<i>Ashil</i>	<i>Ashil</i>

*Jeyaraj*  
 15/11/19  
 Jeyaraj C. Jagan (A.P. MO)



Document Name-Feedback Form -Seminar

Document Code-Acu\_Tym\_19

Participant Name	: NARIN KUMAR V.M
Institute/Class	: NIMAL CIVILITE ENGINEERING COLLEGE
Contact Number	: 93 45 MECHANICAL 2nd yr
Mobile No	: 9845123456
Name of the Facilitator/s	: narainkumarvm2016@gmail.com
	: M.D.K.V., A.M.J.J.T.T., A.V.S.P.A.S., M.V.K.S.

Please rate the Training

Please rate the following statements	5*	4*	3*	2*	1*	Remarks
I learned new knowledge and skills	✓					
New software will help to increase more productivity in my future	✓					
All my queries were answered	✓					
Overall Training Experience	✓					

Your valuable Comments

Some of the sessions good experience

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Training on Software

Are you interested to get trained for any other software	YES/NO	If any other Software: (Please specify)	Ans: Yes
--	--------	---	----------

Date: 2/1/20

Signature:

*[Handwritten Signature]*

## FEEDBACK FORM

Please respond to the following items by using the scale below:

3=Excellent    2=Good    1=Fair    0= Poor

1. The objectives of the training were met

3      2      1      0

2. The presentation materials were relevant

3      2      1      0

3. The content of the course was organised and easy to follow

3      2      1      0

4. The trainers were well prepared and able to answer any questions

3      2      1      0

5. The course length was appropriate

3      2      1      0

6. Rate the program outcomes attained through the seminar.

PO 02    3    2    1    0

PO 03    3    2    1    0

PO 04    3    2    1    0


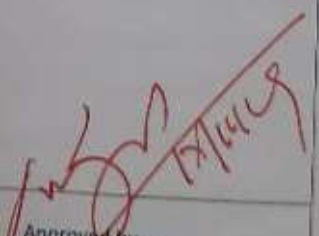
PO 05    3    2    1    0

PO 06    3    2    1    0

PSO 01    3    2    1    0

PSO 02    3    2    1    0

Post Event Impact Analysis Report (To be prepared by the event coordinator)

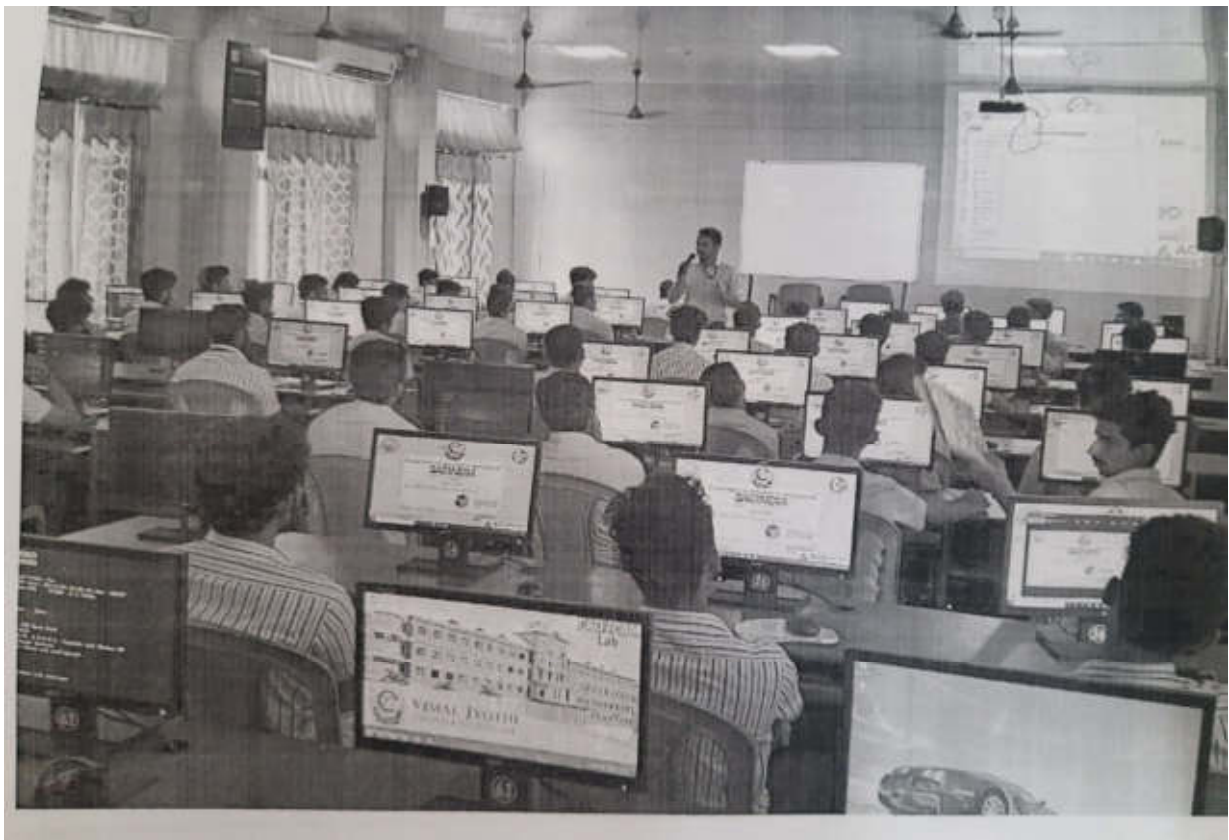
1	Event type and name	<ul style="list-style-type: none"> <li>• Seminar/workshop/conference</li> <li>• Guest lecture</li> <li>• Industrial visit</li> <li>• FDP</li> <li>• <b>5 Days workshop on CREO Modelling Software.</b></li> </ul>
2	Date and time	26, 27 Oct 2019, 13 to 15 Nov 2019
3	Participants/ audience	57 ME students
4	Venue	CAD Lab
5	Outcomes of the event	<ol style="list-style-type: none"> <li>1. The students are able to have an understanding of various CREO tools and</li> <li>2. the concept of 3D modelling.</li> </ol> <p>The students were able to create part models and assembly models using CREO.</p>
6	Attainment level of outcomes	
7	Gist of feedback from the participants	The participants conveyed a positive feedback and are interested to attend such workshops in upcoming semester too.
8	Connected POs/COs	PO5, PO1, PO2, PO6, PO2, PO3, PO4
9	Any other relevant information	—
10	Responsible persons	<p>Report prepared by </p> <p>Jestin C. Jon (AP, ME)</p> <p>Approved by </p>

K. K. K. K.  
 Professor & HOD  
 Department of Mechanical Engineering  
 Vimal Jyothi Engineering College  
 Changanassery, Kerala - 670032



**Certificate Sample:**





**One Day Hands on Workshop on 'Supply Chain Management Simulation' -  
Entrepreneurship**

**Vimal Jyothi Engineering College**

**Date: November 2, 2019**

**Venue: Vimal Jyothi Engineering College (VJEC)**



One Day Hands on Workshop on 'Supply Chain Management Simulation'



**DEPARTMENT OF MECHANICAL  
ENGINEERING  
VJEC, CHEMPERI.**

**ORGANISES**

**ONE DAY HANDS ON WORKSHOP  
ON**

**Supply Chain Management  
Simulation**

**Facilitator**

**Dr. V. Madhusudanan Pillai**  
Professor,  
Dept. of Mechanical Engg.  
NIT, Calicut.

**Coordinators**

**Dr. TD John**  
Dean- Research.  
**Niyas KM** (Mob. 9567604976)  
**Shaminmuth KK** (Mob. 7708245371)

**Date**

**02/Nov/2019**

**Registration fee: Rs. 500/-**

**Number of participants are  
restricted to 40.**

## **Introduction:**

The Department of Mechanical Engineering at Vimal Jyothi Engineering College organized a one-day hands-on workshop on 'Supply Chain Management Simulation' on November 2, 2019. The workshop aimed to provide participants with practical insights into supply chain management processes and methodologies through simulation exercises.

## **Workshop Sessions:**

The workshop commenced at 9:00 AM with an introductory session, where participants were briefed on the significance of supply chain management in modern industries. Seasoned professionals and faculty members delivered informative presentations on various aspects of supply chain management, including logistics, inventory management, and demand forecasting.

The hands-on session began after the introductory session, where participants were divided into groups and assigned simulation exercises related to different aspects of supply chain management. Using simulation software, participants simulated real-world scenarios and made decisions related to production, inventory, and distribution.

Throughout the workshop, facilitators provided guidance and assistance to participants, helping them understand the implications of their decisions on the overall supply chain performance. Participants engaged in lively discussions and collaborated to optimize their supply chain strategies, considering factors such as cost, lead time, and customer satisfaction.

## **Key Learnings:**

- Understanding of supply chain dynamics: Participants gained a deeper understanding of the interconnectedness of supply chain activities and the impact of decisions on overall performance.
- Decision-making skills: Through simulation exercises, participants honed their decision-making skills by analyzing data, identifying bottlenecks, and devising strategies to improve efficiency.
- Collaboration and teamwork: The workshop provided an opportunity for participants to collaborate with their peers, fostering teamwork and communication skills essential for effective supply chain management.

## **Conclusion:**

The one-day hands-on workshop on 'Supply Chain Management Simulation' proved to be a valuable learning experience for participants, offering practical insights into supply chain dynamics and decision-making processes. By simulating real-world scenarios, participants gained a holistic understanding of supply chain management and developed essential skills applicable in various industries. Such workshops play a crucial role in preparing future engineers and professionals to navigate the complexities of modern supply chains effectively.



# VIMAL JYOTHI ENGINEERING COLLEGE

JYOTHI NAGAR, CHESTHERI - 670637, KANNUR D.T., KERALA  
An ISO 9001: 2008 Certified Institution

## EVENT PROPOSAL FORM

1	Event type and Name	One day Workshop ; Supply Chain Management Simulation
2	Date and time	02/11/2019 ; 9.00 am -4.00 pm
3	Participants/audience	S7 ME(A) & S7 ME(B)- (2016-20 BATCH) S5 ME(A) & S5 ME(B)- (2017-21 BATCH)
4	Venue	CAD lab , Mechanical Department.
5	Objectives	To create an awareness about the Supply chain management operations through Supply Chain Role Play Game Simulator.
6	Expected outcomes	<ul style="list-style-type: none"><li>• Develop awareness on the decision making situation in a business operation through fun using role play game.</li><li>• Ability to understand the need for good inventory management in a business unit.</li><li>• Ability to understand the link between business units and the distribution of inventory between business units.</li><li>• Create awareness on the complexity of meeting demand under uncertain demand.</li></ul>
7	Connected POs/PSOs	PO5, PO11
8	Justification for POs/PSO's	PO5: Training in Supply Chain Management role play game simulator helps to familiarize a modern tool to solve inventory related solutions  PO11: in depth knowledge in inventory related issues develops idea required for financial management in industrial applications.
8	Resource requirements	CAD lab, 40 computers with high speed internet, Projector, Microphone etc.
9	Any other Relevant Information	NIL
10	Responsible Persons	Dr. TD John Niyas K.M Shaminmuth KK
11	Department	Mechanical Engineering

Proposal prepared by

Niyas K.M

Recommended by

25/10/19

ONE DAY WORKSHOP  
ON  
SUPPLY CHAIN OPERATION SIMULATION  
ATTENDANCE SHEET

Sl No.	STUDENTS NAME	PRN NO.	CLASS	SIGNATURE	
				FN	AN
1	Prince Prasad	16ME89	S7MEB	<i>[Signature]</i>	<i>[Signature]</i>
2	LINTO JOSEPH	16ME71	S7MEB	<i>[Signature]</i>	<i>[Signature]</i>
3	Jishnu Janardhanan MV	17ME61	S7MEB	<i>[Signature]</i>	<i>[Signature]</i>
4	Athul Anand	16ME74	S7MEB	<i>[Signature]</i>	<i>[Signature]</i>
5	Amithabh Gonyachoran	16ME25	S7MEB	<i>[Signature]</i>	<i>[Signature]</i>
6	Tharun Suresh	16ME105	S7ME-B	<i>[Signature]</i>	<i>[Signature]</i>
7	Shahid Akhmed P	16ME77	S7MEB	<i>[Signature]</i>	<i>[Signature]</i>
8	Muhammed Najim Erayarthullak	16ME77	S7MEB	<i>[Signature]</i>	<i>[Signature]</i>
9	Zainudheen. M.C	16ME114	S7ME-B	<i>[Signature]</i>	<i>[Signature]</i>
10	ANALVIN	16ME20	"	<i>[Signature]</i>	<i>[Signature]</i>
11	ABHINANDH.P	16ME05	S7MEB	<i>[Signature]</i>	<i>[Signature]</i>
12	Akshay Lakshmanan	16ME15	S7MEA	<i>[Signature]</i>	<i>[Signature]</i>
13	ABHIRAJ ASHOKAN	17ME05	S5MEA	<i>[Signature]</i>	<i>[Signature]</i>
14	SITHIN K	17ME70	S5MEA	<i>[Signature]</i>	<i>[Signature]</i>
15	Akash. balakrishnan	17ME05	S5MEA	<i>[Signature]</i>	<i>[Signature]</i>
16	Randhin Dinash	17ME80	S5MEA	<i>[Signature]</i>	<i>[Signature]</i>
17	Arul Dity	17ME33	S5MEA	<i>[Signature]</i>	<i>[Signature]</i>
18	Gautham.k	17ME60	S5MEA	<i>[Signature]</i>	<i>[Signature]</i>
19	SIVIN A JOSE	16ME98	S7MEA	<i>[Signature]</i>	<i>[Signature]</i>
20	Akshil John	16ME11	S7MEA	<i>[Signature]</i>	<i>[Signature]</i>
21	Sreeniv Godpel	16ME100	S7MEA	<i>[Signature]</i>	<i>[Signature]</i>
22	Nithin Noble	16ME86	S7MEA	<i>[Signature]</i>	<i>[Signature]</i>
23	Tilim James	16ME65	S7MEA	<i>[Signature]</i>	<i>[Signature]</i>
24	JERIN JOHN	16ME60	S7MEA	<i>[Signature]</i>	<i>[Signature]</i>
25	SREEMAN S ANAND	16ME15	S7MEA	<i>[Signature]</i>	<i>[Signature]</i>
26	Muhammed shahid-p	16ME78	S7MEA	<i>[Signature]</i>	<i>[Signature]</i>
27	Edwin Jayasee	16ME09	S5MEA	<i>[Signature]</i>	<i>[Signature]</i>
28	Akash Raju	16ME19	S5MEB	<i>[Signature]</i>	<i>[Signature]</i>
29					
30					
31					
32					

# ONE DAY WORKSHOP IN SUPPLY CHAIN OPERATION SIMULATION

## Work-shop Evaluation form

1) What is your overall assessment of the event? (1 = insufficient - 5 = excellent)

1                      2                      3                      ~~4~~                      5

2) Which topics or aspects of the workshop did you find most interesting or useful?

- learning through supply chain role play game
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

3) Did the workshop achieve the programme objectives?

~~Yes~~                      No

If no, why?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4) Knowledge and information gained from participation at this event?

Met your expectations

~~Yes~~

No

Somehow

Will be useful/applicable in future

~~Definitely~~

Mostly

Somehow

Not at all



5) The instructor was a good communicator? ~~Definitely~~ Mostly Somehow Not at all

5) How do you think the workshop could have been made more effective?

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6) Please comment on the organization of the event (from 1 = insufficient to 5= excellent)

1            2            3            ~~4~~            5

7) Comments and suggestions (including activities or initiatives you think would be useful, for the future)

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Further comments or suggestions

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Student name: Edwin

Class: S.M.B-D

Roll no. 97

Signature: 

## Report on Workshop conducted

**Topic:** One day workshop on Supply Chain Operation Simulation.

**Date:** 2<sup>nd</sup> November 2019.

**Introduction:** A one day hands on workshop on supply chain operation simulation has been conducted at Jyothi Engineering College, Chempur on 02/11/2019. This workshop is a hands on training using Supply Chain Role Play Game developed at NIT Calicut.

**Participants:** A total of 28 students were participated from Semester 7 and 5 of Mechanical Engineering department

**Facilitator:** Dr. V. Madhusudanan Pillai, Professor, Department of Mechanical Engineering, NIT Calicut.

### Description about the Program:

The workshop started at 9.00 am. On the inaugural function, Cdr Raja KK (HOD, ME) welcomed everyone to the workshop. In his address, he emphasized the role of Supply Chain Management in the real world scenario. After that Dr. TD John Dear Research, VJEC) also addressed the students. In the first section of the workshop facilitator describes certain basic idea about supply chain management. In the remaining sections the students grouped in 7 groups of 4 members each and the Simulation Game was conducted. The facilitator conducted the game with different operation Scenario. At the end of every session the scores achieved by every group were published. The workshops ended at 4 pm. Feedbacks from the students are collected and Certificate also distributed after 4 pm.

### Photographs:



Prepared by : Niyas KM, Assistant Professor, ME department, VJEC.

**Certificate Sample:**





**Knowledge Enhancement Seminar on MEP- Entrepreneurship**  
**Vimal Jyothi Engineering College**

**Date: November 2, 2019**

**Venue: Vimal Jyothi Engineering College (VJEC)**

Knowledge Enhancement Seminar on MEP



**VIMAL JYOTHI**  
ENGINEERING COLLEGE  
DEPARTMENT OF MECHANICAL ENGINEERING



# KNOWLEDGE ENHANCEMENT SEMINAR ON MEP

Resource persons:

Mr. Vinod Balakrishna

Mr. G K Santhosh Kumar

For S7 ME Students

Venue : Varikkattu Hall

02 NOVEMBER 2019 | 1.30 pm

Convenor : Cdr Raju k k (Retd) (HOD/ME)

Co Convenors : Mr. Gokulnath (AP/ME)

Mr. Alex George (AP/ME)

## **Introduction:**

The Department of Mechanical Engineering at Vimal Jyothi Engineering College organized a Knowledge Enhancement Seminar focusing on MEP (Mechanical, Electrical, Plumbing) on November 2, 2019. The seminar aimed to provide students with insights into the integration and functioning of mechanical, electrical, and plumbing systems in engineering projects.

## **Seminar Details:**

The seminar commenced at 1:30 PM in the prestigious Varikkattu Hall, which provided an ideal setting for an intellectually stimulating session. Renowned experts and industry professionals were invited to share their expertise and experiences in the MEP domain.

## **Agenda:**

**Welcome Address:** The seminar began with a warm welcome extended to all attendees, emphasizing the importance of MEP in modern engineering projects.

**Keynote Speech:** Distinguished speakers delivered keynote speeches, highlighting the significance of MEP systems in ensuring the efficiency and sustainability of built environments.

**Technical Sessions:** Various technical sessions were conducted, delving into the intricacies of mechanical, electrical, and plumbing aspects of engineering. These sessions covered topics such as HVAC (Heating, Ventilation, and Air Conditioning), electrical wiring, lighting systems, water supply, drainage, and fire protection.

**Case Studies:** Real-world case studies were presented to illustrate the application of MEP principles in construction projects. These case studies provided valuable insights into overcoming challenges and optimizing MEP systems for enhanced performance.

**Interactive Q&A:** Attendees actively participated in an interactive Q&A session, where they had the opportunity to seek clarification on concepts discussed during the seminar.

**Networking Break:** A networking break was provided, allowing attendees to interact with speakers, industry professionals, and peers, fostering knowledge exchange and collaboration.

**Closing Remarks:** The seminar concluded with closing remarks, expressing gratitude to the speakers, participants, and organizers for their contributions to the event's success.

## **Outcome:**

The Knowledge Enhancement Seminar on MEP proved to be a resounding success, enriching participants with comprehensive insights into the multifaceted aspects of mechanical, electrical, and plumbing engineering. Attendees gained a deeper understanding of the importance of MEP systems in ensuring the functionality, efficiency, and sustainability of infrastructure projects.

## **Conclusion:**

The seminar served as a platform for fostering academic and industry collaboration, equipping students with practical knowledge and skills essential for their professional endeavors in the field of engineering. It exemplified Vimal Jyothi Engineering College's commitment to promoting holistic education and preparing students to excel in their chosen domains.

This seminar underscored the vital role of continuous learning and knowledge enhancement in staying abreast of advancements in engineering disciplines, and it set a benchmark for future endeavors aimed at fostering excellence in education and research.



# VIMAL JYOTHI ENGINEERING COLLEGE

JYOTHI NAGAR, CHEMPERI - 679632, KANNUR D.T, KERALA  
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## EVENT PROPOSAL FORM

1	Event type and Name	Knowledge enhancement Seminar on MEP
2	Date and time	02-11-2019 1:30 PM – 03:30 PM
3	Participants/audience	57 ME students (2016-20 A & B ME)
4	Venue	Varikkattu Hall
5	Objectives	To develop technical skills and qualifications as a Mechanical Engineer in the field of MEP to make significant contribution to industry with strong work ethics and diligence.
6	Expected outcomes	Students will be able to develop the skills to design or analysis in mechanical, electrical, plumbing (MEP) and related systems for installation on commercial construction projects.
7	Connected POs/PSOs	PO 3, PO 5, PO 6, PO 9 <i>Gap filling activity for design &amp; machine elements</i>
8	Justification for POs/PSO's	The session will impart knowledge to design or develop the MEP systems with the integration of modern engineering tools. The session will provide insight on functioning effectively as an individual either as member or as a team leader.
9	Resource requirements	Computer, Projector, PA systems
10	Any other Relevant Information	NIL
11	Responsible Persons	Convener: Cdr. Raju K K (Retd) HOD/ME Co-Conveners: Mr. Alex George (AP, ME) & Gokulnath R (AP, ME)
12	Department	Mechanical Engineering

Proposal prepared by

Gokulnath R *GKR*  
31.10.19

Recommended by

*RJK*  
Cdr. Raju K K (Retd) HOD/ME

Alex George *AG*

*AG*  
31/10

*copy to convener*

2 pm 20/4/2017

# KNOWLEDGE ENHANCEMENT SEMINAR ON MEP

## 57 ME A

Roll No	Name	Sign
1	AGHISHAN BABU	[Signature]
2	Adarsh Mishra	[Signature]
3	-	-
4	AJILAL V	[Signature]
5	AKHIL BHASKARAN	[Signature]
6	Akhil John	[Signature]
7	-	-
8	Akshay Rajan	[Signature]
9	-	-
10	Amal Bhaskaran	[Signature]
11	Arnaldrey .c	[Signature]
12	<del>Amal</del> AMER . A	[Signature]
13	AMITH P	[Signature]
14	-	-
15	-	-
16	ANOKHLAL	[Signature]
17	ARUN MATHREW	[Signature]
18	<del>Arin Thomas</del> ARUN THOMAS	[Signature]
19	ARUN RAMESH BABU	[Signature]
20	ASISH K	[Signature]
21	ASWIN .K V	[Signature]
22	ASWIN T. ARAVIND	[Signature]
23	Ashut Nardanan .P	[Signature]
24	Prasanna	[Signature]
25	-	-
26	Edin JOSEPH	[Signature]
27	Fayiz Ibrahim .M	[Signature]
28	Gokul Janardhanan	[Signature]
29	Goutamji th	[Signature]
30	Sudhakar P.T	[Signature]
31	Jemin John	[Signature]
32	JISHNU	[Signature]

[Red Stamp]

33	Jithin James	<del>J</del>
34	KIRAN MATHEW	<del>K M</del>
35	Leo Vinay	<del>L V</del>
36	Mathew Fred	<del>M F</del>
37	MUFASIR V	<del>M V</del>
38	-	-
39	-	-
40	Najeeb Muhammed	<del>N M</del>
41	NANDAKUMAR.V.V	<del>N V</del>
42	-	-
43	NIKHIL PAULOSE	<del>N P</del>
44	NITHIN NOBLE	<del>N N</del>
45	Praveen K.V	<del>P K</del>
46	Rithik Lal	<del>R L</del>
47	-	-
48	Sebastian. N.C	<del>S N</del>
49	SIVIN A JOSE	<del>S J</del>
50	-	-
51	SREERAG-PE	<del>S P</del>
52	SREERAJ.V	<del>S V</del>
53	THEJUS .K	<del>T K</del>
54	-	-
55	Vishnu Viswanath.C	<del>V V</del>
56	Navek. M.K	<del>N M</del>
57	YADUKRISHNAN	<del>Y K</del>
58	Sreemou.S. Prasad	<del>S P</del>
59	-	-
60	UJWAL KUMAR	<del>U K</del>

  
 2.11.19

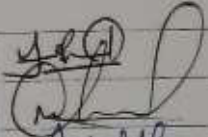
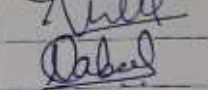


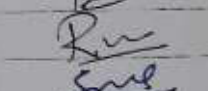




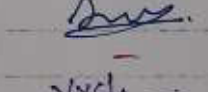

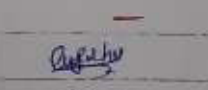
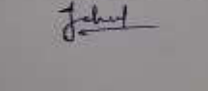











ST MED

2<sup>nd</sup> Sem  
2-11-19

Roll No	Name	Sign
1.	ABHINAV K.P	
2	Abhinand p.v	
3	ABHINAV P	
4	Adithyan P.V	
5	Afari Ravendran	
6	AKHIL -K	
7	AKSHAY E	
8	Akhay Labhmanan	
9	Alen Joe Manuel	
10	-	-
11	AMAN - P	
12	Amithabh Gangadharan	
13	ANISH P.P	
14	ANKIT JOSHY	
15	Anoj K. Dominic	
16	Arjun P.V	
17	Ashu Tomy	
18	Ashwin Pradeep	
19	Ashwin Thomas	
20	Aswathi Manoharan	
21	ASHINRAJ TV	
22	ATHUL	
23	-	-
24	Calvin Biju	
25	Dishin Krishna	
26	EDWIN SHIBU	
27	-	-
28	HARI PRASAD B	
29	-	-
30	JIMSON . PS	
31	JISHNUJITH . C	
32	-	-
33	<del>John</del> John George	
34	KAVUMKAL PRAHEW WILSON	
35	-	-
36	LINTO	

2-11-19

37	Muhammed Arshad.k.k	
38	MUHAMMED M MIRAS P.P	
39	Muhammed Nujoom	
40	Nabeel Hakeem Mohammed	
41	Neevaj.A	
42	Nalhin Nargyanan	
43	Nixon Sunny	
44	PRINCE	
45	Remil Kumar	
46	Sammood	
47	Saroodeep Dinethan	
48	Sayooj.k	
49	SREERAG	
50	Sonu T. shasi	
51	Sreerag M	
52	Sreerag .P	
53	THARUN	
54	Thomas.A. Sunny	
55	-	-
56	VYSHAKH.K	
57	ZAINUDHEEN	
58	-	-
59	Sijesh.P	
60	MUHAMMED FAHAD P.V	

  
2.11.17



## FEEDBACK FORM

### EVENT: KNOWLEDGE ENHANCEMENT SEMINAR ON MEP

Please respond to the following items by using the scale below:

5=Excellent    4=Very Good    3=Good    2=Fair    1=Poor

1. The speaker presented materials clearly and concisely.

5    ④    3    2    1

3. The information presented was relevant to your needs and expectations.

5    ④    3    2    1

4. Sufficient opportunity was provided for questions.

5    ④    3    2    1

5. You were pleased with the presentation.

5    4    ③    2    1

6. Rate the program outcomes attained through the seminar.

• PO 3 (Design / development of solutions)

5 4 ③ 2 1

• PO 5 (Modern Tool Usage)

5 4 ③ 2 1

• PO 6 (The engineer and society)

5 ④ 3 2 1

• PO 9 (Individual and team work)

5 ④ 3 2 1

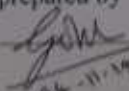
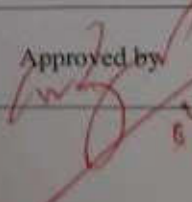
STUDENT'S NAME: SABZIL

CLASS: S7 ME-B

SIGNATURE: [Signature]

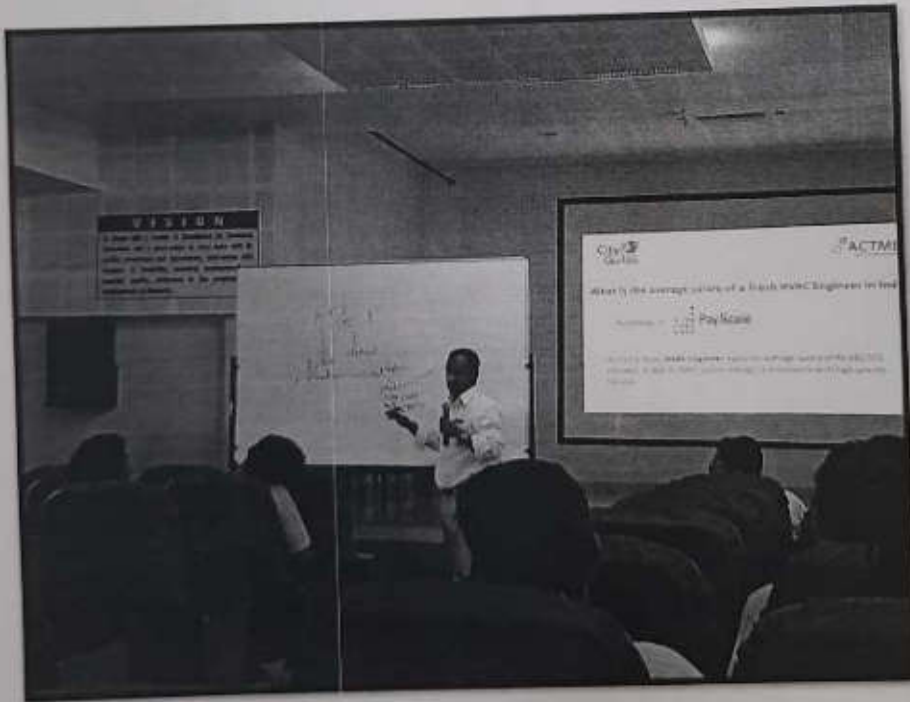
DATE: 02-11-19

### Post Event Impact Analysis Report

1	Event type and name	Type: Seminar Name: Knowledge Enhancement Seminar On MEP
2	Date and time	02-11-2019, 1.30PM TO 3.30 PM
3	Participants/ audience	S7 ME (2016-20 BATCH)
4	Venue	Varikkattu hall
5	Outcomes of the event	<ol style="list-style-type: none"> <li>1) Curriculum gap bridging activity for the courses ME401 Design of Machine elements I and ME402 Design of Machine elements II.</li> <li>2) The session is connected with PO3, PO5, PO6 and PO9.</li> <li>3) The seminar helped the students to develop skills to design or analyse mechanical, electrical, plumbing and related systems for installation on commercial construction projects.</li> </ol>
6	Attainment level of outcomes	Outcomes are attained
7	Gist of feedback from the participants	Feedback forms are attached
8	Connected POs/COs	PO3, PO5, PO6 and PO9
9	Any other relevant information	NIL
10	Responsible persons	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> <p>Report prepared by</p>  <p>04-11-19 Gokulnath R</p> </div> <div style="text-align: center;"> <p>Approved by</p>  <p>04/11/19</p> </div> </div>

## Certificate Sample:





*Gov*  
04.11.14

**Seminar on 'Research Methodology'-Research Methodology**  
**Vimal Jyothi Engineering College**

**Date: November 14, 2019**

**Venue: Vimal Jyothi Engineering College (VJEC)**

Seminar on 'Research Methodology'



**ME DEPARTMENT VJEC ORGANISES  
A SEMINAR ON**

# **RESEARCH METHODOLOGY**



**14  
Nov  
2019**

ME Seminar Hall  
10.00 am

## **FACILITATORS**

Dr. TD John  
Dr. Christopher Ezhil Singh

## **CONVENERES**

**Gokulnath R  
Niyas KM**



## **Overview:**

The seminar on Research Methodology organized by the Department of Mechanical Engineering at Vimal Jyothi Engineering College provided valuable insights into various aspects of research methodology relevant to the field of mechanical engineering.

## **Key Highlights:**

**Introduction to Research Methodology:** The seminar began with an introduction to the importance of research methodology in the field of mechanical engineering. The speakers emphasized the significance of adopting systematic approaches to conducting research and the role of methodology in ensuring the reliability and validity of research outcomes.

**Types of Research:** The seminar covered different types of research methodologies commonly used in mechanical engineering, including experimental research, analytical research, and computational research. The speakers provided examples and discussed the applicability of each type in various research scenarios.

**Research Design:** A significant portion of the seminar was dedicated to discussing research design principles, including the formulation of research questions, hypothesis development, and selection of appropriate research methods. The speakers highlighted the importance of aligning research design with the objectives of the study and outlined best practices for designing robust research protocols.

**Data Collection and Analysis:** The seminar also addressed methods for collecting and analyzing data in mechanical engineering research. Topics such as instrumentation, data acquisition techniques, and statistical analysis were covered in detail. Practical considerations for ensuring data integrity and minimizing bias were also discussed.

**Ethical Considerations:** The seminar touched upon ethical considerations in research, including the importance of obtaining informed consent, maintaining data confidentiality, and adhering to ethical guidelines and regulations. The speakers underscored the responsibility of researchers to conduct studies ethically and with integrity.

**Case Studies and Examples:** Throughout the seminar, case studies and examples from the field of mechanical engineering were presented to illustrate key concepts and methodologies. These real-world examples helped participants gain a deeper understanding of how research methodology is applied in practice.

## **Conclusion:**

The seminar on Research Methodology conducted by the Department of Mechanical Engineering at Vimal Jyothi Engineering College provided a comprehensive overview of research methodologies relevant to the field. Participants gained valuable insights into the various stages of the research process, from conceptualization to data analysis, and were equipped with practical knowledge to enhance the quality and rigor of their research endeavours.

Overall, the seminar was well-received by attendees and served as a valuable platform for fostering learning and collaboration in the field of mechanical engineering research.



**EVENT PROPOSAL FORM**

1	Event type and Name	Seminar on Research Methodology
2	Date and time	14-11-2019, 10.00 AM to 12.10 PM
3	Participants/audience	57 ME students
4	Venue	CADDEAR ME Seminar hall
5	Objectives	To make students aware of journal paper writing format. It will prove as a gap filling activity for the course ME451 Seminar and Project Preliminary.
6	Expected outcomes	Students will be able to develop their knowledge in the field of journal writing and accessing various journals which will help them in their future research work.
7	Connected POs/PSOs	PO 4, PO 5, PO 10, PSO 1
8	Justification for POs/PSOs	The session will help students in using research-based knowledge and applying appropriate techniques and resources for writing journal papers.
9	Resource requirements	Computer, Projector, PA systems
10	Any other Relevant Information	NIL
11	Responsible Persons	Convener: <del>Dr. Prasad</del> Raju K. Kuriakose Co-Convener Co-Convener: Mr. Gokulnath R (AP, ME), Mr. Niyas K M (AP, ME) Resource person: Dr. John T D (Dean Research, VJEC), Dr. S. Chandrasekhar, Gopal Singh
12	Department	Mechanical Engineering

Proposal prepared by

Niyas K M

Gokulnath R

*(Signature)*

*(Signature)*

*(Signature)*  
 Recommended by  
 Sankar

25/11/19

## Seminar on Research Methodology

## Attendance sheet

S/NO	SEN	Name	Sen	Signature
1	16ME099	Sonu T. Shahi	S7ME-B	[Signature]
2	16ME11	Jithin Jayarajan - MV	S7ME-B	[Signature]
3	16ME44	Ahmad Anwar	S7ME-B	[Signature]
4	16ME10	Dishin Krishna	S7ME-B	[Signature]
5	16ME012	Akhil K	S7ME-B	[Signature]
6	16ME61	JIMSON - PS	S7ME-B	[Signature]
7	16ME67	KARUNAKAL MATHAN WILSON	S7ME-B	[Signature]
8	16ME17	ALAN C. JOSE	S7ME-A	[Signature]
9	16ME60	Jerin John	S7ME-A	[Signature]
10	16ME98	Sivini A Jose	S7ME-A	[Signature]
11	16ME99	Shazil Alommed - P	S7ME-B	[Signature]
12	16ME92	Samsud Abdul Wahab	S7ME-B	[Signature]
13	16ME77	Muhammed Nujoom Ganyathulla	S7ME-B	[Signature]
14	16ME71	Linto Joseph	S7ME-B	[Signature]
15	16ME39	ARUN THOMAS	S7ME-A	[Signature]
16	16ME85	NIKHIL PAULOSE	S7ME-A	[Signature]
17	16ME40	Aswathi Manoharan	S7ME-B	[Signature]
18	16ME114	Zainudheen - N.C	S7ME-B	[Signature]
19	16ME27	Anish PP	S7ME-B	[Signature]
20	16ME105	Thanun Suresh	S7ME-B	[Signature]
21	16ME82	Niraj A	S7ME-B	[Signature]
22	16ME85	Achul Tony	S7ME-B	[Signature]
23	16ME09	Aakash Ravendran	S7ME-B	[Signature]
24	16ME18	Alan Joe Manuel	S7ME-B	[Signature]
25	16ME16	Atshay Rajan	S7ME-A	[Signature]
26	16ME92	Mahesh Fird	S7ME-B	[Signature]
27	16ME11	Akhil RAO	S7ME-A	[Signature]

## Seminar on Research Methodology

## Attendance sheet

Sl No	PRN	Name	Code	Signature
28	16ME70	Res Vijay	STMEB	[Signature]
29	16ME47	Prasid Basu	STME-B	[Signature]
30	16ME53	Fayik Ibrahim M	STME-A	[Signature]
31	16ME23	Aman P	STME-A	[Signature]
32	16ME35	Athul Nandanan P	STME-A	[Signature]
33	16ME04	Ahmedhithi Anu NV	STME-A	[Signature]
34	16ME89	Geetham Jy P	STMEB	[Signature]
35	16ME19	Amal Bhaskaran	STME-A	[Signature]
36	16ME94	Gokul Jeyarathnan	STME-X	[Signature]
37	16ME33	Atul P.V	STMEB	[Signature]
38	16ME75	MUNIRAMEG MIRA P.P	STMEB	[Signature]
39	16ME14	Aravind E	STMEB	[Signature]
40	16ME101	Sreesag M	STMEB	[Signature]
41	16ME21	Amaldeep C	STME-A	[Signature]
42	16ME52	EDWIN	STMEB	[Signature]
43	16ME50	Dipin Krishna	STMEB	[Signature]
44	16ME37	Nikhil	STMEB	[Signature]
45	17ME24	Muhammad Fahad PV	STMEB	[Signature]
46	16ME17	Alwin C Jose	STME-A	[Signature]
47	16ME30	Anshul	STMEB	[Signature]
48	16ME32	ARIN MATHAN	STMEB	[Signature]
49	16ME11	Teach Mik	STME-A	[Signature]
50	16ME65	ATHUL NANDANAN P	STMEB	[Signature]
51	16ME95	Sarob I	STMEB	[Signature]
52	16ME102	Sreesag P	STME-B	[Signature]
53	16ME66	John George	STME-B	[Signature]
54	16ME27	NIXON SUNNY	STMEB	[Signature]

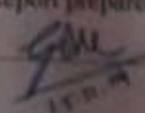
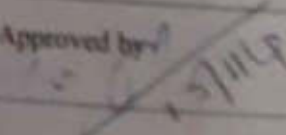
Seminar on Research Methodology

Attendance sheet

Sl No	Roll No	Name	Class	Signature
55	16ME12	AKHIL - K		
56	16ME09	Akash Ramendran	STMEB	A
57	16ME89	ANKITH JOSHY	STMEB	A
58	16ME33	Arav. P V	STMEB	A
59	16ME51	Ashwin P	STMEB	A
60	17ME22	SIJESH	STMEB	A
61	16ME12	Vyshakh	STMEB	A
62	16ME107	THOMAS A SUNNY	STMEB	A
63	16ME102	STEEVEN P	STMEB	A
64	16ME58	Idithy P. T	STME A	A
66	16ME53	FAZIZ IBRAHIM	STME A	A
67	16ME41	Ashwin K. V	STME A	A
68	16ME30	Anothlal. C	STME A	A
69	16ME19	Anul Bhaskaran	STME A	A
70	16ME11	Abhilash	STME A	A
72	16ME01	Abhigyan K.P	STMEB	A
72	16ME02	ADITHYAN	STMEB	A
73	16ME15	Akhay Lakshminan	STMEB	A
74	16ME22	AMAN. P	STMEB	A
75	16ME79	Nabeel	STMEB	A
76	16ME 97	SHAZIL	STME A	A
77	16ME11	Neeraj	STME A	A
78	16ME107	Vaishakh Menon	STME A	A



## Post Event Impact Analysis Report

1	Event type and name	Type: Seminar Name: SEMINAR ON RESEARCH METHODOLOGY	
2	Date and time	14-11-2019 10 AM TO 12.10 PM	
3	Participants/audience	S7 ME (2016-20 batch) students	
4	Venue	SEMINAR HALL ME	
5	Outcomes of the event	1) Made the students aware of the field of research, journal paper writing and conference presentation 2) The session was connected with PO4, PO5, PO10, PSO1 3) Curriculum gap bridging program for the course ME451 Seminar and project preliminary	
6	Attainment level of outcomes	Outcomes are attained	
7	Gist of feedback from the participants	Feedback forms are attached	
8	Connected POs/COs	PO4, PO5, PO10, PSO1	
9	Any other relevant information	NIL	
10	Responsible persons	Report prepared by  G. Kulnath R.	Approved by  G. Kulnath R.



## FEEDBACK FORM

### EVENT: SEMINAR ON RESEARCH METHODOLOGY

Please respond to the following items by using the scale below:

5=Excellent    4=Very Good    3=Good    2=Fair    1=Poor

1. The speaker presented materials clearly and concisely.

5 / 4    3    2    1

3. The information presented was relevant to your needs and expectations.

5 / 4    3    2    1

4. Sufficient opportunity was provided for questions.

5 / 4    3    2    1

5. You were pleased with the presentation.

5 / 4    3    2    1

6. Rate the program outcomes attained through the seminar.

• PO4 (Conduct Investigations of Complex Problems) 5 4 / 3    2    1

• PO5 (Modern Tool Usage)

5 4 / 3    2    1

• PO10 (Communication)

5 4 / 3    2    1

STUDENTS NAME: ASWATH  
CLASS: 37ME-B  
SIGNATURE: Aswath  
DATE: 14 / Nov / 2019

## Certificate Sample:





*Solu*  
10/11/19

**Workshop on 'Introduction to Stress – Strain Analysis using FEM Software  
Vimal Jyothi Engineering College**

**Date: November 16, 2019**

**Venue: Vimal Jyothi Engineering College (VJEC)**

Workshop on 'Introduction to Stress – Strain Analysis using FEM Software'



**VIMAL JYOTHI**  
**ENGINEERING COLLEGE**  
JYOTHI NAGAR, CHEMPERI P.O, KANNUR DT. - 670632  
Web: www.vjec.ac.in ☎ 0460 2212240, 2213399, 9645408181

**DEPARTMENT OF MECHANICAL ENGINEERING**

**WORKSHOP**  
*On*

**INTRODUCTION TO  
STRESS STRAIN ANALYSIS  
USING FEM SOFTWARE**

**ON  
16-11-2019**



**Intended Audience**  
**S3 ME**  
Students

**Resource Person**  
**Mr. Johny P Joseph**  
(Assistant Prof., ME)  
**Co ordinator**  
**Mr. Aji Augustine**  
(Assistant Professor, ME)

**Venue**  
**CAD Lab**

## **Objective:**

The primary goal of the workshop was to introduce participants to stress-strain analysis using Finite Element Method (FEM) software. By providing theoretical knowledge and practical experience, the workshop aimed to enhance participants' understanding of material behavior under various loading conditions.

## **Workshop Overview:**

The workshop commenced with an introductory session outlining the importance of stress-strain analysis in engineering design and its relevance in real-world applications. Theoretical concepts including stress, strain, and their relationship were discussed in detail to lay the foundation for the subsequent practical sessions.

## **Hands-on Training:**

Participants were provided access to FEM software installed in the CAD Lab, enabling them to engage in hands-on training. Under the guidance of experienced instructors, participants learned to set up simulations, apply loads, and analyse stress-strain behaviour of mechanical components. The practical exercises allowed participants to gain proficiency in using FEM software for engineering analysis.

## **Case Studies and Discussion:**

Real-world case studies were presented to illustrate the practical application of stress-strain analysis. Participants were encouraged to analyse these case studies independently and engage in group discussions to share their insights and findings. The interactive nature of the sessions facilitated knowledge exchange and critical thinking among participants.

## **Feedback and Conclusion:**

Feedback from participants was overwhelmingly positive, with many expressing appreciations for the practical relevance of the workshop. Participants commended the expertise of the instructors and the well-organized nature of the event. The workshop successfully achieved its objectives of familiarizing participants with stress-strain analysis using FEM software and equipping them with essential skills for engineering analysis.

## **Conclusion:**

The Workshop on Introduction to Stress – Strain Analysis using FEM Software conducted by the Department of Mechanical Engineering at Vimal Jyothi Engineering College was a valuable learning experience for all participants. By combining theoretical knowledge with hands-on training, the workshop contributed to the professional development of participants and enhanced their understanding of engineering analysis techniques. The Department remains committed to organizing such workshops to promote continuous learning and skill development among students and faculty.





# VIMAL JYOTHI ENGINEERING COLLEGE

JYOTHI NAGAR, CHEMPEERU - 578622, KANNUR D.T. KERALA  
An ISO 9001:2008 Certified Institution

## EVENT PROPOSAL FORM

1	Event type and Name	Introduction to stress analysis using FEM Software
2	Date and time	16-11-2019 & 9:00-12:10 (S3ME-A), 16-11-2019 & 1:00-04:10 (S3 ME-B)
3	Participants/audience	S3 ME students
4	Venue	CAD Lab ME department
5	Objectives	To develop analysis skills for designing beam structures based on topics of Mechanics of solids.
6	Expected outcomes	Students will be able to develop structural analysis skills of beams
7	Connected POs/PSOs	PO 4, PO 5, PSO1
8	Justification for POs/PSOs	The session will impart knowledge to solve complex engineering problems using modern softwares ANSYS.
9	Resource requirements	CAD Lab facilities, software ANSYS & FEMAP
10	Any other Relevant Information	NIL
11	Responsible Persons	Coordinator: Mr. Johny P Joseph (Aji Augustine) Resource Person: Johny P Joseph (AP, ME)
12	Department	Mechanical Engineering

Proposal prepared by

Aji Augustine

Recommended by

19/11/19

# WORKSHOP ON STRESS STRAIN ANALYSIS USING FEM

DEPT. OF MECHANICAL ENGINEERING  
VIMAL JYOTHI ENGINEERING COLLEGE

## REGISTRATION DETAILS

SL.NO.	STUDENT NAME	CLASS	USN	SIGNATURE
1	Alvin Sebastian	S2 MEA	VML18ME011	[Signature]
2	Bhavaneeh - I	S2 MEA	VML18ME024	[Signature]
3	Anas Abdulla A	S2 MEA	VML18ME034	[Signature]
4	Shan Mathew	S2 MEA	VML18ME057	[Signature]
5	Serpin Pradeep M	S2 MEA	VML18ME065	[Signature]
6	Shreehan M	S2 MEA	VML18ME069	[Signature]
7	Navaneetha	S2 MEA	VML18ME090	[Signature]
8	Narayana Prasad	S2 MEA	VML18ME071	[Signature]
9	George Theobald	S2 MEA	VML18ME070	[Signature]
10	Albin Jey	S2 MEA	VML18ME009	[Signature]
11	Thamaskutty madhoo	S2 MEB	VML18ME066	[Signature]
12	AKHIL-K-S	S2 MEB	VML18ME074	[Signature]
13	Shyamalan	S2 MEB	VML18ME058	[Signature]
14	Mohith - E	S2 MEA	VML18ME036	[Signature]
15	Sourabh Pramod - c	S2 MEA	VML18ME059	[Signature]
16	Sanjay M	S2 MEA	VML18ME054	[Signature]
17	ANURAG - T - R	S2 MEA	VML18ME017	[Signature]
18	Yadunandan P M	S2 MEA	VML18ME071	[Signature]
19	Arya Santhosh	S2 MEB	VML18ME080	[Signature]
20	Rosh George	S2 MEA	VML18ME049	[Signature]
21	George Reckun	S2 MEB	VML18ME029	[Signature]
22	[Signature]	S2 MEB	VML18ME064	[Signature]
23	Yakul Sidharth	S2 MEB	VML18ME072	[Signature]
24	Abhiram - krishnan	S2 MEB	VML18ME001	[Signature]
25	Vishnav vijayam	S2 MEB	VML18ME070	[Signature]
26	Muhammed Shahid Abdulkader	S2 MEB	VML18ME030	[Signature]
27	ASWIN - P - P	S2 MEB	VML18ME023	[Signature]
28	SARANGI MANOJ	S2 MEB	VML18ME055	[Signature]
29	ASWIN - C - RAMESH	S2 MEB	VML18ME021	[Signature]
30	Abhijith Tv	S2 MEA	VML18ME073	[Signature]
31	Aswin - k - p	S2 MEA	VML18ME022	[Signature]
32	AKSHAY - K	S2 MEB	VML18ME007	[Signature]
33	SALVIN - SAJI	S2 MEB	VML18ME051	[Signature]
34	Arjun Babu	S2 MEA	VML18ME019	[Signature]
35	Vishal P	S2 MEA	VML18ME061	[Signature]
36	Vaishak C	S2 MEA	VML18ME067	[Signature]
37	Muhammed Anas chackal	S2 MEA	VML18ME068	[Signature]
38	Anas Abdulla h	S2 MEA	VML18ME048	[Signature]
39	Rishi hari - p	S2 MEA	VML18ME048	[Signature]
40	Anandh Sujith	S2 MEA	VML18ME065	[Signature]

# WORKSHOP ON STRESS STRAIN ANALYSIS USING FEM

DEPT. OF MECHANICAL ENGINEERING  
VIMAL JYOTHI ENGINEERING COLLEGE

## REGISTRATION DETAILS

SL.NO.	STUDENT NAME	CLASS	USN	SIGNATURE
1	Sreeprasad P.C	S2MEA	VML18ME061	
2	Pradeep P.S	S2MEA	VML18ME046	
3	Dhyani S Nambiar	S3MEA	VML18ME026	
4	Kiran Kumbhar	S2MEA	VML18ME028	
5	ALAN SEBASTIAN	S3MEA	VML18ME008	
6	Nikhil Raj	S3MEA	VML18ME042	
7	Abhishek Arund	S3MEA	VML18ME002	
8	Garha Manu Saji	S3MEB	VML18ME053	
9	Vams B Raj	S3MEB	VML18ME068	
10	Joshny Manoj	S3MEB	VML18ME034	
11	MEGVIN K JIJU	S3MEB	VML18ME037	
12	LALITH M.K	S3MEB	VML18ME032	
13	Adwalk T	S3MEB	VML18ME00	
14				
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<b>Date:</b>	16-11-19
Workshop Name	INTRODUCTION TO STRESS STRAIN ANALYSIS USING FEM SOFTWARE
Location:	CAD LAB DEPARTMENT OF MECHANICAL ENGINEERING
Resource Person	Mr. Johny P Joseph
Coordinator	Mr. Aji Augustine
Participants:	Second Year Mechanical Batch (2018-22)

Please respond to the following statements by using the 5-point rating scale to indicate the extent to which you agree or disagree with each statement. Please circle the number that applies.

3= Excellent

2= Good

1=fair

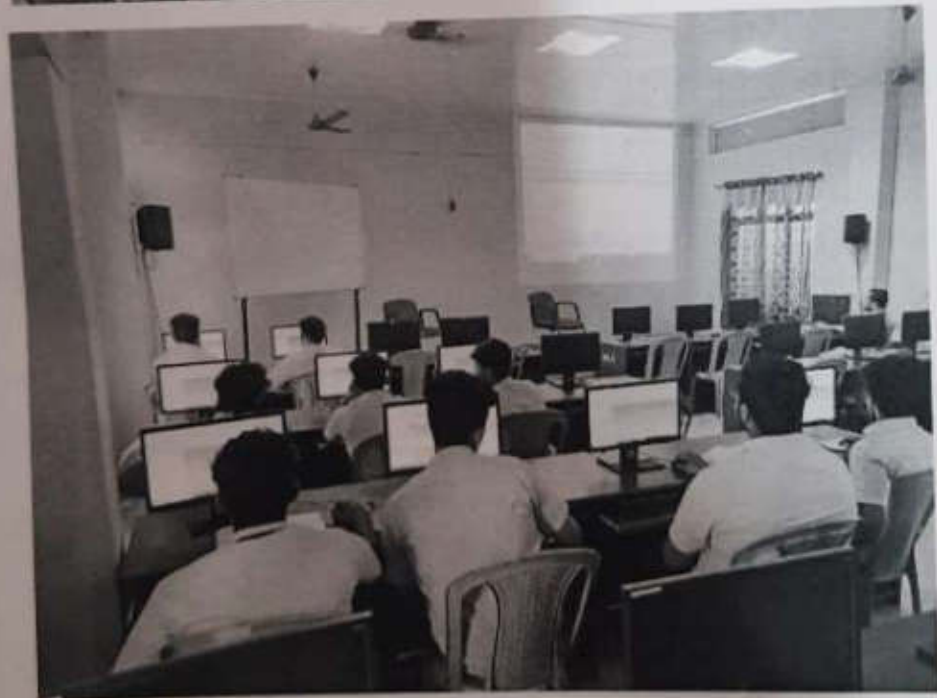
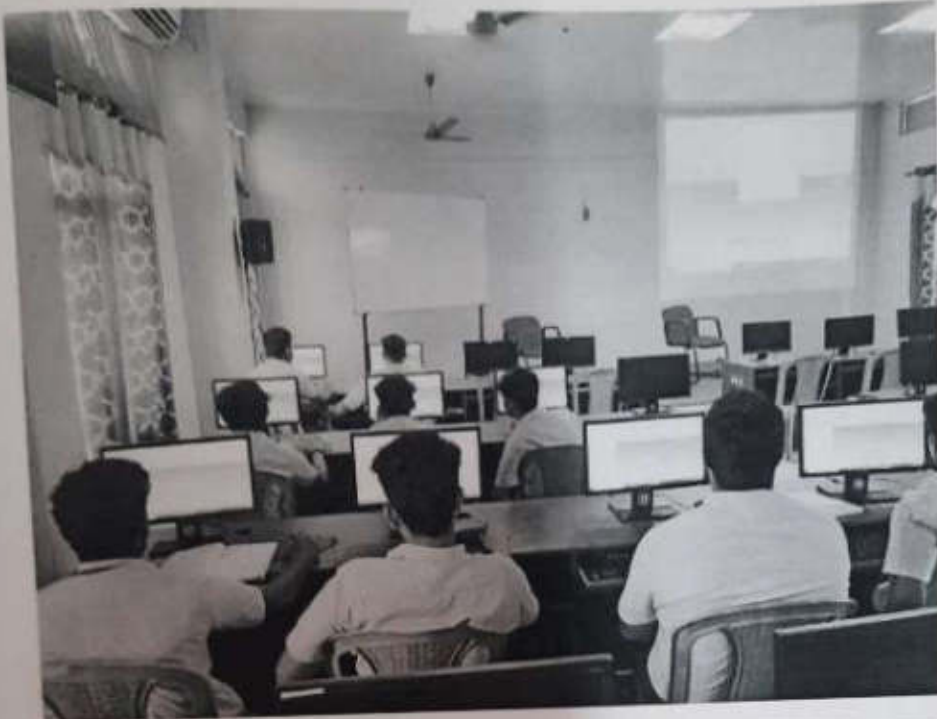
0= Poor


1. Workshop objectives were stated clearly and met.	3 2 1 0
2. The workshop was well organized.	3 2 1 0
3. The workshop helped me to learn how to work effectively with my peers in a workshop setting.	3 2 1 0
4. The information and/or skills presented were relevant and useful	3 2 1 0
5. The presenter(s) provided adequate time for questions and answered them satisfactorily.	3 2 1 0
6. The presenter(s) modeled student-centered learning strategies and techniques.	3 2 1 0
7. This workshop increased my knowledge and skills in FEM.	3 2 1 0
8. The workshop presented was relevant to PO-4- Solution of Complex Engineering Problems	3 2 1 0
9. The workshop presented was relevant to PO-5-Usage of modern Tools	3 2 1 0
10. The workshop presented was relevant to PSO-1 Usage of CAD Technologies in Mechanical Engineering Problems	3 2 1 0

STUDENTS NAME: Bavaneeth R  
 CLASS: SS ME A  
 SIGNATURE: Bavaneeth R  
 DATE: 16/11/19

## Certificate Sample:





Aji Augusthal   
20/11/19



**Seminar on 'Opportunities for Higher Studies Abroad'**  
**Vimal Jyothi Engineering College**

**Date: February 7, 2020**

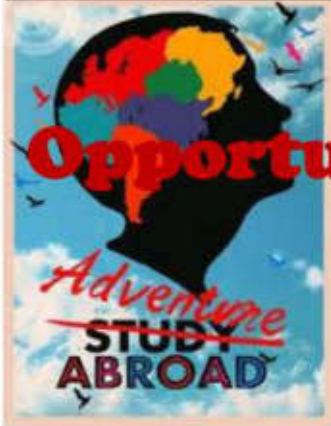
**Venue: Vimal Jyothi Engineering College (VJEC)**

Seminar on 'Opportunities for Higher Studies Abroad'



VIMAL JYOTHI ENGINEERING COLLEGE CHEMPERI, KANNUR

Department of Mechanical Engineering

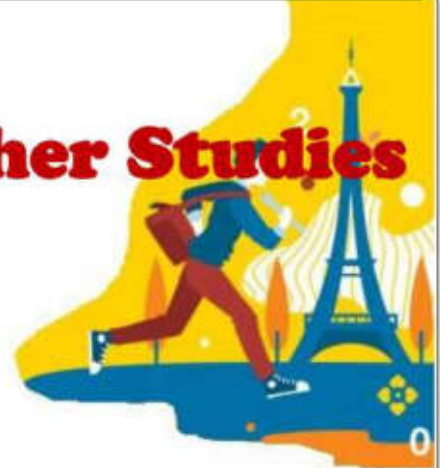


*organizes a seminar on*

# **Opportunities for Higher Studies Abroad**

*in association with*

**Riya** EDUCATION 



*On : 07- Feb – 2020*

*@ 2:00 P.M. Venue: Msgr. Jacob Varikattu Hall*

**Convener:**

**Cdr. (Rtd) Raju K K  
(HoD, ME)**

**Coordinators:**

**Jerin Saji (Asst. Prof. ME)  
Rinjesh A M (Asst. Prof. ME)**

## **Objective:**

The seminar aimed to provide students with insights into the opportunities available for higher studies abroad, particularly in the field of mechanical engineering. By showcasing various programs, application procedures, and scholarship opportunities, the seminar sought to empower students to pursue their academic aspirations globally.

## **Seminar Overview:**

The seminar commenced with an introduction to the importance of higher studies and the benefits of pursuing education abroad. Speakers from renowned universities and educational consultants delivered informative presentations covering a wide range of topics, including:

**Program Offerings:** Participants were introduced to the diverse range of academic programs available for mechanical engineering students at universities abroad. The speakers highlighted the specialization areas, curriculum structure, and research opportunities offered by these programs.

**Application Procedures:** Detailed insights were provided into the application procedures for international universities, including requirements for standardized tests, academic transcripts, letters of recommendation, and statement of purpose. Practical tips and best practices for preparing a competitive application were shared with the audience.

**Scholarship Opportunities:** Information on various scholarship opportunities available for international students was presented, including merit-based scholarships, research assistantships, and government-funded programs. The speakers emphasized the importance of early preparation and proactive research to maximize scholarship opportunities.

**Student Experiences:** Alumni and current students shared their firsthand experiences of studying abroad, highlighting the academic, cultural, and personal growth they experienced during their journey. Their insights provided valuable perspectives and addressed common concerns among prospective applicants.

## **Interactive Session:**

The seminar included an interactive Q&A session where participants had the opportunity to seek clarifications and guidance from the speakers. Queries related to program selection, funding options, visa procedures, and career prospects were addressed, fostering an open and engaging dialogue.

## **Feedback and Conclusion:**

Feedback from participants was overwhelmingly positive, with many expressing gratitude for the informative and inspiring sessions. Participants appreciated the comprehensive coverage of topics and the practical insights shared by the speakers. The seminar successfully fulfilled its objective of equipping students with the necessary information and motivation to explore opportunities for higher studies abroad.

## **Conclusion:**

The Seminar on Opportunities for Higher Studies Abroad organized by the Department of Mechanical Engineering at Vimal Jyothi Engineering College served as a valuable platform for students to explore their academic aspirations on a global scale. By providing insights into program offerings, application procedures, and scholarship opportunities, the seminar empowered students to pursue their educational goals with confidence. The Department remains committed to organizing such informative events to support the academic and professional growth of its students.



# VIMAL JYOTHI ENGINEERING COLLEGE

JYOTHI NAGAR, CHEMPERI - 670632, KANNUR D.T., KERALA

An ISO 9001 : 2008 Certified Institution

## Event proposal form

1	Event type and name	Seminar on STUDY ABROAD in association with Riya Education, Kannur
2	Date and time	07 February 2020 at 2:00 pm
3	Participants/ audience	SS ME students
4	Venue	Msgr. Jacob Varikattu Hall
5	Objectives	To create awareness among the final year students regarding their future opportunities in abroad countries like New Zealand, Australia, Germany, Sweden, Canada, UK, USA, Singapore, UAE, Ireland, Switzerland, Italy, France, Russia, Spain, Philippines the field of Education.
6	Expected Outcomes	1. Curricular Gap filling activity: Awareness of career opportunity in national and international levels. 2. Students will become aware about their scope of higher education / Career opportunities in abroad countries.
7	Connected PEOs/POs/COs	PEOs: PEO1, PEO4 POs: PO6, PO12
8	Resource requirements	Projector, Microphone
9	Any other relevant information	NIL
10	Responsible person	Proposal prepared by: <i>Jerin Saji</i> (Asst. Prof. ME) <i>Jerin Saji</i> Recommended by: Cdr (Ret.) <i>John KK</i> (HOD, ME) <i>6/2/2020</i>

*ms*  
*06/2*

# VIMAL JYOTHI ENGINEERING COLLEGE


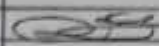






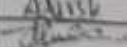
## Department of Mechanical Engineering

### Seminar on "Opportunities For Higher Studies Abroad"

Date: 07/02/2020

Time 2:00 PM

#### Attendance Sheet

Sl. NO.	ROLL NO.	NAME	CLASS	SIGNATURE
1		ABHISHITH BABU N V		
2		AKHIL BHASKARAN		
3		AKSHAY RAJAN		
4	11	AMALDEEP C	SB MEA	
5		AMAR A		
6		AMITH P		
7	17	ARUN MATHEW	SB MEA	
8		ARUN THOMAS		
9		ASWIN K V		
10		ATHUL NANDANAN P		
11		DHEERAJ RAVINDRAN		
12		GOKUL JANARDHANAN		
13		MUFASIR V		
14		MUHAMMED SHAHZAD P C		
15		PRAVEEN K V		
16		SEBASTIAN N C		
17		THEJUS K		
18		YADU KRISHNAN N V		
19	46	RITHIK LAL	SB MEA	
20		ANOKHLAL CHENGUNIVEETIL		
21		NEERAJ PRABHAKARAN		
22		SREERAG P C		
23	34	KIRAN MATHEW	SB MEA	
24	25	EBIN JOSEPH	SB MEA	
25		AMAL BHASKARAN		
26		SAVINAY C MOHAN		
27		GOUTHAM JITH P P		
28		ANJAL RAJAN		
29		IDITHSAJ P T		
30		VIVEK M K		
31		AJILAL V		
32		AKHIL JOHN		
33		ALAN C JOSE	SB MEA	
34		ASWIN T ARAVIND		
35		JITIN JAMES	SB MEA	
36		NANDAKUMAR V V		
37		VAISHAGH MENON		
38		VISHNU VISWANATH C		
39		Ujwal Kumar P K		
40	2	ADARSH MOHAN	SB MEA	
41	7	AKHIL RAJ M	SB MEA	



# VIMAL JYOTHI ENGINEERING COLLEGE

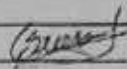



## Department of Mechanical Engineering

### Seminar on "Opportunities For Higher Studies Abroad"

Date: 07/02/2020

Time 2:00 PM

#### Attendance Sheet

SL NO.	ROLL NO.	NAME	CLASS	SIGNATURE
42		NAJEEB MUHAMMAD K G		
43	55	SREERAJ V	SB MGA	
44		ANARGHNATH K		
45		ASHWIN RAMESH BABU		
46		JERIN JOHN		
47		JISHNU PRAKASH N P		
48	43	NIKHIL PAULOSE	Sg MGA	
49		ASISH K		
50	27	FAYIZ IBRAHIM M	SR MEA	
51	35	LEO VINOY	SR MEA	
52		MATHEWS FRED		
53		NITHIN NOBLE		
54		SIVIN A JOSE		
55		SOURAV GOPAL		
56		SREEMON S ANAND		

# VIMAL JYOTHI ENGINEERING COLLEGE

## Department of Mechanical Engineering

### Seminar on "Opportunities For Higher Studies Abroad"

Date: 07/02/2020

#### Attendance Sheet

Time 2:00 PM

SL NO.	ROLL NO.	NAME	CLASS	SIGNATURE
1	9	ALEN JOE MANUEL		
2		ANKIT JOSHY	S8MEB	<i>[Signature]</i>
3		ARUN P V		
4	20	ASWATHI MANOHARAN	S8MEB	<i>[Signature]</i>
5		HARIPRASAD B		
6		JISHNUJITH C		
7		JITHIN JOSEPH		
8		SAMROOD ABDUL WAHAB		
9		Jishnu Janardhanan M V	S8MEB	<i>[Signature]</i>
10		VISHNUDAS T V		
11		BOVIN BINO PULIYANAPPALLIL		
12	49	SHAZIL AHAMMED P	S8MEB	<i>[Signature]</i>
13		SONU T SHAJI		
14		Sijesh P	S8MEB	<i>[Signature]</i>
15		ABHIJITH K P	S4MEB	<i>[Signature]</i>
16		ASHWIN PRADEEP POTHAN	S8MEB	<i>[Signature]</i>
17		MUHAMMED ARSHAD K K		
18		NIXON SUNNY		
19	44	PRINCE PRASAD	S8MEB	<i>[Signature]</i>
20		ABHINANDH P		
21		AMAL V M		
22		AMAN P		
23		AMITHABH GANGADHARAN		
24		ANISH P P		
25		ASHWIN THOMAS		
26		ASWINRAJ T V		
27		DISHIN KRISHNA		
28		EDWIN SHIBU		
29		JOBIN GEORGE		
30		MUHAMMED MIRAS P P		
31		MUHAMMED NUJOOM ENAYATHULLA K		
32	41	NEERAJ A	S8MEB	<i>[Signature]</i>
33		NIDHIN NARAYANAN		
34		SANDEEP DINESHAN		
35		SAYOOJ K		
36		SREERAG P		
37		ABHINAND P V		
38	4	ADITHYAN P V	S8MEB	<i>[Signature]</i>
39		AKASH RAVEENDRAN		
40		AKHIL K		
41		AKSHAY E		
42		AKSHAY LAKSHMANAN C		
43		ANOOJ K DOMINIC		
44	17	ASHIL TOMY	S8MEB	<i>[Signature]</i>
45		ATHUL ANAND		
46		CALVIN BIJU		
47		JASIN MURALI J		
48	30	JIMSON P S	S8MEB	<i>[Signature]</i>
49	22	KAVUMKAL MATHEW WILSON	S8MEB	<i>[Signature]</i>

# VIMAL JYOTHI ENGINEERING COLLEGE

Department of Mechanical Engineering

Seminar on "Opportunities For Higher Studies Abroad"

Date: 07/02/2020

Time 2:00 PM

Attendance Sheet				
SL. NO.	ROLL NO.	NAME	CLASS	SIGNATURE
50		LINTO JOSEPH		
51		NABEEL HAKEEM MOHAMMED		
52		REMIL KUMAR K	SBME-B	Dalib
53		SREERAG M		
54		THARUN SURESH		
55		THOMAS A SUNNY		
56		VYSHAKH K		
57		ZAINUDHEEN M C	SBME-B	SY
58	60	Muhamed Fahad P V	SBME B	Fahad

## Certificate Sample:







Attendees of the Seminar



Attendees of the seminar



**Workshop on Industrial Robotics**  
**Vimal Jyothi Engineering College**

**Date: February 7, 2020**

**Venue: Vimal Jyothi Engineering College (VJEC)**

## Workshop on Industrial Robotics



VIMAL JYOTSHI  
ENGINEERING COLLEGE  
Wardha, Maharashtra  
Established in 1983

DEPARTMENT OF ELECTRONICS AND  
INSTRUMENTATION

# WORKSHOP ON INDUSTRIAL ROBOTICS

**DATE**  
February 7  
2020

**VENUE**  
Research Lab  
ESI Department

**RESOURCE PERSON**  
Mr. Sunil Patel  
(Associate Professor, ISE Dept.)

**CO-ORDINATORS**  
Ms. Jyoti Mathew  
Ms. Divya K.

**TIME**  
9:00 AM - 4:00 PM

**\*Robotics and other combinations will make the world pretty fantastic compared with today.\***  
**-Bill Gates**



## **Objective:**

The workshop aimed to provide participants with practical insights into the field of Industrial Robotics. Through hands-on training and theoretical sessions, participants were introduced to the fundamentals of industrial robots, their applications, and programming techniques.

## **Workshop Overview:**

The workshop commenced with an overview of industrial robotics, highlighting their significance in modern manufacturing and automation processes. Experienced instructors from the field of robotics led the sessions, covering the following key topics:

**Introduction to Industrial Robots:** Participants were introduced to the basic concepts of industrial robots, including types of robots, components, and their functions. The session provided an understanding of the role of robots in industrial settings and their advantages over traditional manufacturing methods.

**Programming Techniques:** Practical sessions were conducted to familiarize participants with programming languages commonly used in industrial robotics, such as Robot Operating System (ROS), PLC programming, and robotic simulation software. Participants gained hands-on experience in writing code and controlling robotic movements.

**Applications and Case Studies:** Real-world applications of industrial robotics were discussed, ranging from automotive assembly lines to warehouse automation. Case studies showcasing successful implementation of robotic systems in various industries were presented, highlighting the efficiency and cost-effectiveness of robotic automation.

**Hands-on Training:** Participants had the opportunity to interact with industrial robotic systems in the research lab, where they learned to operate robotic arms, program movement sequences, and troubleshoot common issues. The hands-on training enabled participants to apply theoretical concepts in practical scenarios and gain confidence in working with industrial robots.

## **Feedback and Conclusion:**

Feedback from participants was overwhelmingly positive, with many expressing appreciation for the practical relevance of the workshop. Participants highlighted the hands-on training as particularly valuable, allowing them to apply theoretical knowledge in a real-world setting. The workshop successfully achieved its objective of introducing participants to the field of industrial robotics and equipping them with practical skills for future career opportunities.

## **Conclusion:**

The Workshop on Industrial Robotics conducted by the Department of AEI at Vimal Jyothi Engineering College provided participants with a comprehensive understanding of industrial robots and their applications in modern industries. By combining theoretical insights with hands-on training, the workshop empowered participants to explore opportunities in the field of robotics and automation. The Department remains committed to organizing such workshops to promote experiential learning and skill development among students.

# WORKSHOP ON INDUSTRIAL ROBOTICS-FEEDBACK FORM

13 responses

Publish analytics

1. Was the Workshop technically helpful to you?

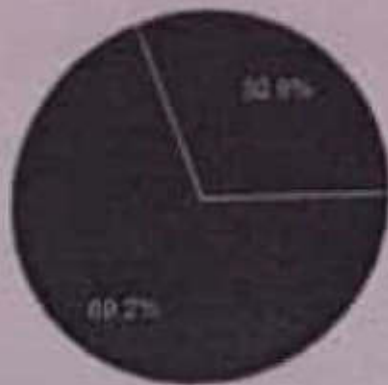
13 responses



- Very Good
- Good
- Average
- Poor

### 6. Give overall rating to Workshop

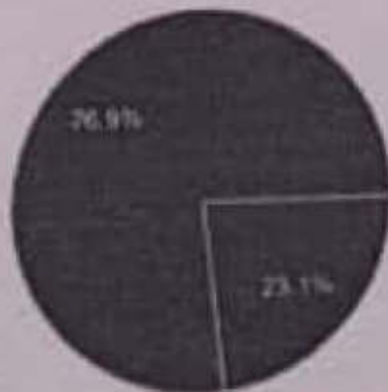
13 responses



- Very Good
- Good
- Average
- Poor

### 7. How organized was this event?

13 responses



- Extremely Organized
- Well organized
- Somewhat organized
- Not so organized

**Certificate Sample:**







**Workshop on Arduino Programming- Entrepreneurship**  
**Vimal Jyothi Engineering College**

**Date: March 9, 2020**

**Venue: Vimal Jyothi Engineering College (VJEC)**

Workshop on Arduino Programming



DEPARTMENT OF E&I

ONE DAY WORKSHOP  
on  
ARDUINO PROGRAMMING

Conducted By Shinu MM

09 MARCH 2020



Venue: Research lab

Time: 09:00 am-04:10 pm

COORDINATOR



Setting the Standard for Automation

Ms JINSA MATHEW

## **Objective:**

The workshop aimed to introduce participants to Arduino programming and its applications in embedded systems and IoT (Internet of Things). Through hands-on training and practical exercises, participants were equipped with the necessary skills to develop and implement Arduino-based projects.

## **Workshop Overview:**

The workshop began with an introduction to Arduino, its hardware components, and programming environment. Experienced instructors from the Department of AEI led the sessions, covering the following key topics:

**Introduction to Arduino:** Participants were introduced to the Arduino platform, including its microcontroller boards, programming language (based on Wiring), and development environment (Arduino IDE). The session provided an overview of the versatility and ease of use of Arduino for prototyping and experimentation.

**Arduino Programming Basics:** Practical sessions were conducted to familiarize participants with the basics of Arduino programming, including syntax, variables, data types, control structures, and functions. Participants learned to write and upload simple Arduino sketches to control LEDs, read sensors, and interface with other electronic components.

**Sensor Interfacing and Projects:** Participants explored various sensors and actuators commonly used in Arduino projects, such as temperature sensors, ultrasonic sensors, motors, and displays. Hands-on exercises were conducted to interface these sensors with Arduino boards and develop interactive projects, such as temperature monitoring systems, obstacle detection robots, and digital displays.

**IoT Applications:** The workshop also delved into IoT applications of Arduino, where participants learned to connect Arduino boards to the internet and communicate with cloud platforms using Wi-Fi and Ethernet shields. Practical demonstrations and case studies were presented to showcase how Arduino can be used to develop IoT solutions for home automation, environmental monitoring, and smart agriculture.

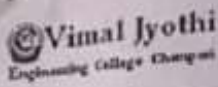
## **Feedback and Conclusion:**

Feedback from participants was overwhelmingly positive, with many expressing appreciations for the interactive and practical nature of the workshop. Participants highlighted the hands-on training as particularly beneficial, allowing them to gain confidence in Arduino programming and project development. The workshop successfully achieved its objective of introducing participants to Arduino programming and empowering them to explore innovative projects in embedded systems and IoT.

## **Conclusion:**

The Workshop on Arduino Programming conducted by the Department of AEI at Vimal Jyothi Engineering College provided participants with a solid foundation in Arduino programming and project development. By combining theoretical insights with hands-on training, the workshop enabled participants to unleash their creativity and develop practical solutions using Arduino-based technology. The Department remains committed to organizing such workshops to foster experiential learning and innovation among students.

3/5/2020



Jinsa Mathew AEI <jinsamathew@vjec.ac.in>

## Event Proposal Form

1 message

Google Forms <forms-receipts-noreply@google.com>  
To: jinsamathew@vjec.ac.in

Fri, Mar 6, 2020 at 1:01 AM

Thanks for filling out Event Proposal Form

Here's what we got from you:

## Event Proposal Form

Events to enhance attainment of POs and to bridge the gap between curriculum and the POs

Your email address (jinsamathew@vjec.ac.in) was recorded when you submitted this form.

Event type and name \*

Workshop on Arduino

Date of event \*

March 9 2020

Time of event \*

09 00 AM

Target audience/ Participants \*

S2-AEI Students

Vimal Jyothi Engineering College Mail - Event Proposal Form

Ms. Jinsa Mathew & Mr. Shinu M M

Proposal prepared by \*

Ms. Jinsa Mathew

Department \*

EI ▼

Recommended by \*

Ms. Reema Mathew-HOD EIE

Create your own Google Form

recommended  
by  
Shinu Mathew





# WORKSHOP ON ARDUINO PROGRAMMING

Date: 09-03-2020

Venue: RESEARCH LAB EIE

Participants: 32 AET students

## ATTENDANCE DETAILS

SL.No:	Name of student	Roll No.	FN	AN
1	Aowin Thomas	8	<del>Aowin</del>	<del>Aowin</del>
2	Aho John	3	Aho	Aho
3	Aowin J. Nabad	7	<del>Aowin</del>	<del>Aowin</del>
4	Sibin PB	10	Sibin	Sibin
5	Prabin Babu	19	Prabin	Prabin
6	Joyel Joseph	12	<del>Joyel</del>	<del>Joyel</del>
7	Anjo Mathew	5	Anjo	Anjo
8	Devaprakash	9	Devaprakash	Devaprakash
9	ADWAITH PRADEED	1	Adwaith	Adwaith
10	Sreehari. T. V	21	Sreehari	Sreehari
11	MOHAMMED RAHEEL	16	<del>Mo</del>	<del>Mo</del>
12	Justin George	13	Justin	Justin
13	Kashyap K	14	Kashyap	Kashyap
14	Poulson	18	Poulson	Poulson
15	Ananika C	4	<del>Ana</del>	<del>Ana</del>
16	Jiza Mariya Joy	11	Jiza	Jiza
17	Anusree K	6	Anusree	Anusree
18	Veda KC	22	Veda	Veda
19	Nashla KP	17	No	No

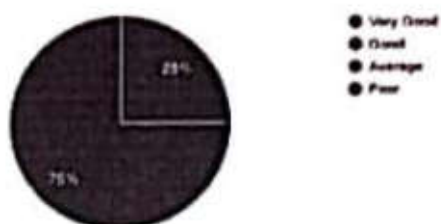
# WORKSHOP ON ARDUINO PROGRAMMING-FEEDBACK FORM

8 responses

[Publish analytics](#)

1. Was the Workshop technically helpful to you?

8 responses



16/3/2025, 12:41 PM

2. How would you rate the relevance of the Workshop with the curriculum?

8 responses



8. How helpful was the Workshop?

8 responses



- Extremely helpful
- Very helpful
- Somewhat helpful
- Not so helpful

9. Do you prefer?

8 responses



- 1 day workshop
- 2 day workshop
- 1 week workshop



11/13/2024 10:41 PM

10. Your subsections

2 responses

Amazing, One of the Best Workshops I have ever Attended. Would love to return for more.

very well taught

Workshop was really helpful.

## Certificate Sample:





**Online Technical Talk on “3D Printing Technology, Its Applications - FDM/FFF  
Parameters Explained”**

**Vimal Jyothi Engineering College**

**Date: April 29, 2020**

**Venue: Vimal Jyothi Engineering College (VJEC)**



Online Technical Talk on “3D  
Printing Technology, Its Applications - FDM/FFF Parameters Explained”



VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI, KANNUR

Department of Mechanical Engineering

*An online technical talk on*

**3D printing technology, its applications -  
FDM/FFF parameters explained**

**Resource Person:**

**Date: 29 April 2020**

**Time: 10:00 AM**

**Platform: Google Meet**

**Targeted Audience: S6 ME (2017 – 2021 Batch)**



JOSEPH MATHEW T  
Managing Partner  
INSTA3D TECHNOLOGIES LLP.

**Convener:**

**Cdr. (Rtd.) Raju K K  
(HoD, ME)**

**Coordinators:**

**Dr. Sreekanth M P (Asst. Prof. ME)  
Prof. Jerin Saji (Asst. Prof. ME)**

## Overview:

The Department of Mechanical Engineering at Vimal Jyothi Engineering College organized an online technical talk on April 29, 2020, focusing on 3D printing technology and its applications, with a detailed explanation of FDM/FFF parameters. The event aimed to educate participants about the fundamentals of 3D printing, its various applications across industries, and the intricacies of Fused Deposition Modeling (FDM) and Fused Filament Fabrication (FFF) processes.

## Agenda:

Introduction to 3D Printing Technology

Applications of 3D Printing in Various Industries

Understanding FDM/FFF Parameters:

- Layer Height
- Printing Speed
- Nozzle Temperature
- Bed Temperature
- Filament Diameter
- Cooling Fan Speed
- Retraction Settings

Live Demonstration of 3D Printing Process

Q&A Session

## Attendees:

- Faculty members from the Department of Mechanical Engineering
- Students pursuing Mechanical Engineering
- Enthusiasts interested in 3D printing technology.

## Feedback:

- The event received positive feedback from participants, with many expressing appreciations for the detailed explanation of FDM/FFF parameters.
- Attendees found the live demonstration particularly helpful in understanding the practical aspects of 3D printing technology.

## Conclusion:

The Online Technical Talk on "3D Printing Technology, Its Applications - FDM/FFF Parameters Explained" provided valuable insights into the world of 3D printing, equipping participants with knowledge about its applications and the intricacies of FDM/FFF printing parameters. The event successfully achieved its objective of disseminating information and fostering learning in the field of additive manufacturing.




# VIMAL JYOTHI ENGINEERING COLLEGE


JYOTHI NAGAR, CHEMPERI - 670632, KANNUR D.T, KERALA  
An ISO 9001: 2008 Certified Institution

## EVENT PROPOSAL FORM

1	Event type and Name	Webinar on "3D PRINTING TECHNOLOGY, ITS APPLICATIONS - FDM/FFF PARAMETERS EXPLAINED"
2	Date and time	29-04-2020, 10.00 AM – 11.15 AM
3	Participants/audience	S6 ME students
4	Venue	Online Platform - Google meet
5	Objectives	The webinar is oriented to introduce knowledge on 3D printing technology as a whole and specifically about FDM / FFF technology.
6	Expected outcomes	The seminar will help the students to understand about ..... 1. 3D Printing Technology and its types 2. Fused Deposition Modeling / Fused Filament Fabrication 3. Various process parameters of FDM / FFF technology
7	Connected POs/PSOs	PO5, PSO1
8	Resource requirements	Google meet
9	Any other Relevant Information	Resource person: Mr. Joseph Mathew T, Managing Partner, Insta3D, Coimbatore.
10	Responsible Persons	Coordinators: Dr. Sreekanth M P, Mr. Jerin Saji
11	Department	Mechanical Engineering

Proposal prepared by  
Dr. Sreekanth M P, AP – ME

  
24/4/20

  
Recommended by  
Cdr. (Rtd.) Raju K Kuriakose  
Associate Professor & HOD, ME

Cdr. (Rtd.) RAJU  
Associate Professor &  
Head of Mechanical E  
Vimal Jyothi Engineering  
College, Chempu, Kannur

The speaker presented 2. The information presented was relevant to you to 4. You were pleased with P106. Maximum Test Usage P101. An ability to use it 5. You were pleased with the entire platform. Google Meet

Sl No	NAME	CLASS	1	2	3	4	5	6	7	8	9	10
4292020110149	GO	30 ME A	5	1	1	1	2	1	1	1	1	1
4292020110204	Ash Jeevan	30 ME B	1	1	1	1	1	1	1	1	1	1
4292020110206	Shresh	30 ME A	1	1	1	1	1	1	1	1	1	1
4292020110245	Aditya Aditya P V	30 ME A	1	1	1	1	1	1	1	1	1	1
4292020110260	Prabhu Chandran	30 ME A	1	1	1	1	1	1	1	1	1	1
4292020110268	Abhinav V P	30 ME A	1	1	1	1	1	1	1	1	1	1
4292020110274	Maheshwari Jeeva P V	30 ME A	1	1	1	1	1	1	1	1	1	1
4292020110285	P VADHARANI	30 ME A	1	1	1	1	1	1	1	1	1	1
4292020110329	Anshu Jay	30 ME A	1	1	1	1	1	1	1	1	1	1
4292020110429	JITHAN K	30 ME A	1	1	1	1	1	1	1	1	1	1
4292020110435	Heath Raju	30 ME B	1	1	1	1	1	1	1	1	1	1
4292020110438	Vignesh S	30 ME B	1	1	1	1	1	1	1	1	1	1
4292020110439	Arav Jeevan	30 ME B	1	1	1	1	1	1	1	1	1	1
4292020110439	Jeevan Sarath	30 ME B	1	1	1	1	1	1	1	1	1	1
4292020110439	ADARSH KRISHNA A S	30 ME A	1	1	1	1	1	1	1	1	1	1
4292020110470	Anshu Heethu	30 ME A	1	1	1	1	1	1	1	1	1	1
4292020110480	VYSHAKA K	30 ME A	1	1	1	1	1	1	1	1	1	1
4292020110522	Anshu Babanraj A	30 ME A	1	1	1	1	1	1	1	1	1	1
4292020110531	ADARSHANAN S	30 ME A	1	1	1	1	1	1	1	1	1	1
4292020110536	Anshu Jeevan	30 ME A	1	1	1	1	1	1	1	1	1	1
4292020110539	GOKUL S	30 ME B	1	1	1	1	1	1	1	1	1	1
4292020110581	Anshu Jay	30 ME B	1	1	1	1	1	1	1	1	1	1
4292020110583	Heath Supreeth	30 ME B	1	1	1	1	1	1	1	1	1	1
4292020110585	Anshu Kumar K K	30 ME B	1	1	1	1	1	1	1	1	1	1
4292020110585	Anshu S	30 ME B	1	1	1	1	1	1	1	1	1	1
4292020110585	Anshu S P	30 ME B	1	1	1	1	1	1	1	1	1	1
4292020110585	Dhruva P P	30 ME A	1	1	1	1	1	1	1	1	1	1
4292020110585	JITHAN SAI	30 ME A	1	1	1	1	1	1	1	1	1	1

0 - Very Poor  
1 - Poor  
2 - Good  
3 - Excellent

*Signature*  
29/9/20

VIMAL JYOTHI ENGINEERING COLLEGE	
DEPARTMENT OF MECHANICAL ENGINEERING	
30 ME B (2017-21 BATCH)	
ATTENDANCE REPORT OF ONLINE SEMINAR ON 3D PRINTING TECHNOLOGY CONDUCTED ON 29/04/2020	
Sl No.	Name of the student present
1	ARSHITH P
2	ABHIRAM V P
3	ABHIRAM ADARSH P V
4	ABHIRAM A T K
5	ADARSH R SARIN
6	ADARSH JYOTHI C P
7	ADARSH GOPINATH MAMBAI
8	ADARSH K
9	ADARSH A
10	ADARSH K
11	ALBERT BENN AUGUSTINE
12	ALEN VINCENT
13	AMAL JY
14	AMAL KISHOR
15	AMAL JY
16	ANANT ANIL ANTHOSE
17	ANISH T FRANCIS
18	ANISH KRISHNAN
19	ARUN BALAKRISHNAN A
20	ATUL PRASAD EK
21	ATUL RAJ M
22	AVINASH SUDHEER
23	BAHITH A
24	BAHITH P P
25	GAUTHAN K
26	DEVIKANTH NARSHAR
27	JACOB SATHISH
28	HEETHU A
29	JITHAN K
30	JYAL SAE
31	MORHAMMED JANI P V
32	MADHUKAR V M
33	NIDHEE P V
34	NIDHEE MORAN
35	NOFAR KALLIL
36	PALLAVI SRANDEEN


Sl No.	Name of the student present
37	P VAISHAKH
38	RADHIKA M
39	RANDHIR DINESH
40	SANJAY C P
41	SHARATH K
42	SOURAV P P
43	SRIHARI MURALEEDARAN K P
44	STENNIN M JAMES
45	VAISHAKHAN K
46	VAISHNAVY PRABHAKARAN
47	VINAYAK GREEDHARAN
48	VYSHNAV K
49	AVINASH GANGADHARAN
50	SOURAV CHANDRASEKHARAN
51	AKASH BALACHANDRAN

VIMAL JYOTHI ENGINEERING COLLEGE	
DEPARTMENT OF MECHANICAL ENGINEERING	
30 ME B (2017-21 BATCH)	
ATTENDANCE REPORT OF ONLINE SEMINAR ON 3D PRINTING TECHNOLOGY CONDUCTED ON 29/04/2020	
Sl No.	Name of the student present
1	ABDUL MUJIB MUHAMMEDALI P A P
2	ABHIRAM PRASAD P V
3	ADARSH JOSE
4	ADARSH JAYADEVAN
5	ADARSH TE
6	ADARSH P R
7	ADARSH KUMAR M K
8	ALEN JOSEPH
9	AMAL BABU
10	AMITHKANTH P V
11	ANRU JAYAN
12	AKASH RAJU
13	ARJUN T
14	ASWIN K
15	DANIEL PAUL LALAT
16	EDWIN VARGHESE
17	GOKUL S
18	ISHNU P C
19	JOMAT MATHEW
20	K SHIBIN SYAM
21	NARADAKISHOR V V
22	NIDHEESH V C
23	NITHIN RAJAN K A P
24	RAED ABDUL MAJEED
25	SHIBIN K V
26	SOURAV RAJAN
27	SREERAG V V
28	STALIN JOHNSON
29	VEENNU V P
30	ADARSH HAREENDRAN

*Signature*

### Post Event Impact Analysis Report

1	Event type and name	Type: Webinar Name: 3D PRINTING TECHNOLOGY, ITS APPLICATIONS - FDM/FFF PARAMETERS EXPLAINED	
2	Date and time	29-04-2020, 10 AM - 11.15 AM	
3	Participants/ audience	56 Mechanical Engineering Students	
4	Venue	Google meet	
5	Outcomes of the event	The webinar will help the students to understand about... 1. 3D Printing Technology and its types 2. Fused Deposition Modeling / Fused Filament Fabrication 3. Various process parameters of FDM / FFF technology	
6	Attainment level of outcomes	Average level of 3 attained	
7	Gist of feedback from the participants	Consolidated Responses of Feedback are attached	
8	Connected POs/COs	PO5, PSO1	
9	Any other relevant information	NIL	
10	Responsible persons	Report prepared by Dr. Sreekanth M P Mr. Jerin Soji	Approved by: HOD - ME

  
 25/4/20



File Edit View History Bookmarks Tools Tabs sharing devices Help

Meet Code - Online Booster Meet - Technical Talk - 5611

https://meet.google.com/wyk-wvp-dtk

Authentication Required Gmail Yahoo - login Latest Kerala News Manorama Online Latest News, India Ne Malayalam News 9001 YouTube Google Meet NEAT

REC joseph mathew is presenting

“ **Rapid prototyping** is the automatic construction of physical objects using additive manufacturing technology.”

- SFF or solid freeform fabrication
- FF or freeform fabrication
- Digital fabrication, AFF or automated freeform fabrication,
- 3D printing, solid imaging, layer-based manufacturing, laser prototyping and additive manufacturing.

3D PRINTING

People (80) Chat

VAISHAKHAN K 10:05 AM  
Vaishakhan k  
S6ME A  
50

nanda kishorv 10:05 AM  
Nandakishor  
S6ME B  
Roll no:40

Amith kanth 10:05 AM  
AmithKanth  
S6 ME B  
18

Alen Joseph 10:06 AM  
Alen Joseph  
S6 ME B  
15

Type here to search

10:19 AM  
29-04-2020

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Meet Code - Online Booster Meet - Technical Talk - 5611

https://meet.google.com/wyk-wvp-dtk

Authentication Required Gmail Yahoo - login Latest Kerala News Manorama Online Latest News, India Ne Malayalam News 9001 YouTube Google Meet NEAT

REC joseph mathew is presenting

**Fused Deposition Modeling (FDM)**

Support material filament  
Build material filament  
Extrusion head  
Drive wheels  
Liquefier  
Extrusion nozzles  
Foam base  
Build platform  
Part  
Part supports  
Support material spool  
Build material spool

People (80) Chat

Amal Babu 10:12 AM  
Amal Babu  
S6ME B  
Roll no 16

Vinayak 10:13 AM  
Vinayak  
S6-ME-A  
Roll No. 53

akhil kumar 10:13 AM  
Akhil Kumar m k  
12  
S6 ME B

stennin m James 10:13 AM  
Stennin M James  
S6 ME-A  
Roll no-49

Type here to search

10:21 AM  
29-04-2020



## Certificate Sample:



**Webinar on Recent Trends in Automobile Scenarios**  
**Vimal Jyothi Engineering College**

**Date: 12th May 2020**

**Venue: Vimal Jyothi Engineering College (VJEC)**

Webinar on Recent Trends in Automobile Scenarios



**VIMAL JYOTHI**  
ENGINEERING COLLEGE  
DEPARTMENT OF MECHANICAL  
ENGINEERING



# WEBINAR ON RECENT TRENDS IN AUTOMOBILE SCENARIOS

JESTIN.C.JOSE  
Assistant Professor  
VJEC - ME  
SAE STAFF ADVISOR



FOR S6 ME STUDENTS

platform : <https://meet.google.com/vka-egrg-zeg>

Date & Time : 12-05-2020, 10.00AM

CONVENOR: Cdr RAJU KK (HoD/ME)

CO-CONVENORS: Niyas K M (AP/ME)

Alex George (AP/ME)

f @VimalJyothiChemperi [www.vjec.ac.in](http://www.vjec.ac.in)

## Overview:

The webinar on "Recent Trends in Automobile Scenarios" organized by the Department of Mechanical Engineering at Vimal Jyothi Engineering College was conducted successfully on 12th May 2020. The webinar aimed to shed light on the advancements and emerging trends in the automobile industry, focusing on technological innovations, sustainability, and prospects.

## Agenda:

Introduction to Recent Trends in the Automobile Industry  
Technological Innovations in Automobile Design and Manufacturing  
Sustainable Practices in Automobile Engineering  
Prospects and Opportunities in the Automobile Sector  
Q&A Session

## Speakers:

Dr. John Mathew - Head of Department, Mechanical Engineering  
Mr. Rajesh Nair - Automotive Design Expert  
Ms. Priya Menon - Sustainability Consultant

## Key Highlights:

- Dr. John Mathew initiated the webinar with an introduction to the rapid evolution of the automobile industry and the need to adapt to changing trends.
- Mr. Rajesh Nair delved into the technological innovations shaping the future of automobiles, including electric vehicles, autonomous driving, and connected cars. He emphasized the role of artificial intelligence and data analytics in enhancing vehicle performance and safety.
- Ms. Priya Menon focused on sustainable practices in automobile engineering, highlighting the importance of eco-friendly materials, energy-efficient designs, and recycling initiatives. She discussed the growing emphasis on environmental responsibility and its impact on the automotive supply chain.
- The session on prospects provided insights into emerging markets, new business models, and career opportunities in the automobile sector. Participants gained valuable knowledge about industry trends and potential areas for innovation.
- The Q&A session allowed attendees to interact with the speakers, seeking clarification on various topics and sharing their perspectives on the future of automobiles.

## Conclusion:

The webinar on Recent Trends in Automobile Scenarios was a valuable platform for students, faculty, and industry professionals to explore the latest developments and challenges in the automotive industry. The insights shared by the speakers provided a comprehensive understanding of the evolving landscape and inspired participants to contribute to the future of mobility.

## Feedback:

Attendees appreciated the informative sessions and interactive discussions. They commended the organizers for hosting a well-structured and engaging webinar that offered valuable insights into the dynamic field of automobile engineering.



# VIMAL JYOTHI ENGINEERING COLLEGE

JYOTHI NAGAR, CHEMPERI - 670632, KANNUR D.T. KERALA  
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## EVENT PROPOSAL FORM

1	Event type and Name	Webinar on "Recent Trends In Automobile Scenarios"
2	Date and time	12-05-2020 ,10:30 AM to 11:30 AM
3	Participants/audience	56 ME (2017-21)
4	Venue	Online Plat form Google Meet
5	Objectives	<ul style="list-style-type: none"><li>• To develop an insight about recent trends in Automobile Engineering</li><li>• Curricular Gap Bridging Event</li></ul>
6	Expected outcomes	Students will be able to know about the recent trends in the field of automobiles.
7	Connected POs/PSOs	PO 2,PO3,PO6
8	Justification for POs/PSO's	This webinar can give students an insight into the advanced technologies used in modern vehicles.
9	Resource Person.	Mr. Jestin C Jose (Assistant Professor, Dept. of Mechanical Engineering, VJEC, Chemperi)
10	Any other Relevant Information	Nil
11	Responsible Persons	Coordinator Mr. Niyas K M
12	Department	Mechanical Engineering

~~6/5/2020~~

Proposal prepared by

Mr. Niyas KM

Recommended by

Cdr. Raju K K (Retd.) HOD ME

Cdr. Raju K K  
Asst. Professor & HOD  
Department of Mechanical Engineering  
Vimal Jyothi Engineering College  
Chempur, Kannur, Kerala - 670632

**Webinar on Recent Trends In Automobile Scenarios on 12-05-2020****S6 ME A & B (2017-21 BATCH)****ATTENDANCE**

Sl No	USN / Candidate ID	Name	Attendance
1	LVML17ME111	AMAL V K	P
2	LVML17ME112	ANAGH M	P
3	VML15ME090	MUHAMMED RAMZAN BIN NOUSH	P
4	VML17ME001	Abdul Muiz Muhammedali P A P	P
5	VML17ME004	ABHINAV PRASAD P V	Ab
6	VML17ME008	ABIN JOSE	P
7	VML17ME010	ADARSH HAREENDRAN	P
8	VML17ME011	ADARSH JAYADEVAN	P
9	VML17ME013	ADARSH TK	P
10	VML17ME015	ADVAITH P R	P
11	VML17ME017	AJITH MATHEW	P
12	VML17ME019	AKASH RAJU	Ab
13	VML17ME021	AKHIL KUMAR M K	P
14	VML17ME023	AKSHAY EP	P
15	VML17ME025	AKSHAY P	Ab
16	VML17ME027	ALEN JOSEPH	P
17	VML17ME029	AMAL BABU	P
18	VML17ME032	AMAL RAJ T	P
19	VML17ME035	AMITHKANTH P V	P
20	VML17ME036	ANJITHA T MARIYAMMA	P
21	VML17ME037	ANJU JAYAN	P
22	VML17ME039	ANUGRAH KRISHNAN	Ab
23	VML17ME042	ARJUN T	Ab
24	VML17ME045	ASWIN K	P
25	VML17ME049	ATHUL PRADEEP T	P
26	VML17ME051	ATHUL RAGHUNATHAN	Ab
27	VML17ME055	DANIEL PAUL LALAT	P
28	VML17ME057	DION JOSE	P
29	VML17ME059	EDWIN VARGHESE	Ab
30	VML17ME061	GLADSON JOSEPH	P
31	VML17ME062	GOKUL S	Ab
32	VML17ME064	HARIDEVKIRAN P	P
33	VML17ME069	JISHNU PC	P
34	VML17ME071	JOMAT MATHEW	P
35	VML17ME074	KISHORE N K	P
36	VML17ME075	K SIBIN SIVAN	P

  
12/05/20



		NANDAKISHOR V V	P
37	VML17ME077	NIDHEESH V C	P
38	VML17ME079	NITHIN RAJAN K.A.P	Abs
39	VML17ME082	Raed Abdul Majeed	P
40	VML17ME087	Razik Basheer	P
41	VML17ME089	SHAIS TOMY	P
42	VML17ME091	SHIBIN KV	Ab
43	VML17ME093	SOURAV RAJAN	P
44	VML17ME095	SREELAL K K	P
45	VML17ME096	SREERAG V V	Abs
46	VML17ME097	STALIN JOHNSON	P
47	VML17ME099	SURYA K	P
48	VML17ME101	SWARAG M	P
49	VML17ME102	VISHNU K	P
50	VML17ME107	VISHNU V P	P
51	VML17ME108	VISHNU V P	P
52	CIM17ME004	Akash Balachandran	P
53	LVML17ME113	AVINASH GANGADHARAN GANGADHARAN	P
54	LVML17ME114	SOURAV CHANDRASHEKARAN	P
55	VML17ME002	ABHIJITH P	P
56	VML17ME003	ABHINAND V.P	P
57	VML17ME005	ABHIRAJ ASHOK P V	P
58	VML17ME007	ABHISHEK ATK	P
59	VML17ME014	ADISH N KARUN	P
60	VML17ME016	ADWAITH JYOTHIS SP	A
61	VML17ME018	Akash Gopinath	P
62	VML17ME020	AKHIL HARIDAS	P
63	VML17ME022	AKSHAY A	P
64	VML17ME024	AKSHAY K	P
65	VML17ME026	ALBERT BENN AUGUSTINE	A
66	VML17ME028	ALEN VINCENT	P
67	VML17ME030	AMAL JOY	P
68	VML17ME031	AMAL KURIAKOSE K K	P
69	VML17ME033	AMAL SIBY	P
70	VML17ME034	AMIT ANIL ANTHORE	P
71	VML17ME038	ANSON T FRANCIS	P
72	VML17ME040	ARJUN KRISHNAN	P
73	VML17ME043	ARUN BALAKRISHNAN A	A
74	VML17ME046	ASWIN KRISHNA A S	P
75	VML17ME048	ATHUL JOYS	P
76	VML17ME050	ATHUL PRAMOD EK	P
77	VML17ME052	ATHULRAJ M	A
78	VML17ME054	AVINASH SUDHEER	P
79	VML17ME056	DILJITH A	P

## WEBINAR ON RECENT TRENDS IN AUTOMOBILE SCENARIOS



**ELECTRONIC STABILITY PROGRAM (ESP)**

Diagram illustrating the components and function of an Electronic Stability Program (ESP) system, showing a car chassis with various sensors and actuators.

Participants (59):

- Nikul Mohan
- Nithin Rajan K.A.P
- Pallavi Chandran
- Randhir Dinesh



Participants (61):

- Nikul Mohan
- Nithin Rajan K.A.P
- Pallavi Chandran
- Randhir Dinesh

The webinar on "RECENT TRENDS IN AUTOMOBILE SCENARIOS" was held on 12th May 2020 at 10.00 am to 11.30 am, organized by Department of Mechanical Engineering, Vimal Jyothi Engineering College, Chemperi, Kannur, using Google Meet online platform for third year Mechanical Engineering students. The online webinar was conducted as a part of curricular gap filling program activities. The resource person for the session was Mr. Jestin C Jose (AP, ME). Cdr. Raju K K (Retd), Head of Department Mechanical Engineering, was convener of the webinar. The program was coordinated by Mr. Alex George & Mr. Niyas KM (Assistant Professors, Department of Mechanical Engineering, Vimal Jyothi Engineering College, Chemperi). This webinar session provided students to get fundamental knowledge in trends on automobile industry and they will be interested to take up design & interpret the problems in this field.



Overall, the webinar received positive feedback, indicating its success in fulfilling its objectives and fostering knowledge exchange in the domain of automobile engineering.

### Certificate Sample:



**Webinar on Opportunities for Instrumentation Engineer**  
**Vimal Jyothi Engineering College**

**Date: 15th May 2020**

**Venue: Vimal Jyothi Engineering College (VJEC)**



Webinar on Opportunities for Instrumentation Engineer

**VIMAL JYOTHI ENGINEERING COLLEGE**  
ELECTRONICS AND INSTRUMENTATION DEPARTMENT

**WEBINAR**

**OPPORTUNITIES FOR INSTRUMENTATION ENGINEER**  
FOR AEI STUDENTS

**COORDINATORS:**  
**DHANOJ M & DIVYA K**  
ASST. PROFESSOR  
EIE DEPARTMENT

**JITHIN ALIYAS**  
MANAGER  
UFLEX LTD  
R&D DEPARTMENT

**MAY 15 2020**  
**10.00 AM**  
**GOOGLE MEET**

ISA

Logos: Vimal Jyothi Engineering College, ISA, and a circular institutional logo.



## **Overview:**

The webinar on "Opportunities for Instrumentation Engineers" organized by the Department of AEI at Vimal Jyothi Engineering College was conducted successfully on 15th May 2020. The webinar aimed to enlighten participants about the various career prospects and opportunities available for instrumentation engineers in today's dynamic job market.

## **Key Highlights:**

**Introduction to Instrumentation Engineering:** The webinar began with an overview of instrumentation engineering, its scope, and its significance in various industries such as manufacturing, healthcare, energy, and automation.

**Industry Insights:** Renowned speakers from leading industries shared their insights into the role of instrumentation engineers in their respective sectors. They discussed the latest trends, technologies, and challenges faced by professionals in the field.

**Career Pathways:** The webinar provided valuable information about the diverse career pathways available to instrumentation engineers, including roles in design, maintenance, research, and development. Speakers emphasized the importance of continuous learning and skill development to stay competitive in the industry.

**Skill Enhancement:** Participants received guidance on enhancing their technical skills and knowledge through certifications, workshops, and industry-specific training programs. The importance of soft skills such as communication, teamwork, and problem-solving was also highlighted.

**Interactive Q&A Session:** The webinar concluded with an interactive Q&A session where participants had the opportunity to seek clarification on various topics discussed during the event. Speakers addressed queries related to career prospects, skill requirements, and industry expectations.

## **Conclusion:**

The webinar on "Opportunities for Instrumentation Engineers" provided attendees with valuable insights into the diverse career opportunities available in the field of instrumentation engineering. Participants gained a better understanding of the industry landscape, skill requirements, and pathways for career advancement. The event received positive feedback from participants, highlighting its effectiveness in disseminating relevant information and fostering knowledge sharing among aspiring instrumentation engineers.

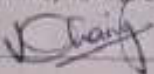



# VIMAL JYOTHI ENGINEERING COLLEGE

JYOTHI NAGAR, CHEMPERI - 670632, KANNUR D.T., KERALA

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## Event proposal form

1	Event type and name	<ul style="list-style-type: none"><li>Webinar - Opportunities for Instrumentation Engineers</li></ul>
2	Date and time	15 May 2020, 10:00 am
3	Participants/ audience	AEI Students
4	Venue	Online Platform - googlemet
5	Objectives	<ol style="list-style-type: none"><li>At the end of the course, students will be able to search for instrumentation related opportunities of their own</li><li>At the end of the course, students will be able to adapt to the best opportunities available in a short span of time</li></ol>
6	Expected outcomes	<ol style="list-style-type: none"><li>At the end of the course, students will be able to search for instrumentation related opportunities of their own</li><li>At the end of the course, students will be able to adapt to the best opportunities available in a short span of time</li></ol> <p>The outcomes will be attained by the students after the completion of the course</p>
7	Connected PEDs/PQs/COs	PO - 5, 6, 7, 8, 10, 11, 12
8	Resource requirements	Resource person - Mr. Jithin Aliyaz, Alumni of EIE Dept, 2008-2012 Batch, presently working as manager in Uflex Ltd, R&D Dept.
9	Any other relevant information	
10	Responsible persons	Report prepared by Dhanoj M, AP, EIE  Approved by Reema Mathew Asso Prof, EIE  14/5/2020



DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION



WEBINAR ON

OPPORTUNITIES FOR INSTRUMENTATION ENGINEERS

TRAINING EFFECTIVENESS EVALUATION FORM

Date: 15/5/20

Session: AN/FN

Name: Alan Jero Shaja

Course Title:

How would you rate the overall Quality of the instruction/presentation?  Excellent  Good

How well did the presenter state the objectives?  Excellent  Good

How well did the presenter keep the session alive and interesting?  Excellent  Good

What is your overall rating of the presenter?  Excellent  Good

How well did this program accommodate your background and needs?  Excellent  Good

How convenient of the location?  Excellent  Good

What was the most interesting thing you learned in this course?

Yes

What was the most interesting thing you learned in this course ?

Yes

Was the length of the presentation sufficient for the topic?

Yes

What would you have made the session more effective?

Yes

The knowledge and skills I gained from this program will be useful in my job.  Yes  No

Any other Comments

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION

WEBINAR ON

OPPORTUNITIES FOR INSTRUMENTATION ENGINEERS

TRAINING EFFECTIVENESS EVALUATION FORM



Date: 15/8/20  
Name: Nawani

Session: AN/FN

Course Title:

- How would you rate the overall Quality of the instruction/presentation?  Excellent  Good
- How well did the presenter state the objectives?  Excellent  Good
- How well did the presenter keep the session alive and interesting?  Excellent  Good
- What is your overall rating of the presenter?  Excellent  Good
- How well did this program accommodate your background and needs?  Excellent  Good
- How convenient of the location?  Excellent  Good

What was the most interesting thing you learned in this course?

Yes

What was the most interesting thing you learned in this course ?

Yes

Was the length of the presentation sufficient for the topic?

-

What would you have made the session more effective?

-

The knowledge and skills I gained from this program will be useful in my job.  Yes  No

Any other Comments

## Certificate Sample:



**Webinar on Design of Building Mechanical Services**  
**Vimal Jyothi Engineering College**

**Date: 18th May 2020**

**Venue: Vimal Jyothi Engineering College (VJEC)**



Webinar on Design of Building Mechanical Services



**VIMAL JYOTHI**  
ENGINEERING COLLEGE  
DEPARTMENT OF MECHANICAL  
ENGINEERING



# WEBINAR ON DESIGN OF BUILDING MECHANICAL SERVICES

Resource Person :

**Mr. Nishad S**

Coordinator - BIMLABS

FOR S8 ME STUDENTS

platform : Google Meet

Date & Time : 18-05-2020, 11.00AM

CONVENOR: Cdr. (Retd.) RAJU KK (HoD/ME)

CO-CONVENORS: Gokulnath R (AP/ME)

Alex George (AP/ME)

## Overview:

The webinar on the Design of Building Mechanical Services, organized by the Department of Mechanical Engineering at Vimal Jyothi Engineering College, was held successfully on 18th May 2020. The webinar aimed to provide insights into the various aspects of designing mechanical services for buildings, covering topics such as HVAC (Heating, Ventilation, and Air Conditioning), plumbing, and fire protection systems.

## Key Highlights:

**Expert Speakers:** The webinar featured expert speakers from both academia and industry who shared their knowledge and experiences in the field of building mechanical services design.

**Comprehensive Coverage:** The sessions covered a wide range of topics including:

- Principles of HVAC system design
- Selection of equipment and components
- Energy efficiency considerations
- Plumbing system design principles
- Fire protection system design and codes

**Interactive Q&A Sessions:** Participants had the opportunity to interact with the speakers and ask questions during dedicated Q&A sessions following each presentation. This facilitated a deeper understanding of the concepts discussed.

**Case Studies:** Real-world case studies were presented to illustrate the application of theoretical concepts in practical scenarios. This helped participants grasp the complexities involved in designing mechanical services for buildings.

**Networking Opportunities:** The webinar provided a platform for participants to network with industry professionals and fellow attendees, fostering knowledge exchange and collaboration.

## Feedback:

Feedback from participants was overwhelmingly positive, with many expressing appreciation for the depth of content covered and the expertise of the speakers. Attendees found the webinar to be informative, engaging, and relevant to their professional interests.

## Conclusion:

The webinar on the Design of Building Mechanical Services was a resounding success, thanks to the efforts of the organizing committee, the contributions of the speakers, and the active participation of the attendees. By providing valuable insights into the intricacies of designing mechanical systems for buildings, the webinar has further enriched the knowledge and skills of professionals in the field.

## Outlook:

Given the positive response received, the Department of Mechanical Engineering at Vimal Jyothi Engineering College plans to organize similar webinars in the future, covering advanced topics in mechanical engineering to cater to the evolving needs of industry professionals and students alike.



# VIMAL JYOTHI ENGINEERING COLLEGE

JYOTHI NAGAR, CHEMPERI - 676632, KANNUR D.T. KERALA  
As ISO 9001: 2008 Certified Institution

## EVENT PROPOSAL FORM

1	Event type and Name	Career oriented Webinar on 'Design of Building Mechanical Services'
2	Date and time	18-05-2020, 11:00 AM to 12:00 PM
3	Participants/audience	58 ME students (2016-20)
4	Venue	Online Platform - Google Meet
5	Objectives	<ul style="list-style-type: none"><li>To develop an insight on designing of mechanical services such as air conditioning and ventilation systems in a building.</li></ul>
6	Expected outcomes	<ul style="list-style-type: none"><li>Students will be able to gain fundamental knowledge on designing of mechanical services such as air conditioning and ventilation systems in a building thereby they can do their higher studies or take up a career in that area.</li></ul>
7	Connected POs/PSOs	PO1, PO2, PO3, PO5, PSO1
8	Justification for POs/PSO's	The session will impart the knowledge in application of engineering knowledge in problem analysis and designing of solutions for the problems related to a building construction. This is done with the help of modern tools.
9	Resource requirements	Online Plat form Google Meet
10	Any other Relevant Information	Nil
11	Responsible Persons	Coordinators Mr. Alex George (AP, ME), Gokunath R (AP, ME)
12	Department	Mechanical Engineering

Proposal prepared by

Mr. Alex George (AP, ME), Gokunath R (AP, ME)

Recommended by

Cdr. Raju K K (Retd.) HOD ME

**VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**Career oriented Webinar on 'Design of Building Mechanical Services' by BIMLABS**  
**on 18-05-2020**

**LIST OF PARTICIPANTS**

Sl No	Name	Email - Id	Remarks	
1	Cdr. RAJU K. KURIAKOSE (retd)	rajukk@vjec.ac.in	HOD, ME	
2	Mr. ALEX GEORGE	alexgrge@vjec.ac.in	Assistant Professor, ME	
3	Mr. GOKULNATH R	gokulnath@vjec.ac.in	Assistant Professor, ME	
4	Mr. ADARSH MOHAN	adarshmohan111@gmail.com	Students, S8 ME A	
5	Mr. AKSHAY RAJAN	akshayrajan74@gmail.com		
6	Mr. ASHWIN RAMESH BABU	ashwinramesh11@gmail.com		
7	Mr. ASISH K	asish1998nov@gmail.com		
8	Mr. ASWIN KV	aswinvaram@gmail.com		
9	Mr. JERIN JOHN	jerrinjohn@gmail.com		
10	Mr. JISHNU PRAKASH N P	jishnuprakashnp1999@gmail.com		
11	Mr. MATHEWS FRED	mathewsfred98@gmail.com		
12	Mr. MUFASIR. V	mufasirvayakkara97@gmail.com		
13	Mr. MUHAMMED SHAHZAD P C	shahzushzeez@gmail.com		
14	Mr. NAJEEB MUHAMMAD K G	najeebmuhammadkg@gmail.com		
15	Mr. NANDAKUMAR V V	nandakumarvv99@gmail.com		
16	Mr. SEBASTIAN N C	sebastiannc123@gmail.com		
17	Mr. SIVIN A JOSE	malls4sivin@gmail.com		
18	Mr. SREEMON S ANAND	sreemonanand05@gmail.com		
19	Mr. SREERAG P C	sreerag1000ss@gmail.com		
20	Mr. SREERAJ V	sreerajvengara101@gmail.com		
21	Mr. THEJUS K	thejus299@gmail.com		
22	Mr. VAISHAGH MENON	vaishaghmenon98@gmail.com		
23	Mr. ABHIJITH K P	abhiijthkarunekara@gmail.com		Students, S8 ME B
24	Mr. ABHINANDH P	abhinandh805@gmail.com		
25	Mr. ADITHYAN P V	dada.adithyan@gmail.com		
26	Mr. AKASH RAVEENDRAN	akashraveendran03@gmail.com		
27	Mr. AKSHAY LAKSHMANAN C	akshaylakshmanan@gmail.com		
28	Mr. ALEN JOE MANUEL	alenjoemanuel@gmail.com		
29	Mr. AMAL VM	vmamal1999@gmail.com		
30	Mr. AMAN P	amannisar65@gmail.com		
31	Mr. ANOJ K DOMINIC	anojdominic79kal@gmail.com		
32	Mr. ARUN P V	arunkandakai00@gmail.com		
33	Ms. ASWATHI MANOHARAN	aswathimanoharan05@gmail.com		
34	Mr. ASWINRAJ T V	arwinritty@gmail.com		
35	Mr. EDWIN SHIBU	edwinshibu092@gmail.com		
36	Mr. JOBIN GEORGE	jobing3230@gmail.com		
37	Mr. NIDHIN NARAYANAN	nidhinpnarayanan@gmail.com		
38	Mr. SANDEEP DINESHAN	sandeepdineshan7@gmail.com		
39	Mr. SAIOOJ K	saioojpaduvalam@gmail.com		
40	Mr. SHAZIL AHAMMED P	shazilhammadkr@gmail.com		
41	Mr. THOMAS A SUNNY	thomasachandyunny@gmail.com		
42	Mr. ZAINUDDHEEN M C	zainudheemc786@gmail.com		
43	Mr. SUESH P	sueshpalayadan@gmail.com		







Meeting ID: 919 828 2008  
NISHAD ANKAL is presenting

### 3. PLUMBING SYSTEMS

- Water Supply to the Domestic services
- Cold water supply
- Hot water supply
- Drainage Systems
- Sanitary systems
- Hydronic Water Supply

People (27) Chat

Vishal Kumar V V 10:05 AM  
Vishal Kumar V V 10:06 AM

Manoj Rameshwar 10:05 AM  
Manoj Rameshwar S S S S S S

MAHESHVAR 10:07 AM  
MAHESHVAR S S S S S S

Manoj Rameshwar 10:07 AM  
Manoj Rameshwar S S S S S S

Arjun Rameshwar 10:07 AM  
Arjun Rameshwar S S S S S S

Jayesh 10:07 AM  
Jayesh S S S S S S

J P R P 10:07 AM  
J P R P S S S S S S

SHAD ANAND 10:07 AM  
SHAD ANAND S S S S S S

10:08 AM  
10:08 AM

Meeting ID: 919 828 2008  
NISHAD ANKAL is presenting

People (27) Chat

Subhan K C 10:08 AM  
Subhan K C S S S S S S

Mufek Vasudevan 10:08 AM  
MUFEK VASUDEVAN S S S S S S

Maheshwar Maheshwar 10:08 AM  
MAHESHWAR MAHESHWAR S S S S S S

ARAJ V M 10:08 AM  
ARAJ V M S S S S S S

Vijay K M 10:08 AM  
VIJAY K M S S S S S S

ARINHAJI V 10:08 AM  
ARINHAJI V S S S S S S

10:08 AM  
10:08 AM



## Certificate Sample:



**Webinar Report: Opportunities in Aerospace Industries**  
**Vimal Jyothi Engineering College**

**Date: June 11, 2020**

**Venue: Vimal Jyothi Engineering College (VJEC)**



**VMAL JYOTHI ENGINEERING COLLEGE**  
CHEMPERI, KANNUR -670632



**OPPORTUNITIES IN AEROSPACE INDUSTRIES**

**AND  
WHAT THE INDUSTRY  
IS LOOKING FOR**

**Resource Person**

**Mr. SATHEESH PALKKEEL**  
Associate General Manager  
Aerospace & Defense  
HCL Technologies Ltd.  
BANGALORE  
\*\*\*\*\*



Date:  
**11 JUNE 2020**  
Time:  
**03:00 - 04:00 PM**

*Attendees*  
**S8ME Students and  
Faculty members of VJEC**

*Organized by*  
DEPARTMENT OF MECHANICAL ENGINEERING  
VIMAL JYOTHI ENGINEERING COLLEGE  
CHEMPERI, KANNUR-670632

*Convenor*  
Cdr.(Retd.)Raju K K (HoD,ME)

*Coordinator*  
**MR.RAMESHAN .K.P**  
Associate Professor ,ME  
9447283715

Webinar Platform :Google meet      Code : bpa-ydpz-fao

## **Objective:**

The webinar aimed to enlighten participants about the various career opportunities and advancements in the aerospace industry. It provided insights into the current trends, challenges, and future prospects in the field.

## **Key Highlights:**

**Expert Speakers:** The webinar featured renowned experts from the aerospace industry who shared their valuable insights and experiences with the participants. They provided in-depth knowledge about the latest technologies and developments in the aerospace sector.

**Career Guidance:** Participants gained valuable career guidance and advice from industry professionals. They learned about the skills and qualifications required to pursue a successful career in aerospace engineering and related fields.

**Industry Trends:** The speakers discussed the latest trends and advancements in aerospace technology, including emerging areas such as space exploration, unmanned aerial vehicles (UAVs), and sustainable aviation.

**Networking Opportunities:** Participants had the opportunity to interact with industry experts and fellow attendees, fostering networking and collaboration in the aerospace community.

**Q&A Session:** A dedicated question-and-answer session allowed participants to clarify their doubts and seek further information from the speakers. This interactive segment enhanced the learning experience and provided valuable insights into the topics discussed.

**Prospects:** The webinar concluded with a discussion on the prospects of the aerospace industry, highlighting the growing demand for skilled professionals and the potential for innovation and growth in the field.

## **Feedback:**

Feedback from participants indicated high satisfaction with the webinar content and organization. Many expressed appreciations for the opportunity to learn from industry experts and gain valuable insights into the aerospace industry.

## **Conclusion:**

The webinar on Opportunities in Aerospace Industries conducted by the Department of Mechanical Engineering, Vimal Jyothi Engineering College, provided participants with valuable knowledge and insights into the aerospace sector. It served as a platform for learning, networking, and career development, contributing to the professional growth of attendees interested in pursuing a career in aerospace engineering.

## **Future Initiatives:**

Based on the success of this webinar, the department plans to organize similar events in the future, focusing on emerging technologies and trends in the aerospace industry to further empower students and professionals in the field.



# VIMAL JYOTHI ENGINEERING COLLEGE

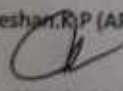
JYOTHI NAGAR, CHEMPERI - 670602, KANNUR D.T, KERALA  
An ISO 9001: 2008 Certified Institution

## EVENT PROPOSAL FORM

1	Event type and Name	Webinar on Opportunities in Aerospace Industries
2	Date and time	11-06-2020; 4:00 PM-5:00 PM
3	Participants/audience	58 ME students (2016-20)
4	Venue	Online Plat form Google Meet meet.google.com/bpa-ydpz-fao
5	Objectives	Curricular Gap Bridging Event
6	Expected outcomes	Students will be able to understand about engineering industry and the opportunites in industry.
7	Connected POs/PSOs	PO6,PO7,PO12
8	Justification for POs/PSO's	The session will impart a line knowledge on industrial engineering and what the industry is looking for.
9	Resource requirements	Mr. SATHEESH PALAKKEEL,ASSOCIATE GENERAL MANGER, AEROSPACE NAD DEFENC ,HAL TECHNOLOGIES LTD, BANGALORE,Online Plat form Google Meet
10	Any other Relevant Information	Nil
11	Responsible Persons	Coordinator: Mr. RAMESHAN.K.P,Associate Professor, ME
12	Department	Mechanical Engineering

Proposal prepared by

Rameshan.K.P (AP, ME)

  
ME.M.M.FRANCIS  
Assistant Professor  
Department of Mechanical Engineering  
Vimal Jyothi Engineering College  
Chempalli

  
Recommended by

Cdr. Raju K K (Retd.) HOD ME

Assistant Professor & HOD  
Department of Mechanical Engineering  
Vimal Jyothi Engineering College  
Chempalli, Kannur, Kerala- 670602



**WEBINAR ON 'OPPORTUNITIES IN AEROSPACE INDUSTRIES': 11-06-2020**

**ELECTRONICS THERMAL MANAGEMENT**



**END TO END MECHANICAL ENGINEERING CAPABILITIES**

- Configuration Management
- Product Analysis & Design
- Design for Manufacturing
- Manufacturing Process & Control
- Design for Assembly
- Design for Testability
- Design for Reliability
- Design for Supportability
- Design for Sustainability
- Design for Safety
- Design for Security
- Design for Usability
- Design for Maintainability
- Design for Repairability
- Design for Disassembly
- Design for Recycling
- Design for Energy Efficiency
- Design for Environmental Compatibility
- Design for Lifecycle Management
- Design for Total Cost of Ownership
- Design for Customer Satisfaction
- Design for Innovation
- Design for Scalability
- Design for Flexibility
- Design for Customization
- Design for Personalization
- Design for Mass Customization
- Design for Digital Manufacturing
- Design for Additive Manufacturing
- Design for Smart Manufacturing
- Design for Industry 4.0
- Design for Industry 5.0
- Design for Industry 6.0
- Design for Industry 7.0
- Design for Industry 8.0
- Design for Industry 9.0
- Design for Industry 10.0



The Department of Mechanical Engineering, VJEC conducted a webinar on 'Opportunities in aerospace industries and what the industry is looking for' on 11th June 2020 from 3.00 pm to 4.00 pm. The session was handled by a technical expert, Mr. Satheesh Palakkeel, the associate General Manager, Aerospace and defence, HCL Technologies, Bangalore. The webinar was conducted for eighth semester students of Mechanical Engineering. The convener of the programme was Cdr. (retd.) Raju K Kuriakose, Head of Mechanical Engineering Department. Mr. Rameshan K P, Associate Professor, ME, coordinated the event. The session helped students to understand about the engineering industry and the opportunities in industry.



## Certificate Sample:



**Online FDP on “Emerging Areas in Manufacturing and Its Industrial Application”**  
**Vimal Jyothi Engineering College**

**Date: May 25 to May 30, 2020**

**Venue: Vimal Jyothi Engineering College (VJEC)**

## Online FDP on “Emerging Areas in Manufacturing and Its Industrial Application”

### About the Institution

Vimal Jyothi Engineering College (VJEC) is an educational project of the Archdiocese of Thalassery established in the year 2002 and is managed by Mesha Diocesan Educational Trust. The college is approved by AICTE and affiliated to APJ Abdul Kalam Technological University (KTU). VJEC is a self-financing catholic minority institution aiming at generating fervor for Engineering and Technology in students. Here we inspire, nurture and foster them to realize their career potential in the field of Engineering and Technology. Further, VJEC is an ISO 9001:2015 certified Institution and also accredited by NAAC and NBA. With profound insight into the resource requirements of the higher education system, VJEC has proudly set up world-class infrastructure complemented with intellectual capital in the form of competent faculty. Many of the facilities are way beyond the regulatory requirements aiming for learning beyond the syllabus to address the requirements of the industry. These material facilities along with value addition programs and student support systems are the integral facets of empowerment at VJEC. Digital library, industry supported project labs, language lab, and student chapters of professional bodies such as IEEE, ISOT, IETE, SAE, CSI offer an extensive range of resources, opportunities and services to the outcome based teaching learning process. Effective implementation of quality control processes ensure Engineering graduates with the expected level of knowledge, skill and attitude.

### About the Department

The Mechanical Engineering Department was established in the year 2004. The Department offers students the opportunity to pursue an exceptional, high quality education. It has been recognized as Research Centre to have interaction with KTU University, Kerala for collaborative research programme which leads to Ph.D. degree by research. The Department is one of the largest in terms of faculty, students, & activities and continues to lead and expand its activities in various directions. The Department has a distinguished faculty, dedicated staff and superb student body that effectively work together to fulfill the academic mission. The academic activities are supported by seven well equipped laboratories/research centres.

### About the Course

The current FDP emphasis on the developments of manufacturing in the arena. In the current era, manufacturing are the back-bone of the economy of a nation. There is a robust motivation for optimizing the design and manufacturing routes using experiments with high precision equipment's and computational techniques for modeling the processes. Next-generation materials include super-light materials and active materials that react to changes in their environment and ultimately smart materials that explain how they are doing. Advancement in health care, energy, computing and numerous other fields depend on new findings in materials science.

### Resource Person

Eminent faculties from IITs, NITs, Industries, Research Organizations and Domain expert faculties from VJEC

### Objectives

The participants will be able to communicate the modern and progressive inputs about manufacturing for the faculty, scientist and research scholars of the engineering Institution/University/R&D centers.

### Registration Fee

No registration fee for participants, E-Certificate will be provided for all registered participants.

### REGISTRATION FORM LINK

<https://forms.gle/NTzEoQ16tVnurf9k8>



**VIMAL JYOTHI**  
ENGINEERING COLLEGE  
Affiliated to APJ Abdul Kalam Technological University, K  
Kerala University - Approving AICTE  
Kerala Technological University



## One Week Online Faculty Development Programme On “Emerging areas in Manufacturing and its Industrial Application”

25.05.2020 - 30.05.2020



### Convenor

**Dr. S.Christopher Ezlil Singh, ME, VJEC**

For Contact: Whatsapp No: 6374805245

E.Mail.ID: christopher0420@vjec.ac.in

### Coordinators

Dr.P.Sridharan, ME, VJEC

Mr.Mejo Francis, ME, VJEC

Mr.Ap pu C Kurian, ME, VJEC

Dr.Sreekanth, ME, VJEC

ORGANIZED BY

DEPARTMENT OF MECHANICAL ENGINEERING

VIMAL JYOTHI ENGINEERING COLLEGE

Accredited by NAAC and NBA

Chempere, Kannur, Kerala - 670 632. Website:www.vjec.ac.in

## **Objective:**

The primary objective of the Online Faculty Development Program (FDP) was to acquaint participants with emerging areas in manufacturing and their industrial applications. The program aimed to enhance the knowledge and skills of faculty members, researchers, and industry professionals in the field of manufacturing.

## **Key Highlights:**

**Expert Sessions:** Renowned experts from academia and industry delivered insightful sessions on various emerging areas in manufacturing. The topics covered included:

- Additive Manufacturing (3D Printing)
- Advanced Materials in Manufacturing
- Digital Manufacturing and Industry 4.0
- Sustainable Manufacturing Practices
- Robotics and Automation in Manufacturing
- Nanotechnology in Manufacturing

**Interactive Workshops:** Participants engaged in interactive workshops where they gained practical insights into the application of emerging technologies in manufacturing. These workshops included hands-on demonstrations, case studies, and group discussions.

**Research Paper Presentations:** Participants had the opportunity to present their research papers related to emerging areas in manufacturing. This provided a platform for knowledge exchange and networking among participants.

**Panel Discussions:** Panel discussions were conducted to address current challenges and future trends in manufacturing. Experts shared their perspectives on the integration of emerging technologies into industrial practices and the implications for the workforce.

**Industry Insights:** Representatives from leading industries shared their experiences and best practices in adopting emerging technologies for enhancing productivity, quality, and sustainability in manufacturing operations.

**Networking Opportunities:** The online platform facilitated networking among participants, allowing them to interact with peers, experts, and industry professionals from diverse backgrounds and geographical locations.

## **Outcomes:**

- Enhanced understanding of emerging areas in manufacturing and their industrial applications.
- Acquisition of practical skills and knowledge to incorporate emerging technologies into teaching, research, and industrial practices.
- Networking opportunities for collaboration and partnership among academia, industry, and research institutions.
- Dissemination of research findings and best practices in manufacturing through paper presentations and discussions.

## **Conclusion:**

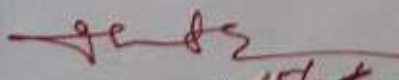
The Online FDP on “Emerging Areas in Manufacturing and Its Industrial Application” organized by the Department of Mechanical Engineering, Vimal Jyothi Engineering College, was successful in achieving its objectives of knowledge dissemination, skill enhancement, and networking. Participants gained valuable insights into the latest

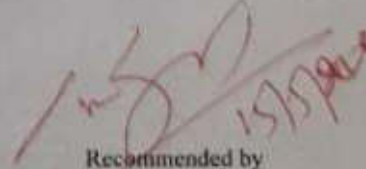


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Accredited by NBA (ME, CE, EE, CS), NAAC  
+91- 460-2213399, 2212240 www.vjec.ac.in

### EVENT PROPOSAL FORM

1	Event type and Name	FDP on "Emerging Area's in Manufacturing"
2	Date and time	25-05-2020 to 30-05-2020
3	Participants/audience	Faculties, Research Scholars, PG student from Mechanical Engineering
4	Venue	Online Platform
5	Objectives	<ul style="list-style-type: none"><li>• Research and development in the area of Manufacturing.</li><li>• Curricular Gap Bridging relevant to Manufacturing.</li></ul>
6	Expected outcomes	<ul style="list-style-type: none"><li>• Faculties, Research Scholars, PG student will be able to get knowledge on research and development in Manufacturing.</li></ul>
7	Connected POs/PSOs	PO3,PO5, PO7 ,PSO1
8	Justification for POs/PSO's	<ul style="list-style-type: none"><li>• The session will impart knowledge on manufacturing in Mechanical Engineering and get an idea about progress in present research in Manufacturing.</li></ul>
9	Resource requirements	Nil
10	Any other Relevant Information	Nil
11	Responsible Persons	Dr.S.Christopher Ezhil Singh, Prof., ME.
12	Department	Mechanical Engineering

  
Proposal prepared by 15/05/2020  
Dr.S.Christopher Ezhil Singh, Prof., ME.

  
Recommended by  
Cdr. (Rtd.) Raju K Kuriakose, HOD ME





# Bio-medical Applications



## Cutting Edge 3D-printed living human tissue soon

SCIENTISTS FROM HARVARD UNIVERSITY HAVE DEVELOPED A NEW 3D-PRINTING METHOD THAT CAN CREATE COMPATIBLE, FUNCTIONAL AND VASCULARIZED TISSUE AND MAY BE USED TO TREAT OR REPLACE DAMAGED OR LOST TISSUE AND ORGANS.

The work is a major step toward printing human tissue because researchers managed to use the same cell structures, materials and methods.

The research will also help bring down the cost of 3D printing and the ability to create functional human tissue that can be used to treat or replace damaged or lost tissue and organs.

"This is the first time that scientists have developed a way to print living human tissue that can be used to treat or replace damaged or lost tissue and organs," said Dr. Robert Langer, senior author of the study from the Wyss Institute for Biologically Inspired Engineering at Harvard University.

These researchers have printed blood vessels, muscle fibers, fat, skin cells, bone, cartilage and other types of cells, and they have shown that they have been functional in the lab and in mice.

While researchers in recent months have printed cells and structures, they have not been able to print the same structures and materials together, and have not been able to print functional, vascularized tissue.

Researchers used the same 3D printing process to create a variety of very different, functional tissues that resemble human and mouse organs, as researchers have made

other cell types in the lab.

To print 3D tissue structures with a particular pattern, researchers needed functional cells with specific biological properties, so they developed a way to print these cells using a 3D printing process.

To create blood vessels, they developed a way to print cells that can be used to create a network.

The blood vessels are a key part of an interconnected network of blood vessels that can be used to create a network of blood vessels.

The standard way to create a network of blood vessels is to create a network of blood vessels by creating a network of blood vessels.

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They printed 3D tissue with vessels with a variety of cell types, including an artery, a vein and a capillary, and they showed that these vessels could be used to create a network of blood vessels.

While these vessels are not yet ready for use in humans, they are a major step toward creating functional, vascularized tissue that can be used to treat or replace damaged or lost tissue and organs.

The researchers are now working to create a network of blood vessels that can be used to create a network of blood vessels.

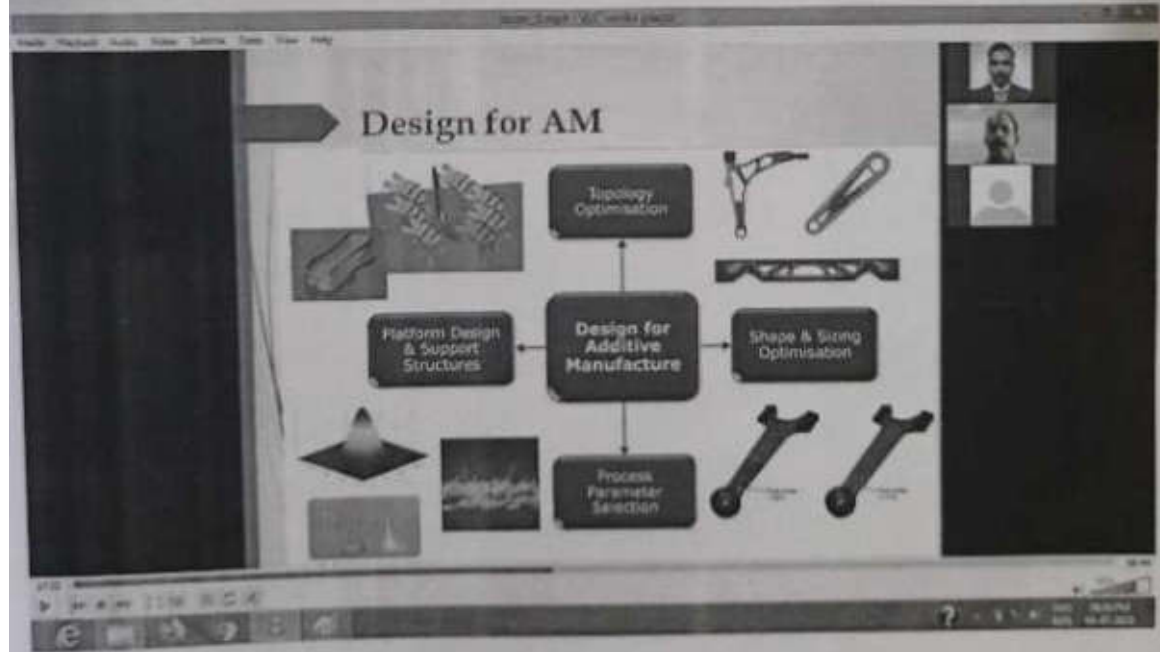
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 REDUCTION



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INDIAN INSTITUTE OF TECHNOLOGY ROORKEE



Applications of Microwave Energy in Manufacturing



**Aparna Kumar Sharma**  
 Professor in Mechanical and Industrial Engineering Department  
 Coordinator, Design Innovation Center  
 Indian Institute of Technology Roorkee





List of Participants attended the FDP

Sl.No	Title	Name of Faculty	Gender	Institution Name with Address	Department	Email ID
1.						
1	Mr	A JUDE FELIX	Male	Mar Ephraem college of engineering and technology	Mechanical	ajudfelix@gmail.com
2.	Mr	A Unni Krishnan	Male	Noorul Islam Centre for Higher Education	Mechanical Engineering	unnikrishnar230575@gmail.com
3.	Mr	A VADIVEL	Male	Sri Ramakrishna Engineering College Coimbatore	Mechanical engineering	vadivel.ayyakkannu@srec.ac.in
4.	Mr	A. SIMON CHRISTOPHER	Male	V V COLLEGE OF ENGINEERING	MECHANICAL ENGINEERING	tsysimon@gmail.com
5.	Dr	A.Arun Negemiya	Male	Sri Shakthi Institute of Engineering and Technology, Coimbatore	Mechanical Engineering	arunnegemia@gmail.com
6.	Dr	A.Benham	Male	Malabar Institute of Technology, Kannur.	Mechanical Engineering	principal@mitkannur.ac.in
7.	Dr	A.Krishnaraju	Male	Mahendra	Mechanical	akrgen@gmail.com
8.	Dr	A.Raveendra	Male	Mailareddy Engineering college,Secunderabad	Mechanical Engg	ravi.akunuru.a@gmail.com
9.	Mr	A.Saravanan	Male	Saranathan College of Engineering, Venkateswara Nagar, Panjappur, Trichy	Department of Mechanical Engineering	varunsarav@gmail.com
10.	Dr	A.SHANMUGAM	Male	Kongu Engineering College Erode Tamilnadu	Mechatronics engineering	vickyshanmugam@gmail.com
11.	Dr	ACRUL FRANCO P	Male	University College of Engineering Nagercoil Konam	Mechanical Engineering	arulfran@gmail.com
12.	Dr	Abhijeet Maige	Male	MIT Academy of Engineering	Mechanical	ammaige@mech.mitaoe.ac.in
13.	Mr	ABILESH V	Male	ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY, PALKULAM	MECHANICAL ENGINEERING	abilesh21@gmail.com
14.	Mr	ABINS ALI	Male	KMEA Engineering College	Mechanical Engineering	aba.me@kmeacollege.ac.in
15.	Mr	Abraham subaraj.M	Male	Bethlehem institute of engineering	Mechanical	masubaraj@gmail.com
16.	Mr	Ajay Aravind	Male	St. Thomas College of Engineering and Technology, Sivapuram PO, Mattanur, Kannur, Kerala	Mechanical Engineering	ajaravind92@gmail.com
17.	Mr	Ajaykumar R	Male	Satyam college of engineering and technology aralvoimozhi, kanyakumari district	Mechanical Engineering	ajaravind92@gmail.com
18.	Mr	Ajay Jagdish	Male	VJEC	Aeronautical	ajay06990@gmail.com
19.	Mr	AMR SANKAR	Male		Mechanical Engineering	



Sl.No	Title	Name of Faculty	Gender	Institution Name with Address	Department	Email ID
470.	Mr	VINU	Male	Ponjesly college of engineering	Mechanical engineering	vinuvin56@gmail.com
471.	Dr	Vishal John Mathai	Male	Amal Jyothi College of Engineering, Kanjirappally, Kerala	Mechanical Engineering	vishaljohnmathai@amaljyothi.ac.in
472.	Mr	VISHNU H	Male	SCMS School of Engineering and Technology	Mechanical Engineering	vishnuhari87@gmail.com
473.	Mr	Vishnu Narayan	Male	Providence College Of Engineering	Mechanical	vishnu.n@providence.edu.in
474.	Dr	Y.R.ANNIE BESSANT	Female	St.XAVIERS CATHOLIC COLLEGE OF ENGINEERING	ECE	annie@sxcce.edu.in
475.	Mr	Y.Thooyavan	Male	Bethlehem Institute of Engineering,karungal, kanyakumari-Dist, Tamilnadu.	Mechanical engineering	ythooyavan.ty@gmail.com
476.	Mr	Yabesh T	Male	Bethlehem Institute of engineering, Laryngeal.	Mechanical engineering	Tyabeshnathen@gmail.com
477.	Mr	Yogeeshha C	Male	Jyothy Institute of Technology	Mechanical Engineering	yogeeshha.c@jyothyit.ac.in



Feed Back Log of 'Emerging Areas in Manufacturing' - Google Forms

Mobile Number

182 responses

9497368899

9944945562

9442177584

9452047764

9500147350

9488855995

9179225534

9620417638

09892198501

Name of the State

182 responses



trends and technologies shaping the future of manufacturing, contributing to their professional development and academic growth.

### Certificate Sample:



**Online FDP on “Nanocomposites and Nanomaterials and Its Characterization”-  
Entrepreneurship**

**Vimal Jyothi Engineering College**

**Date: 8th to 20th June 2020**

**Venue: Vimal Jyothi Engineering College (VJEC)**



Online FDP on “Nanocomposites and Nanomaterials and Its Characterization”



**VIMAL JYOTHI  
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ISO 9001:2015 Certified Accredited by Institution of Engineers India, NBA, NAAC  
☎+91 - 460-2213399,2212240 @www.vjec.ac.in

**Two Week Faculty Development Programme  
(Online) On  
“Nanocomposites and Nanomaterials and its  
Characterization”**

**08.06.2020 - 20.06.2020**



**Convenor**

**Dr. S.Christopher Ezhil Singh, ME, VJEC**

**For Contact: Whatsapp No: 6374805245**

**E.Mail.ID: christopher0420@vjec.ac.in**

**Coordinators**

**Dr.P.Sridharan, ME, VJEC**

**Mr.Mejo Francis, ME, VJEC**

**Mr.Appu C Kurian, ME, VJEC**

**Mr.Jerin Saji, ME, VJEC**

**Dr.Sreekanth, ME, VJEC**

**Mr.Arjun Jayaprakash, ME, VJEC**

**Registration Fees:** The registration fee is Rs.500/- per participant. E-Certificate will be provided for all registered participants. Registration can be done through NEFT, Google pay, etc. to this Beneficiary Name: Meshar Diocesan Educational trust, account number:24273070000040, IFSC Code: SYNB0002427, Bank Name: Syndicate Bank, Branch Name: Vimal Jyothi Extension Counter.

**Resource Persons**

Eminent faculties from IITs, NITs, Industries, Research organizations and domain expert faculties from VJEC.

**Google registration form link**

<https://forms.gle/LUjnBgPEaMQMGZSo6>

Or

Scan the QR  
code for  
registration



In association with



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DEPARTMENT OF MECHANICAL ENGINEERING  
VIMAL JYOTHI ENGINEERING COLLEGE**

**Accredited by NAAC and NBA**

**Chempери, Kannur, Kerala - 670 632.**

**Website:www.vjec.ac.in**



## Overview:

The Online Faculty Development Program (FDP) on "Nanocomposites and Nanomaterials and Its Characterization" with a focus on entrepreneurship was organized by the Department of Mechanical Engineering at Vimal Jyothi Engineering College. The FDP spanned over a duration of twelve days, from the 8th to the 20th of June 2020. Given the rise in interest and applications of nanotechnology in various fields, the program aimed to equip participants with insights into nanocomposites, nanomaterials, and their characterization techniques, with a special emphasis on fostering an entrepreneurial mindset.

## Highlights and Objectives:

**Comprehensive Coverage:** The FDP provided a comprehensive understanding of nanocomposites and nanomaterials, covering their synthesis, properties, applications, and characterization methods.

**Entrepreneurship Focus:** In addition to technical knowledge, the program aimed to instill an entrepreneurial spirit among participants, encouraging them to explore potential business opportunities in the field of nanotechnology.

**Expert Sessions:** Renowned experts and industry practitioners were invited to conduct sessions, sharing their expertise and insights on various aspects of nanocomposites and nanomaterials.

**Hands-on Workshops:** Practical workshops were organized to provide participants with hands-on experience in the synthesis and characterization of nanomaterials, enhancing their learning experience.

**Interactive Learning:** The online mode facilitated interactive sessions, allowing participants to engage with the speakers, ask questions, and participate in discussions, thereby enriching their learning experience.

## Key Topics Covered:

- Introduction to Nanocomposites and Nanomaterials
- Synthesis Techniques
- Characterization Methods
- Applications in Various Industries
- Entrepreneurial Opportunities in Nanotechnology

## Participants:

The FDP attracted participation from faculty members, researchers, and students from various educational institutions and industries. The diverse background of participants contributed to enriching discussions and knowledge sharing during the program.

## Outcome and Impact:

The FDP proved to be highly beneficial, providing participants with valuable insights into the field of nanotechnology and its entrepreneurial aspects. Participants gained a deeper understanding of nanocomposites, nanomaterials, and their characterization techniques, along with exploring potential avenues for entrepreneurial ventures in the field. The hands-on workshops further enhanced their practical skills and knowledge.

## Conclusion:

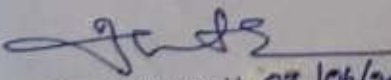
The Online FDP on "Nanocomposites and Nanomaterials and Its Characterization - Entrepreneurship" organized by the Department of Mechanical Engineering at Vimal Jyothi Engineering College was a resounding success. It served as a platform for fostering learning, knowledge exchange, and entrepreneurial thinking in the domain of nanotechnology. The program not only enriched the participants' understanding of the subject matter but also inspired them to explore entrepreneurial opportunities, thereby contributing to the advancement of the field.

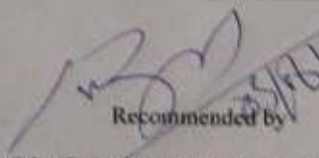


**VIMAL JYOTHI**  
**ENGINEERING COLLEGE**  
JYOTHI NAGAR, CHEMPERI - 670632, KANNUR  
Affiliated to APJ Abdul Kalam Technological University  
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Accredited by NBA (ME, CE, EE, CS), NAAC  
+91- 460-2213399, 2212240 [www.vjec.ac.in](http://www.vjec.ac.in)

## EVENT PROPOSAL FORM

1	Event type and Name	Two Week FDP on "Nanocomposites and Nanomaterials & It's Characterization"
2	Date and time	08-06-2020 to 22-06-2020
3	Participants/audience	Faculties, Research Scholars, PG student from all disciplines
4	Venue	Online Platform
5	Objectives	<ul style="list-style-type: none"><li>• Research and development in the area of Nanocomposites and Nanomaterials.</li><li>• Curricular Gap Bridging relevant to Nanocomposites and Nanomaterials.</li></ul>
6	Expected outcomes	<ul style="list-style-type: none"><li>• Faculties, Research Scholars, PG student will be able to get knowledge on research and development in Nanocomposites and Nanomaterials.</li></ul>
7	Connected POs/PSOs	PO3,PO5, PO7 ,PSO1
8	Justification for POs/PSO's	<ul style="list-style-type: none"><li>• The session will impart knowledge on Nanocomposites and Nanomaterials in Mechanical Engineering and get an idea about progress in present research in Nanocomposites and Nanomaterials.</li></ul>
9	Resource requirements	Nil
10	Any other Relevant Information	Nil
11	Responsible Persons	Dr.S.Christopher Ezhil Singh, Prof., ME.
12	Department	Mechanical Engineering

  
Proposal prepared by, 03/06/2020  
Dr.S.Christopher Ezhil Singh, Prof., ME.

  
Recommended by  
Cdr. (Ret.) Raju K Kuriakose, HOD ME



## resentation slide of resource person

PowerPoint presentation slide titled "Aerogels: Three Dimensional Assemblies of Nanoparticles". The slide features the CSIR logo and the following text:

**Naveen Kumar Chandrasekaran**  
Scientist  
18-06-2020  
CSIR-Central Electrochemical Research Institute  
Karalkudi, TamilNadu, India.  
Email: naveen@cecri.res.in

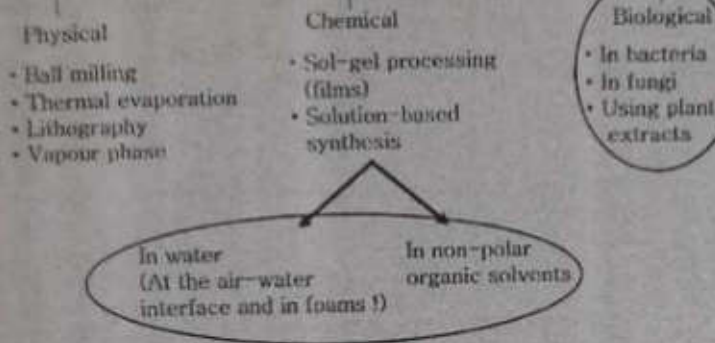
PowerPoint presentation slide titled "Nanostructured Materials for Electrochemical Energy Storage Systems". The slide features the IIST logo and the following text:

J. Mary Gladis  
Department of Chemistry,  
Indian Institute of Space Science and Technology(IIST)  
Valliyamala, Thiruvananthapuram.  
marygladis@iist.ac.in

*Faculty Development Programme on  
"Nanocomposites and Nanomaterials & it's Characterization"  
Organized by  
Department of Mechanical Engineering  
Vimal Jyothi Engineering College, Chempet, Kannur  
June 18, 2020*



### Different Nano-Synthesis Methods



FDP on Nanocomposites and Nanomaterials and It's Characterization, VJEC, Kannur, June 20, 2020



### Multiferroic hetrostructures

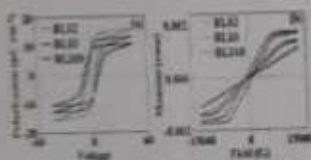


Figure 1: Magnetization curves (M vs H) for Bi<sub>0.95</sub>Zn<sub>0.05</sub>Fe<sub>2</sub>O<sub>4</sub> (BLZ), Bi<sub>0.95</sub>Zn<sub>0.05</sub>Fe<sub>1.95</sub>O<sub>4</sub> (BLZ), and Bi<sub>0.95</sub>Zn<sub>0.05</sub>Fe<sub>1.95</sub>O<sub>4</sub> (BLZ) at various temperatures.

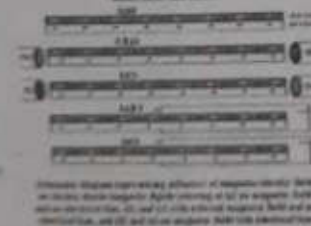


Figure 2: Magnetization curves (M vs H) for Bi<sub>0.95</sub>Zn<sub>0.05</sub>Fe<sub>2</sub>O<sub>4</sub> (BLZ), Bi<sub>0.95</sub>Zn<sub>0.05</sub>Fe<sub>1.95</sub>O<sub>4</sub> (BLZ), and Bi<sub>0.95</sub>Zn<sub>0.05</sub>Fe<sub>1.95</sub>O<sub>4</sub> (BLZ) at various temperatures.

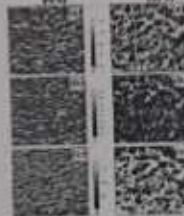


Figure 3: SEM images of Bi<sub>0.95</sub>Zn<sub>0.05</sub>Fe<sub>2</sub>O<sub>4</sub> (BLZ), Bi<sub>0.95</sub>Zn<sub>0.05</sub>Fe<sub>1.95</sub>O<sub>4</sub> (BLZ), and Bi<sub>0.95</sub>Zn<sub>0.05</sub>Fe<sub>1.95</sub>O<sub>4</sub> (BLZ) at various temperatures.



Figure 4: Magnetization curves (M vs H) for Bi<sub>0.95</sub>Zn<sub>0.05</sub>Fe<sub>2</sub>O<sub>4</sub> (BLZ), Bi<sub>0.95</sub>Zn<sub>0.05</sub>Fe<sub>1.95</sub>O<sub>4</sub> (BLZ), and Bi<sub>0.95</sub>Zn<sub>0.05</sub>Fe<sub>1.95</sub>O<sub>4</sub> (BLZ) at various temperatures.

Journal of Magnetism and Magnetic Materials, Volume 427, 2017, Pages 1-6



List of Participants attended the FDP

Title	Name of Faculty (Capital Letters)	Designation	Institution Name (Capital Letters)	Institution Address	Department	Gender	Email ID
1	Mr. Praveen Sathyan	Assistant Professor	ACE COLLEGE OF ENGINEERING	Trivandrum, Kerala	Aeronautical	Male	psathyan1@gmail.com
2	Mrs. MELAMATHI	Assistant Professor	SAIVA BHANU KSHATRIYA COLLEGE, ARUPPUKOTTAI	SAIVA BHANU KSHATRIYA COLLEGE, ARUPPUKOTTAI-626101, Tamil Nadu	Physics	Female	stamath47@gmail.com
Dr.	DR.A.R.BA BY SUGANTHI	Assistant Professor	SAVEETHA ENGINEERING COLLEGE	THANDALAM, CENNAI-602105	PHYSICS	Female	suganthi.babun@gmail.com
Dr.	R. PRIYA	Professor	R.M.D. ENGINEERING COLLEGE	R.S.M. Nagar, Kavarappettai 601206	Physics	Female	drpriya.mh@gmail.com
Dr.	SAJKUMAR	Assistant Professor	CHRISTIAN COLLEGE KATTAKAKADA	Christian college Kattakakada, Thiruvananthapuram Dist. Kerala	Physics	Male	sajikumarmphy@gmail.com
Mr.	SATHISH SUDHAND RABHARATHI	others	NATIONAL INSTITUTE OF TECHNOLOGY	TIRUCHCHIRAPPALLI	Metallurgical Engineering	Male	mailforesb@gmail.com
Dr.	JISHA.V.T	Assistant Professor	CHRISTIAN COLLEGE	CHRISTIAN COLLEGE, KATTAKADA, KATTAKADA.P.O THIRUVANANTHAPURAM DISTRICT	PHYSICS	Female	drjishavt@gmail.com
Dr.	Y.B.KANNAN	Assistant Professor	ARUMUGAM PILLAI SEETHAI AMMAL COLLEGE	TIRUPPATTUR-630211, SIVAGANGAI DT. TAMILNADU	PHYSICS	Male	ybkannan@gmail.com



Dr.	Dr ANANTHA SWEETLY M	Assistant Professor	HESSARUDY MEMORIAL CHRISTIAN COLLEGE MARTHANDAM	Hessarudy Memorial Christian College Martthandam, Emayyankudi, Tamil Nadu, India	Physics	Female	ananta1994@gmail.com
Dr.	Keki shreeg gajwan	Professor	Naryng Science College, Surat	Moraji Doshi Ebi Compound, Near Roshni Tower, Surat, Gujarat 395009	physical science	Female	keki2007@yaho.com
Dr.	R.SARAVANAN	Professor	ELLENJI COLLEGE OF ENGINEERING AND TECHNOLOGY.	NEAR IBHEL, PATELUDA, AMBENPUR(M), SANGAREDDY (D), HYDERABAD 502319	MECHANICAL ENGINEERING	Male	dr saravanan@gmail.com
Mr.	K.Mankandan	Lecturer	Shinas college of Technology,	Shinas, Oman	Mechanical Engineering	Male	kadivelu.mankandan@shinas.edu.om
Mrs.	Rashmi Olayil	Lecturer	Shinas college of technology	P.O.Box 77, Postal Code 324.	Engineering	Female	olayilr@gmail.com
Mr.	Umar Kirwan M	Assistant Professor	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY	Kattankulathur	Aerospace engineering	Male	umarkirwan@srmit.edu.in
Mr.	MOHAMMED ARIF R	Assistant Professor	SRM IST-KTR	Chennai	Aerospace engineering	Male	mohammedr@srmit.edu.in
Mr.	VINGOTHK UMAR ANNAMALAI	Assistant Professor	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY	SRM Nagar, kattankulathur, Tamilnadu-603203	Aerospace engineering	Male	vinothika@srmit.edu.in
Mr.	Saravanan G	Assistant Professor	SRM Institute of Science and Technology, Chennai	Chennai	Aerospace Engineering	Male	saravanga@srmit.edu.in





### Institution

66 responses

Parul Institute of Engineering and Technology, Parul University

St. Xavier's college, Tirunelveli

Shinas College of Technology, Sultanate of Oman

Vellore Institute of Technology

Shinas college of technology

Seethalakshmi Achi College For Women, Pallathur

Mepco Schlenk Engineering College

GMR Institute of Technology, Rajam

SREE NARAYANA INSTITUTE OF TECHNOLOGY ADOOR

ge

### What are the types of nano-structured fillers?

66 responses



- Nanoparticles
- Nanotubes
- Nanofibers
- All of the above



## Acknowledgments:

The organizers extend their gratitude to all the speakers, participants, and supporters who contributed to the success of the FDP. Special thanks to the Department of Mechanical Engineering and Vimal Jyothi Engineering College for their efforts in organizing and hosting the program.

## Certificate Sample:



**One Day Workshop on Intelligent Embedded system**  
**Vimal Jyothi Engineering College**

**Date: 8th July 2019**

**Venue: Vimal Jyothi Engineering College (VJEC)**

One Day Workshop on Intelligent Embedded system



**VIMAL JYOTHI**  
**ENGINEERING COLLEGE**  
Affiliated to APJ Abdul Kalam Technological University &  
Kannur University | Approved by AICTE  
Under the Archdiocese of Thalassery

**DEPARTMENT OF EEE**

*One Day Hands on Workshop*

# **Intelligent Embedded system**

Advanced Embedded Systems

**08/07/2019**



**Contact :**  
**Sarin CR, AP EEE**

## **Objective:**

The one-day workshop on Intelligent Embedded Systems aimed to provide participants with insights into the latest trends and advancements in the field of embedded systems with a focus on intelligence and automation. The workshop aimed to bridge the gap between theoretical knowledge and practical implementation in the domain of embedded systems.

## **Highlights:**

**Inaugural Session:** The workshop commenced with an inaugural session where the organizers welcomed the participants and briefed them about the objectives and agenda of the workshop. Distinguished speakers from academia and industry shared their insights into the significance of intelligent embedded systems in various applications.

**Technical Sessions:** The workshop comprised several technical sessions conducted by experts in the field. Topics covered included:

- Introduction to Embedded Systems and its Applications
- Basics of Microcontrollers and Microprocessors
- Programming Embedded Systems using C and Assembly Language
- Sensor Integration and Data Acquisition Techniques
- Real-time Operating Systems (RTOS) for Embedded Systems
- Machine Learning and Artificial Intelligence in Embedded Systems
- Case Studies and Practical Demonstrations

**Hands-on Training:** Participants had the opportunity to engage in hands-on sessions where they learned to program microcontrollers, interface sensors, and implement basic machine learning algorithms on embedded platforms. The practical demonstrations helped reinforce theoretical concepts and provided valuable experiential learning.

**Interactive Q&A Sessions:** Throughout the workshop, interactive Q&A sessions were conducted where participants could clarify their doubts and seek guidance from the experts. The discussions facilitated a deeper understanding of the subject matter and encouraged knowledge sharing among participants.

**Certification:** Upon successful completion of the workshop, participants were awarded certificates acknowledging their participation and successful completion of the training program. The certification added value to their academic and professional profiles, enhancing their credibility in the field of embedded systems.

## **Conclusion:**

The One Day Workshop on Intelligent Embedded Systems conducted by the Department of EEE at Vimal Jyothi Engineering College provided participants with a comprehensive understanding of embedded systems and its applications. The hands-on training, coupled with interactive sessions, enriched the learning experience and equipped participants with practical skills essential for pursuing careers in the field of embedded systems. The workshop received positive feedback from participants, affirming its success in achieving its objectives.

Overall, the workshop served as a platform for knowledge dissemination, skill development, and networking, contributing to the academic and professional growth of the participants and fostering innovation in the domain of intelligent embedded systems.

## Acknowledgments:

The organizers extend their gratitude to the speakers, participants, and support staff for their contributions towards making the workshop a resounding success. Special thanks to the management of Vimal Jyothi Engineering College for their support and encouragement in organizing the workshop.

## Certificate Sample:



**FDP on Python Programming- Entrepreneurship**  
**Vimal Jyothi Engineering College**

**Date: July 8, 2019**

**Venue: Vimal Jyothi Engineering College (VJEC)**



FDP on Python Programming and Its Applications

**DEPARTMENT OF COMPUTER SCIENCE AND  
ENGINEERING**



**FACULTY  
DEVELOPMENT  
PROGRAM**



**PYTHON PROGRAMMING & ITS APPLICATIONS**



**08.07.19**

**Venue : ACRC LAB**



**09:00 AM  
TO  
04:00 PM**

**Resource Person:**

**Dr. Manoj V. Thomas,  
HoD CSE, VJEC Chemperi**

## **Objective:**

The Faculty Development Program (FDP) on Python Programming aimed to equip participants with essential skills and knowledge in Python programming language. The program focused on enhancing the proficiency of faculty members in teaching Python and incorporating it effectively into the curriculum.

## **Highlights:**

**In-depth Sessions:** The FDP featured comprehensive sessions covering various aspects of Python programming, including syntax, data structures, object-oriented programming, and libraries such as NumPy, Pandas, and Matplotlib.

**Hands-on Exercises:** Participants engaged in hands-on exercises and coding challenges to apply the concepts learned during the sessions. This practical approach facilitated better understanding and retention of the material.

**Interactive Discussions:** The program encouraged interactive discussions, allowing participants to clarify doubts and share their experiences with Python programming. The exchange of ideas among participants and facilitators enriched the learning experience.

**Expert Guidance:** Experienced faculty members and industry experts conducted the sessions, providing valuable insights and guidance on best practices in teaching and using Python.

**Resource Materials:** Participants received comprehensive resource materials, including lecture notes, sample code snippets, and reference books, to support their continued learning and teaching efforts.

**Certification:** Upon successful completion of the FDP, participants received certificates recognizing their participation and proficiency in Python programming.

## **Feedback:**

Feedback from participants was overwhelmingly positive, with many expressing appreciation for the interactive sessions, practical exercises, and the relevance of the topics covered. Participants highlighted the effectiveness of the program in enhancing their understanding and teaching capabilities in Python programming.

## **Conclusion:**

The Faculty Development Program on Python Programming conducted by the Department of Computer Science and Engineering at ACRC, Vimal Jyothi Engineering College, was a resounding success. The program provided participants with valuable insights, practical skills, and resources to effectively teach and utilize Python in academic and professional settings. It served as a testament to the college's commitment to promoting continuous learning and academic excellence in the field of computer science and engineering.

## **Acknowledgments:**

The organizers extend their gratitude to the speakers, participants, and support staff for their contributions towards making the workshop a resounding success. Special thanks to the management of Vimal Jyothi Engineering College for their support and encouragement in organizing the workshop.

## Certificate Sample:



**International Conference on Technology Convergence in Engineering, Energy and  
Sustainability (ICTCEES – 2019)-Research**

**Vimal Jyothi Engineering College**

**Date: July 11th and 12th, 2019**

**Venue: Vimal Jyothi Engineering College (VJEC)**

International Conference on Technology Convergence in Engineering, Energy and Sustainability (ICTCEES – 2019)



# VIMAL JYOTHI ENGINEERING COLLEGE

JYOTHI NAGAR,CHEMPERI-670 6932 KANNUR DT, KERALA

Accredited with NAAC & NBA, Affiliated to KTU

DEPARTMENT OF MECHANICAL ENGINEERING

*Cordially invites you for the Inauguration of*

**International Conference on**

**Technology Convergence in Engineering, Energy and  
Sustainability” (ICTCEES-2019)**

***11<sup>th</sup> & 12<sup>th</sup> July 2019, 10.00 am at Msgr. Jacob Varikkat Hall***

*Kindly grace the occasion with your valuable presences*

**With regards**

**Cdr. Raju K K (Retd.)**  
HoD ME

**Dr. S.Christopher Ezhil Singh**  
Convener

**All the teaching and non-teaching staff, ME Department**

## **Objective:**

The International Conference on Technology Convergence in Engineering, Energy, and Sustainability (ICTCEES – 2019) aimed to provide a platform for researchers, academicians, and industry professionals to exchange knowledge, ideas, and experiences in the fields of engineering, energy, and sustainability. The conference sought to foster collaboration and innovation towards addressing global challenges through technological advancements.

## **Highlights:**

**Paper Presentations:** The conference featured paper presentations by researchers and scholars from various institutions and organizations. The presentations covered a wide range of topics, including mechanical engineering, renewable energy, sustainable development, and technological convergence.

**Keynote Addresses:** Distinguished keynote speakers delivered insightful talks on emerging trends, challenges, and opportunities in the fields of engineering, energy, and sustainability. Their presentations provided valuable perspectives and inspired participants to explore new avenues for research and innovation.

**Panel Discussions:** Interactive panel discussions were conducted on pertinent themes related to technology convergence, energy efficiency, and sustainable practices. Experts from academia, industry, and government sectors deliberated on strategies to address pressing environmental and societal issues through collaborative efforts.

**Poster Sessions:** Poster sessions provided researchers with an opportunity to showcase their work and engage in discussions with fellow participants. The posters presented innovative research findings, technological developments, and solutions aimed at promoting sustainability and environmental conservation.

**Networking Opportunities:** The conference facilitated networking among participants, enabling them to establish connections, exchange contacts, and explore potential collaborations. Informal interactions during breaks and networking sessions fostered a vibrant atmosphere conducive to knowledge sharing and professional networking.

**Publication Opportunities:** Selected papers presented at the conference were considered for publication in reputed journals and conference proceedings, thereby providing researchers with a platform to disseminate their findings to a wider audience and contribute to the body of knowledge in their respective fields.

## **Feedback:**

Feedback from participants was overwhelmingly positive, with many expressing satisfactions with the quality of presentations, the relevance of topics discussed, and the overall organization of the conference. Participants appreciated the diverse perspectives shared by speakers and the opportunities for networking and collaboration afforded by the event.

## **Conclusion:**

The International Conference on Technology Convergence in Engineering, Energy, and Sustainability (ICTCEES – 2019) organized by the Department of Mechanical Engineering at Vimal Jyothi Engineering College, served as a forum for interdisciplinary discourse and knowledge exchange on pressing issues facing society. The conference provided a platform for researchers, academicians, and industry professionals to share insights, showcase innovations, and explore collaborative opportunities towards advancing technology, energy, and sustainability goals.



## Certificate Sample:



**AICTE Sponsored STTP on “Engineering Education – A Transdisciplinary Approach in  
Engineering”-Research Methodology**

**Vimal Jyothi Engineering College**

**Date: July 16th to 21st, 2019**

**Venue: Vimal Jyothi Engineering College (VJEC)**

# AICTE Sponsored STTP on “Engineering Education – A Transdisciplinary Approach in Engineering”

## DECLARATION OF THE CANDIDATE

The given information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the programme. If selected, I shall attend the programme.

Name:

Date:

Signature of the candidate

## SPONSORSHIP

Mr./Ms/Dr./Prof. \_\_\_\_\_ is an employee of our institution and hereby sponsored. He/she will be permitted to attend the programme, if selected.

Date:

Signature of the Sponsoring Authority with Office Seal

## ADDRESS FOR COMMUNICATION

**Prof. G. Glan Devadhas PhD**

Cordinator

AICTE Sponsored Six Days STTP on “ENGINEERING EDUCATION A TRANSDISCIPLINARY APPROACH IN ENGINEERING”

Department of Electronics and Instrumentation Engineering

**VIMAL JYOTHI ENGINEERING COLLEGE**

CHEMPELL, KANNUR DIST., KERALA

PIN CODE - 670632

CELL NO: 90720193

WEBSITE: [www.vjec.ac.in](http://www.vjec.ac.in)

© 2019 | [sttp@vjec.ac.in](mailto:sttp@vjec.ac.in)



## MAJOR TOPICS

Modern Engineering Tools  
Translational Engineering  
Transdisciplinary Model

Artificial intelligence approach  
Multidisciplinary

## ELIGIBILITY

Faculty from AICTE approved Institutions can participate in the programme. The selection will be based on first come first served basis.

## REGISTRATION FEE

The registration is free for faculty members from AICTE approved Institutions. Participants are requested to fill the registration form and send it to the address mentioned below. Registration will be confirmed only after receiving the duly signed registration form by sponsoring authority. Scanned copy of the filled registration form can be sent to [ei\\_events@vjec.ac.in](mailto:ei_events@vjec.ac.in)

## RESOURCE PERSONS

Sessions will be handled by Faculty experts from IIT/NITs and experts from R&D Industry.

## ACCOMMODATION

Boarding and lodging will be arranged in the institute guest house. Travel Allowance will be provided as per AICTE guidelines.

## IMPORTANT DATES

Selection will be based on first come first serve basis through E-mail

**LAST DATE FOR RECEIPT OF APPLICATIONS: 12-07-2019**

**INTIMATION OF SELECTION: 13-07-2019**

AICTE SPONSORED  
SIX DAYS SHORT TERM TRAINING PROGRAMME  
ON

## ENGINEERING EDUCATION A TRANSDISCIPLINARY APPROACH IN ENGINEERING

ORGANIZED BY  
DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

SPONSORED BY



AICTE-NEWDELHI

FROM  
**16<sup>TH</sup> JULY**  
TO  
**21<sup>ST</sup> JULY**  
**2019**



**VIMAL JYOTHI ENGINEERING COLLEGE**

CHEMPELL, KANNUR DIST., KERALA

PIN CODE - 670632

E-MAIL: [sttp@vjec.ac.in](mailto:sttp@vjec.ac.in)

WEBSITE: [www.vjec.ac.in](http://www.vjec.ac.in)



**VIMAL JYOTHI**

**ENGINEERING COLLEGE**

CHEMPELL, KANNUR-670632

## **Objective:**

The AICTE Sponsored Short Term Training Program (STTP) on "Engineering Education – A Transdisciplinary Approach in Engineering" focused on equipping participants with the necessary knowledge and skills to adopt a transdisciplinary approach in engineering education. The program aimed to enhance participants' understanding of research methodology and its application in engineering education.

## **Highlights:**

**Comprehensive Sessions:** The STTP featured comprehensive sessions covering various aspects of research methodology, including research design, data collection techniques, statistical analysis, and interpretation of results. Participants gained insights into different research methodologies and their suitability for engineering education.

**Hands-on Workshops:** Hands-on workshops were conducted to familiarize participants with research tools and techniques commonly used in engineering education research. Participants learned to use software tools for data analysis and visualization, enhancing their practical skills in research methodology.

**Expert Lectures:** Eminent academicians and industry experts delivered lectures on topics related to research methodology and transdisciplinary approaches in engineering education. Their insights and experiences provided valuable perspectives to participants and enriched the learning experience.

**Case Studies and Best Practices:** The program included discussions on case studies and best practices in engineering education research. Participants had the opportunity to analyze real-world examples and learn from successful research initiatives in the field.

**Interactive Sessions:** Interactive sessions encouraged participants to actively engage with the material, ask questions, and share their experiences. The exchange of ideas and insights among participants and facilitators facilitated a deeper understanding of the concepts discussed.

**Networking Opportunities:** The STTP provided networking opportunities for participants to connect with peers, experts, and industry professionals. Informal interactions during breaks and networking sessions fostered collaboration and knowledge sharing among participants.

## **Feedback:**

Feedback from participants was overwhelmingly positive, with many expressing appreciations for the relevance of the topics covered, the quality of the sessions, and the expertise of the facilitators. Participants highlighted the practical insights gained from hands-on workshops and the applicability of the knowledge acquired to their research endeavours.

## **Conclusion:**

The AICTE Sponsored Short Term Training Program on "Engineering Education – A Transdisciplinary Approach in Engineering" - Research Methodology, conducted by the Department of Applied Electronics and Instrumentation Engineering at Vimal Jyothi Engineering College, was a resounding success. The program equipped participants with essential skills and knowledge in research methodology, enabling them to conduct high-quality research in the field of engineering education. It underscored the college's commitment to promoting excellence in engineering education and fostering interdisciplinary collaboration.

## Certificate Sample:



**One day workshop on" Moodle Learning Management System"-Research  
Methodology**

**Vimal Jyothi Engineering College**

**Date: September 3, 2019**

**Venue: Vimal Jyothi Engineering College (VJEC)**



**One day workshop on" Moodle Learning Management System"**

**EVENT PROPOSAL FORM**



**VIMAL JYOTHI  
ENGINEERING COLLEGE**

JYOTHI NAGAR, CHEMPERI – 679632, KANNUR D.T. KERALA

An ISO 9001: 2008 Certified Institution

1	<b>Event type and Name</b>	One day workshop on" Moodle Learning Management System"
2	<b>Date and time</b>	3 September 2019, 1.00PM
3	<b>Participants/audience</b>	Faculties of VJEC
4	<b>Venue</b>	CAD/CAM Laboratory ME Department VJEC
5	<b>Objectives</b>	<ol style="list-style-type: none"> <li>1. To offer highly effective Spoken Tutorials based ICT Training on Moodle Learning Management System to a large number of teachers, across the country, through the T10KT methodology.</li> <li>2. To enable the participants to be familiarized with the course creation in moodle and effective use of this open source software in academics.</li> </ol>
6	<b>Expected outcomes</b>	<ol style="list-style-type: none"> <li>1. Acquire expertise in the course creation in Moodle software</li> <li>2. Able to create customised Moodle platform individually.</li> </ol>
7	<b>Connected POs/PSOs</b>	
8	<b>Justification for POs/PSO's</b>	
8	<b>Resource requirements</b>	A View software, Moodle
9	<b>Any other Relevant Information</b>	The moodle workshop is organized by Department of Mechanical Engineering VJEC. Moodle is a Learning management system which helps teachers and educators create online courses for adaptive and customized learning.
10	<b>Responsible Persons</b>	Mr. Sunil Paul(Resource Person) Cdr. Raju K.K(retd) (Coordinator) Mr.Johny P Joseph (Co-coordinator) Mr. Anil Johny(System admin)
11	<b>Department</b>	Mechanical engineering Department, VJEC.

Proposal prepared by  
Johny P Joseph  
Asst Professor, ME

Recommended by  
Cdr. Raju K.K (Retd)  
HOD, ME

## **Objective:**

The one-day workshop on "Moodle Learning Management System" aimed to provide faculty members of Vimal Jyothi Engineering College with hands-on training and insights into the effective use of Moodle as a learning management system (LMS). The workshop focused on enhancing participants' proficiency in utilizing Moodle for course delivery, assessment, and student engagement.

## **Highlights:**

**Introduction to Moodle:** The workshop commenced with an introduction to Moodle, highlighting its features, functionalities, and benefits as a versatile learning platform. Participants gained an understanding of how Moodle can enhance teaching and learning experiences in an academic setting.

**Hands-on Training:** Participants engaged in hands-on training sessions where they learned to navigate the Moodle interface, create, and manage courses, upload course materials, set up quizzes and assignments, and monitor student progress. The practical exercises allowed participants to familiarize themselves with Moodle's features and functionalities.

**Customization and Personalization:** The workshop emphasized the importance of customization and personalization in Moodle to cater to the unique needs and preferences of students and instructors. Participants learned to customize course layouts, configure grading schemes, and personalize learning activities to optimize student engagement and learning outcomes.

**Assessment Strategies:** Effective assessment strategies in Moodle were discussed, including the use of quizzes, assignments, forums, and grading rubrics. Participants explored various assessment options available in Moodle and learned to design assessments that align with course objectives and promote student learning and achievement.

**Interactive Discussions:** Interactive discussions were held throughout the workshop, allowing participants to share their experiences, ask questions, and exchange ideas with fellow faculty members and facilitators. The exchange of insights and best practices enhanced participants' understanding of Moodle and its applications in teaching and learning.

**Future Directions:** The workshop concluded with a discussion on future directions for integrating Moodle into the curriculum and exploring innovative ways to leverage Moodle for blended learning, flipped classrooms, and other pedagogical approaches. Participants were encouraged to continue exploring Moodle's capabilities and incorporating it into their teaching practices.

## **Feedback:**

Feedback from participants was overwhelmingly positive, with many expressing appreciations for the hands-on training, interactive sessions, and practical insights gained during the workshop. Participants noted the relevance of Moodle to their teaching roles and expressed confidence in implementing Moodle in their courses to enhance student engagement and learning outcomes.

## **Conclusion:**

The one-day workshop on "Moodle Learning Management System" - Research Methodology, organized by the Department of Mechanical Engineering at Vimal Jyothi Engineering College, provided faculty members with valuable training and insights into effectively utilizing Moodle as a learning management system. The workshop

underscored the college's commitment to fostering innovation and excellence in teaching and learning through the integration of technology-enhanced pedagogies.

**Certificate Sample:**



**One Day Workshop on Structural Rebar Detailing- Entrepreneurship**  
**Vimal Jyothi Engineering College**

**Date: September 4, 2019**

**Venue: Vimal Jyothi Engineering College (VJEC)**

One Day Workshop on Structural Rebar Detailing

One day workshop on  
**Structural Rebar Detailing**

on

**04** 2019

September

Resource person:

**Mr. Sooraj Sebastian**

Technical Manager, RC Designs Pvt. Ltd

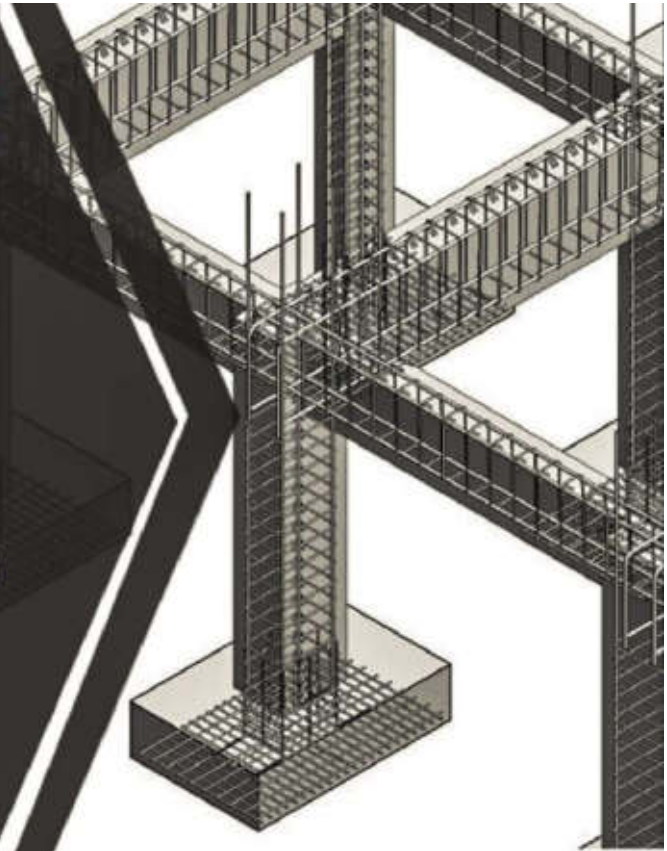
Co-ordinators : Saneesh K

Abhijath IP

Anuragi P

Vishnu T Unni

Sreejith K



## **Objective:**

The one-day workshop on Structural Rebar Detailing - Entrepreneurship aimed to provide participants with practical insights and skills in structural rebar detailing, while also fostering entrepreneurship in the field of civil engineering. The workshop focused on enhancing participants' knowledge of rebar detailing techniques and exploring opportunities for entrepreneurial ventures in this domain.

## **Highlights:**

**Technical Sessions:** The workshop commenced with technical sessions covering various aspects of structural rebar detailing, including principles of reinforcement detailing, industry standards, and best practices. Participants learned about different types of structural elements, such as beams, columns, and slabs, and the specific detailing requirements for each.

**Software Demonstrations:** Hands-on demonstrations of popular rebar detailing software tools were conducted, allowing participants to familiarize themselves with the software interface and functionalities. Participants learned to use software tools effectively for creating detailed rebar drawings and generating reports.

**Case Studies:** Real-world case studies of structural projects were presented, showcasing the importance of accurate rebar detailing in ensuring structural integrity and safety. Participants analyzed case studies to understand the challenges and solutions encountered in rebar detailing projects.

**Entrepreneurship Opportunities:** The workshop included discussions on entrepreneurship opportunities in the field of structural rebar detailing. Participants explored various business models, market trends, and strategies for establishing successful ventures in rebar detailing services.

**Interactive Workshops:** Interactive workshops allowed participants to engage in hands-on exercises and practical activities related to rebar detailing. Participants worked on sample projects, applying the knowledge and skills acquired during the technical sessions and software demonstrations.

**Networking Opportunities:** The workshop provided networking opportunities for participants to connect with industry professionals, entrepreneurs, and fellow participants. Informal interactions during breaks and networking sessions facilitated the exchange of ideas, experiences, and business contacts.

## **Feedback:**

Feedback from participants was positive, with many expressing appreciations for the practical insights, hands-on training, and networking opportunities provided by the workshop. Participants noted the relevance of the workshop content to their professional development and expressed interest in exploring entrepreneurial opportunities in structural rebar detailing.

## **Conclusion:**

The one-day workshop on Structural Rebar Detailing - Entrepreneurship, organized by the Department of Civil Engineering at Vimal Jyothi Engineering College, provided participants with valuable insights and skills in structural rebar detailing while also fostering entrepreneurship in the civil engineering domain. The workshop served as a platform for knowledge sharing, skill development, and networking, contributing to the professional growth and entrepreneurial aspirations of participants.



## Certificate Sample:



**Anti-Ragging Awareness Seminar**  
**Vimal Jyothi Engineering College**

**Date: September 6, 2019**  
**Venue: Vimal Jyothi Engineering College (VJEC)**

**Anti-Ragging Awareness Seminar**

NATIONAL SERVICE SCHEME (NSS) & VIMAL JYOTHI ENGG COLLEGE  
JOINTLY ORGANIZE

**ANTI-RAGGING**  
AWARENESS SEMINAR

---

6<sup>TH</sup> SEP 2019

TIME: 02:00PM-04:10PM

VENUE: MSGR. VARIKKATTU HALL

**Advt. M M SHAJITH**

## **Objective:**

The Anti-Ragging Awareness Seminar aimed to educate students about the harmful effects of ragging and promote a culture of respect, tolerance, and non-violence on campus. The seminar sought to raise awareness about the legal provisions against ragging and encourage students to report incidents of ragging promptly.

## **Highlights:**

**Keynote Address:** The seminar began with a keynote address by a guest speaker or faculty member, emphasizing the importance of maintaining a safe and inclusive campus environment free from ragging and harassment. The speaker highlighted the negative consequences of ragging on victims and perpetrators alike.

**Legal Provisions:** A session was dedicated to explaining the legal provisions against ragging, including the Anti-Ragging Act and the consequences for individuals found guilty of ragging. Participants were made aware of their rights and responsibilities in preventing and reporting incidents of ragging.

**Personal Stories:** Students or alumni who had experienced or witnessed ragging shared their personal stories during the seminar. These accounts helped to humanize the issue and underscored the need for collective action to eradicate ragging from educational institutions.

**Interactive Discussions:** Interactive discussions were held to engage participants in dialogue about the factors contributing to ragging, its impact on victims, and strategies for creating a supportive and respectful campus environment. Participants were encouraged to share their perspectives and ideas for preventing ragging.

**Role of NSS:** The role of the National Service Scheme (NSS) in promoting anti-ragging initiatives and fostering a culture of empathy and compassion was highlighted. NSS volunteers shared information about their activities and campaigns aimed at raising awareness about ragging and supporting victims.

**Awareness Materials:** Informational materials, such as posters, pamphlets, and brochures, were distributed to participants to reinforce key messages and provide guidance on how to recognize and respond to incidents of ragging.

## **Feedback:**

Feedback from participants was positive, with many expressing appreciations for the seminar's informative content and interactive format. Participants noted that the seminar helped them better understand the seriousness of the issue and empowered them to take a stand against ragging.

## **Conclusion:**

The Anti-Ragging Awareness Seminar organized by the National Service Scheme (NSS) and Vimal Jyothi Engineering College was successful in raising awareness about the harmful effects of ragging and promoting a zero-tolerance policy towards ragging on campus. The seminar underscored the importance of creating a safe and inclusive learning environment where all students feel respected and valued.

**Certificate Sample:**



**BIM for Construction Management & Planning- Entrepreneurship**  
**Vimal Jyothi Engineering College**

**Date: September 25, 2019**

**Venue: Vimal Jyothi Engineering College (VJEC)**



BIM for Construction Management & Planning



WORKSHOP ON

# BIM FOR CONSTRUCTION MANAGEMENT & PLANNING

RESOURCE PERSON :  
SUJIN G S  
(APPLICATION ENGINEER)

September 25, 2019  
Varikkattu Hall

Co-ordinators:  
Anuragi P  
Abhijath I P  
Saneesh K

## **Objective:**

The workshop on "BIM for Construction Management & Planning - Entrepreneurship" aimed to provide participants with insights into Building Information Modeling (BIM) technology and its applications in construction management and planning. Additionally, the workshop sought to explore entrepreneurial opportunities in the field of BIM.

## **Highlights:**

**Introduction to BIM:** The workshop began with an introduction to BIM, explaining its principles, concepts, and significance in the construction industry. Participants learned about the benefits of BIM in improving project efficiency, reducing costs, and enhancing collaboration among stakeholders.

**BIM Tools and Software:** Hands-on sessions were conducted to familiarize participants with BIM tools and software commonly used in construction projects. Participants learned to use BIM software for 3D modeling, clash detection, quantity takeoff, and project scheduling.

**BIM in Construction Management:** The workshop focused on the application of BIM in construction management processes, such as project planning, scheduling, cost estimation, and risk management. Participants gained insights into how BIM can streamline construction workflows and improve project outcomes.

**Entrepreneurship Opportunities:** Discussions were held on entrepreneurship opportunities in the field of BIM, including BIM consulting, training, and software development. Participants explored ways to leverage their BIM skills and expertise to establish successful ventures or freelance careers in the construction industry.

**Case Studies and Best Practices:** Real-world case studies and best practices in BIM implementation were presented to illustrate successful BIM projects and highlight key lessons learned. Participants analyzed case studies to understand the practical implications of BIM in construction management and planning.

**Interactive Q&A Session:** An interactive question-and-answer session allowed participants to clarify doubts, share their experiences, and seek guidance from industry experts and facilitators. The session fostered meaningful dialogue and knowledge exchange among participants.

## **Feedback:**

Feedback from participants was overwhelmingly positive, with many expressing appreciation for the informative content, practical exercises, and opportunities for networking provided by the workshop. Participants noted that the workshop enhanced their understanding of BIM and inspired them to explore entrepreneurship opportunities in the construction industry.

## **Conclusion:**

The workshop on "BIM for Construction Management & Planning - Entrepreneurship" organized by Vimal Jyothi Engineering College provided participants with valuable insights into the applications of BIM technology in construction management and planning. The workshop also highlighted entrepreneurship opportunities in the field of BIM, empowering participants to leverage their skills and expertise for career advancement and business success.

**Certificate Sample:**



**I am Start-up Studio – Inauguration of VJEC Chapter**  
**Vimal Jyothi Engineering College**

**Date: 26, September 2019**

**Venue: Vimal Jyothi Engineering College (VJEC)**

## I am Start-up Studio – Inauguration of VJEC Chapter



### Inaugurating VJEC Chapter

I AM  
startup  
STUDIO

#### Contact :

Dr. T .D.John, Dean - Research

Dr Sampath Kumar, Nodal Officer,IEDC

Sarin CR , Asst Nodal Officer,IEDC



VIMAL JYOTHI  
ENGINEERING COLLEGE  
JYOTHI NAGAR, CHEMPERI - 679322, KANNUR D.T., KERALA  
AN ISO 9001:2015 Certified Institution

## **Objective:**

The inauguration of the VJEC chapter of "I am Start-up Studio" aimed to promote entrepreneurship and innovation among students by providing them with a platform to develop and nurture their startup ideas. The event sought to inspire and empower students to pursue entrepreneurial ventures and contribute to the startup ecosystem.

## **Highlights:**

**Inaugural Ceremony:** The event commenced with an inaugural ceremony, featuring speeches by college authorities, faculty members, and invited guests. The speakers emphasized the importance of entrepreneurship in driving economic growth and encouraged students to unleash their creativity and entrepreneurial spirit.

**Introduction to I am Start-up Studio:** An overview of "I am Start-up Studio" was provided, highlighting its mission, vision, and activities. Students learned about the resources and support available through the platform to help them launch and scale their startup ventures.

**Keynote Address:** A keynote address by a prominent entrepreneur or industry expert was delivered, sharing insights and experiences on entrepreneurship journey. The keynote speaker inspired students with their success story and offered valuable advice on overcoming challenges and seizing opportunities in the startup ecosystem.

**Panel Discussion:** A panel discussion on the topic of entrepreneurship and startup ecosystem was conducted, featuring successful entrepreneurs, investors, and mentors. The panelists shared their perspectives on various aspects of entrepreneurship, including ideation, funding, marketing, and scaling up.

**Networking Opportunities:** The event provided networking opportunities for students to connect with entrepreneurs, mentors, investors, and fellow aspiring entrepreneurs. Informal interactions during breaks and networking sessions facilitated the exchange of ideas, experiences, and contacts.

**Launch of VJEC Chapter:** The highlight of the event was the official launch of the VJEC chapter of "I am Start-up Studio." College authorities and representatives from "I am Start-up Studio" unveiled the chapter, signaling the beginning of a new era of entrepreneurship at Vimal Jyothi Engineering College.

## **Feedback:**

Feedback from attendees was overwhelmingly positive, with many expressing excitement and enthusiasm about the opportunities provided by "I am Start-up Studio" and the inauguration of the VJEC chapter. Students appreciated the insights shared by speakers and panelists and expressed eagerness to explore entrepreneurial ventures.

## **Conclusion:**

The inauguration of the VJEC chapter of "I am Start-up Studio" marked a significant milestone in promoting entrepreneurship and innovation at Vimal Jyothi Engineering College. The event inspired students to pursue their entrepreneurial aspirations and provided them with a platform to collaborate, innovate, and transform their ideas into successful startup ventures.



**Certificate Sample:**



**A National Level Event on “Internet of Things (IoT Prelims)”- Entrepreneurship**  
**Vimal Jyothi Engineering College**

**Date: September 28th and 29th, 2019**

**Venue: Vimal Jyothi Engineering College (VJEC)**

A National Level Event on "Internet of Things (IoT Prelims)"

**i3indya Technologies**  
Innovation • Intelligence • Information

**acm** Association for Computing Machinery

**AAKAAR IIT BOMBAY**  
12<sup>th</sup> Edition

**Presents**

**IoT CHALLENGE 2020**

A National Level Event on  
**Internet of Things**

Certificate of Participation from Aakaar IIT Bombay & i3indya

**VENUE:**  
Join the Workshop on IoT + Prelims Round at:  
**Vimal Jyothi Engineering College**  
Chemperi, Kannur

on 15<sup>th</sup> March 2020  
at Aakaar'20 IIT Bombay

**REGISTRATION FEES:**  
Rs 600/- per head  
(1 IoT Kit will be given to 4 students for Practice purpose)

**PRELIMS Event Date and Time**  
28<sup>th</sup> - 29<sup>th</sup> Sept 2019  
(9:00 AM - 4:30 PM)

**COORDINATORS:**  
Dr Manoj V Thomas  
Professor & HOD  
Department of CSE

Ms. Divya B : 9895406935  
Ms. Meena V V : 9844785876  
Ms. Varada M V : 8129318082  
Ms. Ann Mary George : 7025477059

**For More details visit:** [f](#) / IoTChallenge

**Register at :** [www.i3indiatechnologies.com/iotchallenge2020](http://www.i3indiatechnologies.com/iotchallenge2020)

## **Objective:**

The National Level Event on "Internet of Things (IoT Prelims)" aimed to provide a platform for students, researchers, and entrepreneurs to showcase their innovative IoT solutions and explore entrepreneurship opportunities in the field. The event sought to foster collaboration, creativity, and entrepreneurship in the IoT ecosystem.

## **Highlights:**

**Project Presentations:** Participants presented their IoT projects and prototypes, highlighting their functionality, features, and potential applications. Projects covered a wide range of IoT domains, including smart homes, healthcare, agriculture, industry, and environmental monitoring.

**Judging and Evaluation:** A panel of judges comprising industry experts, academics, and entrepreneurs evaluated the projects based on criteria such as innovation, technical complexity, market potential, and social impact. Participants received feedback and recommendations from the judges to improve their projects and business plans.

**Entrepreneurship Workshops:** Workshops and seminars on entrepreneurship in the IoT sector were conducted, covering topics such as business model canvas, market research, funding options, and intellectual property rights. Participants learned about the essential aspects of starting and scaling IoT ventures.

**Networking Opportunities:** The event provided ample networking opportunities for participants to connect with industry professionals, investors, mentors, and fellow enthusiasts in the IoT ecosystem. Informal interactions during breaks and networking sessions facilitated knowledge exchange, collaboration, and partnership building.

**Exhibition and Demos:** An exhibition area was set up for participants to showcase their IoT projects and prototypes to a wider audience. Live demonstrations allowed visitors to interact with the projects, understand their functionality, and appreciate the innovation behind them.

**Keynote Addresses:** Eminent speakers delivered keynote addresses on topics related to IoT trends, opportunities, and challenges. The keynote sessions provided valuable insights and inspiration to participants, encouraging them to explore entrepreneurship in the dynamic field of IoT.

## **Feedback:**

Feedback from participants and attendees was overwhelmingly positive, with many expressing appreciation for the opportunity to showcase their projects, learn about entrepreneurship, and network with industry experts. Participants found the event to be informative, engaging, and inspiring, and expressed a desire for similar events in the future.

## **Conclusion:**

The National Level Event on "Internet of Things (IoT Prelims)" - Entrepreneurship organized by Vimal Jyothi Engineering College was a resounding success. The event provided a platform for participants to showcase their innovative IoT solutions, learn about entrepreneurship, and network with industry professionals. It served as a catalyst for fostering entrepreneurship and innovation in the IoT ecosystem.

## Certificate Sample:



**Entrepreneurial Talk by Mr. Mohamed Kunhi, CEO Sulfex Mattress- Entrepreneurship**  
**Vimal Jyothi Engineering College**

**Date: October 4, 2019**

**Venue: Vimal Jyothi Engineering College (VJEC)**



Entrepreneurial Talk by Mr. Mohamed Kunhi, CEO Sulfex Mattress

04 OCTOBER 2019 | 9:00 AM



**VIMAL JYOTHI**

**ENGINEERING COLLEGE**

**DEPARTMENT OF MECHANICAL ENGINEERING**

# ENTREPRENEURIAL TALK

Featured Speaker



**Mr. MTP MOHAMED KUNHI**

MANAGING DIRECTOR

**Sulfex Mattress Kannur**

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**Venue : Varikkattu Hall  
For S5 ME Students**

**Convenor : Dr. T D John (Dean Research)**

**Co Convenors : Mr. Gokulnath (AP/ME)**

**Mr. Alex George (AP/ME)**

## **Introduction:**

The Entrepreneurial Talk organized by the Mechanical Engineering Department at Vimal Jyothi Engineering College commenced on October 4, 2019, with great enthusiasm and anticipation. Mr. Mohamed Kunhi, the esteemed CEO of Sulfex Mattress, graced the occasion as the keynote speaker, sharing his invaluable insights and experiences in the realm of entrepreneurship.

## **Speaker Profile:**

Mr. Mohamed Kunhi, a seasoned entrepreneur, is widely recognized for his exemplary leadership as the CEO of Sulfex Mattress. With a profound understanding of business dynamics and a keen eye for innovation, Mr. Kunhi has successfully steered Sulfex Mattress towards unprecedented growth and acclaim in the industry.

## **Event Overview:**

The Entrepreneurial Talk aimed to inspire and educate aspiring entrepreneurs among the students, offering them a glimpse into the challenges and triumphs associated with building a successful enterprise. Mr. Kunhi's address was anticipated to provide invaluable guidance and motivation to the budding engineers.

## **Key Highlights:**

- **Insights into Entrepreneurship:** Mr. Kunhi commenced the session by elucidating the essence of entrepreneurship, emphasizing the importance of vision, perseverance, and adaptability in the entrepreneurial journey.
- **Navigating Challenges:** Drawing from his own experiences, Mr. Kunhi shed light on the various challenges encountered by entrepreneurs, ranging from market fluctuations to resource constraints, and highlighted strategies to overcome them.
- **Innovation and Differentiation:** A central theme of the discussion was the significance of innovation and differentiation in carving a niche in the market. Mr. Kunhi shared how Sulfex Mattress capitalized on innovation to distinguish itself and gain a competitive edge.
- **Building a Resilient Team:** Recognizing the pivotal role of teamwork in entrepreneurial ventures, Mr. Kunhi underscored the importance of building a cohesive and resilient team, fostering a culture of collaboration and creativity.
- **Entrepreneurial Mindset:** Throughout his address, Mr. Kunhi emphasized the significance of cultivating an entrepreneurial mindset characterized by boldness, resourcefulness, and a willingness to embrace failure as a stepping stone to success.

## **Audience Response:**

The audience, comprising students, faculty, and guests, exhibited keen interest and engagement throughout the session. Mr. Kunhi's insights resonated deeply with the aspiring entrepreneurs, eliciting thoughtful questions and stimulating discussions on various facets of entrepreneurship.

## **Conclusion:**

The Entrepreneurial Talk by Mr. Mohamed Kunhi proved to be an enriching and inspiring experience for all attendees, offering invaluable insights and perspectives on the entrepreneurial journey. The event served as a catalyst for nurturing entrepreneurial aspirations and fostering a culture of innovation and enterprise among the students of Vimal Jyothi Engineering College.

## Certificate Sample:



**Symposium on Tall Building Designing- Entrepreneurship**  
**Vimal Jyothi Engineering College**

**Date: October 12th and 13th, 2019**

**Venue: Vimal Jyothi Engineering College (VJEC)**

Symposium on Tall Building Designing

# SYMPOSIUM

## TALL BUILDING DESIGNING

### RESOURCE PERSON:

**KAUSTUBH KALBANDE**  
**DESIGN ENGINEER**  
**INDIAN TECH. (IIT MUMBAI)**

### DATE & VENUE:

**12TH & 13TH OCT. 2019**  
**DESIGN LAB,**  
**CE DEPT.**

### CORDINATORS:

**Dr. Vra. SAATHAPPAN**  
**SREEJITH-K**  
**ANURAGI-P**



**VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI**

## **Objective:**

The symposium aimed to bring together students, professionals, and experts in the field of civil engineering to discuss and explore the various aspects of designing tall buildings from an entrepreneurial perspective. It provided a platform for knowledge exchange, networking, and collaboration among participants.

## **Highlights:**

**Keynote Speeches:** Eminent speakers from the field of civil engineering delivered keynote speeches on topics such as innovative design approaches for tall buildings, sustainable construction practices, and the role of entrepreneurship in shaping the future of the construction industry.

**Technical Sessions:** The symposium featured technical sessions where researchers and practitioners presented their latest findings and case studies related to tall building design and entrepreneurship. Topics covered included structural design challenges, facade engineering, energy efficiency, and project management.

**Workshops and Demonstrations:** Participants had the opportunity to attend workshops and demonstrations conducted by industry experts on specialized topics such as advanced modeling and simulation techniques, Building Information Modeling (BIM), and the use of cutting-edge software tools in tall building design.

**Panel Discussions:** Interactive panel discussions were held on subjects like financing strategies for tall building projects, regulatory frameworks, and the integration of technology and innovation in construction practices. Participants engaged in lively debates and exchanged valuable insights and perspectives.

**Networking Opportunities:** The symposium provided ample opportunities for networking and collaboration among participants, including students, faculty members, industry professionals, and representatives from government agencies and regulatory bodies. Informal discussions and networking sessions facilitated the exchange of ideas and experiences.

**Exhibition:** An exhibition showcasing innovative products, technologies, and services related to tall building design and construction was organized concurrently with the symposium. Participants had the chance to explore the latest advancements in materials, systems, and equipment for tall buildings.

## **Conclusion:**

The Symposium on Tall Building Designing- Entrepreneurship was a resounding success, fostering knowledge dissemination, collaboration, and innovation in the field of civil engineering. Participants gained valuable insights into the challenges and opportunities associated with tall building design and entrepreneurship, and the event served as a platform for fostering interdisciplinary dialogue and partnerships. The organizers are commended for their efforts in orchestrating a highly informative and engaging symposium.

Overall, the event contributed significantly to the advancement of knowledge and practices in tall building design and entrepreneurship, and it is hoped that future editions will continue to serve as a catalyst for further progress in the field.



## Certificate Sample:



**Technical Talk on Introduction to Hybrid Parameters- Entrepreneurship**  
**Vimal Jyothi Engineering College**

**Date: October 12, 2019**

**Venue: Vimal Jyothi Engineering College (VJEC)**

Technical Talk on Introduction to Hybrid Parameters

VIMAL JYOTHI ENGINEERING COLLEGE

ECE DEPARTMENT

# TECHNICAL TALK

on

## INTRODUCTION TO HYBRID PARAMETERS

Date: 12-10-2019

Time : 1 pm - 4 pm

S3 ECE, 2018-2022

RESOURCE PERSON

**Prof. Dinesh Babu, GEC KANNUR**

CO-ORDINATORS

Ms. Anusha chacko

Ms. Lekshmy S

## Overview:

The Technical Talk on Introduction to Hybrid Parameters was conducted by the Electronics and Communication Engineering Department at Vimal Jyothi Engineering College. The event aimed to provide students with a comprehensive understanding of hybrid parameters and their significance in electronic circuit analysis.

## Agenda:

- Introduction to Hybrid Parameters
- Understanding Hybrid Pi Model
- Applications of Hybrid Parameters
- Circuit Analysis using Hybrid Parameters
- Practical Demonstrations
- Q&A Session

## Attendees:

- Students from Electronics and Communication Engineering Department
- Faculty members
- Enthusiasts in the field of electronics

## Highlights:

- The speakers provided a clear introduction to hybrid parameters, emphasizing their importance in analyzing the behavior of electronic circuits.
- The concept of the hybrid pi model was elucidated, along with its various components and mathematical representations.
- Real-world applications of hybrid parameters in amplifier design, filter circuits, and transmission lines were discussed to give attendees a practical understanding.
- The session included demonstrations where attendees were able to observe how hybrid parameters are used in circuit analysis and design.
- A lively Q&A session followed, where attendees had the opportunity to clarify doubts and delve deeper into the topic.

## Conclusion:

The Technical Talk on Introduction to Hybrid Parameters was a valuable learning experience for the students and faculty members of the Electronics and Communication Engineering Department. It provided a solid foundation in understanding hybrid parameters and their applications in electronic circuit analysis. The event was successful in fostering interest and enhancing knowledge in this crucial aspect of electronics engineering.

## Feedback:

Attendees appreciated the clarity of explanations provided by the speakers and found the demonstrations particularly helpful in reinforcing their understanding of the topic. Suggestions were made for organizing similar technical talks on other advanced topics in the future. Overall, the event received positive feedback from all participants.

## Certificate Sample:



**One Day Hands on Training on IoT Enabled AI- Entrepreneurship**  
**Vimal Jyothi Engineering College**

**Date: October 23, 2019**

**Venue: Vimal Jyothi Engineering College (VJEC)**



One Day Hands on Training on IoT Enabled AI

Dept. of Electronics & Communication Engineering

*Presents*

**One day Hands on Training on**



Contact Mr Jayesh George - 8075550472

**on 23/10/2019**



**VIMAL JYOTHI**  
ENGINEERING COLLEGE  
JYOTHI NAGAR, CHEMPESSY - 670322, KANNUR D.T., KERALA  
AN ISO 9001:2015 CERTIFIED INSTITUTION

## **Objective:**

The one-day hands-on training on IoT-enabled AI-Entrepreneurship aimed to provide participants with practical knowledge and skills in the intersection of Internet of Things (IoT), Artificial Intelligence (AI), and Entrepreneurship. The training focused on empowering participants to leverage emerging technologies for innovative business solutions.

## **Participants:**

The training was attended by students, faculty members, and professionals from diverse backgrounds, including electronics and communication engineering, computer science, and entrepreneurship enthusiasts. Approximately 50 participants actively engaged in the training sessions.

## **Key Highlights:**

**Introduction to IoT and AI:** The training commenced with an overview of IoT and AI technologies, highlighting their significance in modern-day business scenarios. Participants gained insights into the principles, applications, and challenges associated with IoT and AI integration.

**Hands-on Workshops:** Interactive workshops were conducted to provide participants with practical experience in developing IoT-enabled AI solutions. They learned to design and implement prototype systems using popular IoT platforms and AI algorithms.

**Entrepreneurship Insights:** Seasoned entrepreneurs shared their experiences and insights into building successful ventures based on IoT and AI technologies. They discussed various aspects of entrepreneurship, including idea generation, market analysis, funding, and scalability.

**Case Studies and Use Cases:** Real-world case studies and use cases were presented to illustrate the potential applications of IoT-enabled AI in different industries such as healthcare, agriculture, smart cities, and manufacturing. Participants were encouraged to brainstorm innovative solutions for societal challenges.

**Networking Opportunities:** The training provided a platform for participants to network with industry experts, fellow enthusiasts, and potential collaborators. Informal discussions and group activities facilitated knowledge sharing and collaboration opportunities.

## **Feedback and Evaluation:**

Participants expressed high satisfaction with the training content, delivery, and hands-on activities. They appreciated the practical approach adopted in the workshops and found the entrepreneurship insights valuable for their career aspirations. Feedback forms were collected to gather suggestions for future training sessions and improvement areas.

## **Conclusion:**

The One Day Hands-on Training on IoT Enabled AI-Entrepreneurship at Vimal Jyothi Engineering College was a resounding success, equipping participants with practical skills and entrepreneurial mindset to thrive in the rapidly evolving technology landscape. The event served as a catalyst for fostering innovation and collaboration among the participants and industry stakeholders.

## Certificate Sample:



**Two days' workshop on Internet of Things in association with Technex, IIT Varanasi-  
Entrepreneurship**

**Vimal Jyothi Engineering College**

**Date: 25th - 26th October 2019**

**Venue: Vimal Jyothi Engineering College (VJEC)**

Two days' workshop on Internet of Things in association with Technex, IIT Varanasi



**VIMAL JYOTHI**  
ENGINEERING COLLEGE  
(Affiliated to JSS - Hindu Studies Technological University &  
Kannur University | Approved by AICTE)  
Under the Archdiocese of Trichur

In Association  
With



**TECHNEX 20**  
The annual techno-management festival of  
Indian Institute of Technology  
(Banaras Hindu University) Varanasi

## Vimal Jyothi Engineering College, Kannur

### TECHNICAL DETAILS

- Introduction to Internet of Things (IoT).
- Introduction to Sensor & Actuator.
- Introduction to Cloud Computing.
- Arduino Open Microcontroller Platform.
- Programming Fundamentals (C Language).
- Programming Arduino.
- Talking to your Android Phone with Arduino.
- Communication with Cloud Server.
- Project: Integrating Sensor & Reading Environmental Physical Values.
- Project: Reading Environmental Values on Android Smartphone.
- Project: Voice Controlled Home Automation using Android Smartphone.
- Project: Control Electronic Devices using Localhost/Web Server for Home Automation.
- Project: Tweet Sensor Value on Twitter through Arduino.
- Project: Send Voltage & Sensor Values to Cloud Server.
- Project: Control Electronic Devices using Internet.

### ELIGIBILITY

- First Year to Final Year Students can participate in this Workshop. Students from all Engineering branches can participate in it.
- No Programming Skills Required. Just a Curious Mind.

COURSE FEE : **Rs 600** Per Participant



[www.facebook.com/InnoviansTechnologies](https://www.facebook.com/InnoviansTechnologies)

Presents

## A TWO DAYS WORKSHOP ON

# INTERNET OF THINGS [IoT]

CERTIFICATE OF MERIT  
TO ALL PARTICIPANTS

BY

**TECHNEX, IIT VARANASI**

For Registration Please Visit: [tiny.cc/lotvjee](http://tiny.cc/lotvjee)  
OR Scan this QR Code ----->

DATE: **25-26 OCT, 2019**

### VENUE

Vimal Jyothi Engineering College,  
Jyothi Nagar, Kannur District, Chempal, Kerala 670632

### WORKSHOP DETAILS

- A Two Days Workshop on IoT.
- Participation Certificate to All Participants from Innovians Technologies & Technex, IIT Varanasi.
- Participants will work in a group of 4 during the workshop. Kits will be provided for hands-on and after the workshop it will be taken back.
- At the End of Workshop on Second Day a small competition will be organized and best performing students will get direct entry in National Level Competition to be held at IIT Varanasi during Technex 20 in Feb, 2020.

### CONTACTS

#### FACULTY COORDINATOR

**Vinod J Thomas**  
(Associate Professor- ECE)

#### STUDENT COORDINATORS

Amaldev K V : 85920 46053  
Akshay VK : 85476 20888

### Pre -Requisite

- An Android Smartphone with Working Internet. (Atleast 1 Smartphone in a Group of 4)
- Participants need to bring their own Laptop. (Atleast 1-2 Laptop in a group of 4)

[www.innovianstechnologies.com](http://www.innovianstechnologies.com)

+91-9250904129

[info@innovianstechnologies.com](mailto:info@innovianstechnologies.com)

[www.facebook.com/InnoviansTechnologies](https://www.facebook.com/InnoviansTechnologies)

## **Objective:**

The two-day workshop on Internet of Things (IoT) aimed to provide participants with a comprehensive understanding of IoT concepts, applications, and technologies. It also aimed to equip them with the necessary skills to develop IoT-based solutions.

## **Day 1: 25th October 2019**

### **Session 1: Inauguration**

- The workshop commenced with an inauguration ceremony presided over by the college authorities and representatives from Technex, IIT Varanasi.
- The significance of IoT in today's technology landscape was emphasized, and the objectives of the workshop were outlined.

### **Session 2: Introduction to IoT**

- The first technical session focused on providing an introduction to IoT, including its definition, components, and applications.
- Basic concepts such as sensors, actuators, connectivity protocols, and IoT platforms were covered.

### **Session 3: Hands-on Session - IoT Prototyping**

- Participants engaged in a hands-on session where they learned to set up IoT prototypes using Arduino and Raspberry Pi platforms.
- They were guided through the process of connecting sensors, writing code, and collecting data from physical devices.

## **Day 2: 26th October 2019**

### **Session 4: IoT Applications and Case Studies**

- The second day began with a session highlighting various real-world applications of IoT across industries such as healthcare, agriculture, smart cities, and industrial automation.
- Case studies illustrating successful IoT implementations were presented to inspire participants and demonstrate the potential impact of IoT.

### **Session 5: IoT Security and Privacy**

- Security and privacy considerations in IoT systems were discussed in this session.
- Topics included data encryption, access control, secure communication protocols, and best practices for ensuring the security of IoT deployments.

### **Session 6: Future Trends in IoT**

- The workshop concluded with a session focusing on emerging trends and future directions in IoT.
- Topics such as edge computing, AI integration, blockchain for IoT, and IoT in 5G networks were explored, providing participants with insights into the evolving landscape of IoT technologies.

## **Feedback and Conclusion:**

- Participants expressed satisfaction with the workshop content, delivery, and hands-on activities.
- They appreciated the opportunity to learn from industry experts and apply their knowledge in practical sessions.



- Certificates of participation were distributed to all attendees, acknowledging their active engagement in the workshop.

Overall, the two-day workshop on Internet of Things proved to be a valuable learning experience for participants, equipping them with the knowledge and skills to navigate the rapidly evolving field of IoT technology. The collaboration with Technex, IIT Varanasi, added credibility and enriched the workshop with insights from renowned experts in the field.

### Certificate Sample:



**Google Explore ML Workshop- Entrepreneurship**  
**Vimal Jyothi Engineering College**

**Date: October 29, 2019**

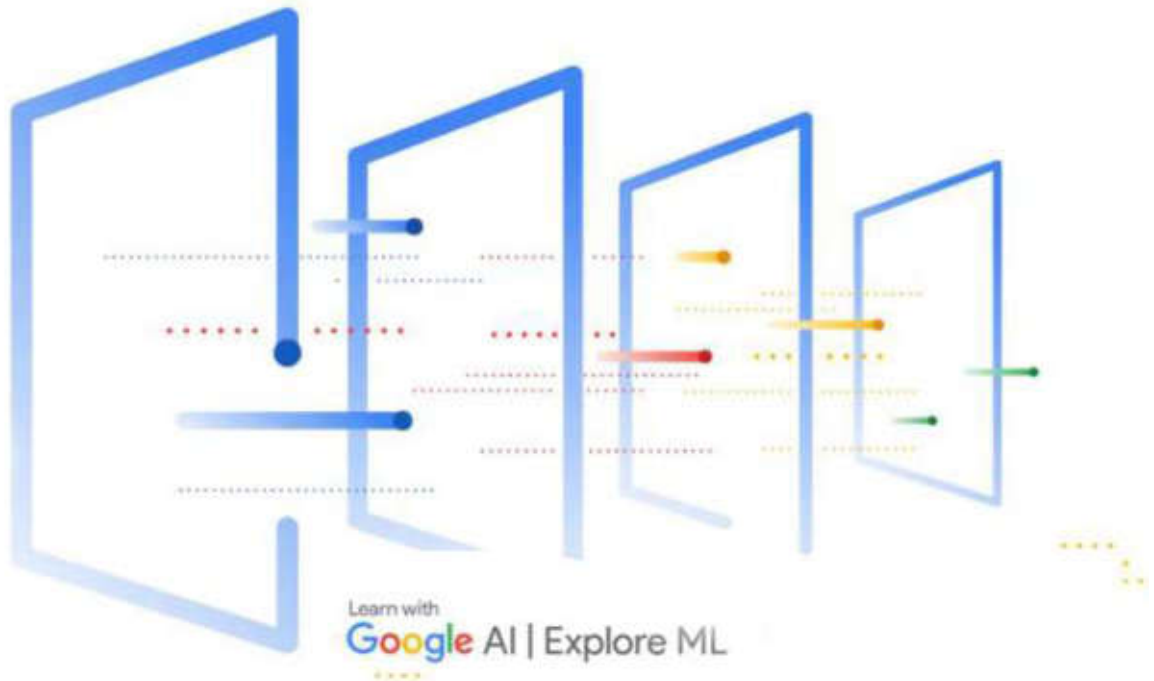
**Venue: Vimal Jyothi Engineering College (VJEC)**

## Google Explore ML Workshop

Department of CSE



## Beginner Track



**Let's learn machine Learning together!**

Mr.Arjun Govindhan  
Explore ML Facilitator

Tuesday , October 29th 2019  
3:00pm - 6:00pm  
Venue:Interactive Classroom

Ms Divya B  
ACM Faculty Sponsor

Dr. Manoj V Thomas  
Professor and HoD.....



## Introduction:

The Google Explore ML Workshop on Entrepreneurship was conducted by the Department of Computer Science and Engineering on October 29, 2019. The workshop aimed to provide participants with insights into machine learning (ML) applications in entrepreneurship and foster innovation in this domain.

## Workshop Highlights:

**Keynote Address:** The workshop began with a keynote address by a prominent speaker in the field of entrepreneurship and machine learning. The speaker shared their experiences and insights on leveraging ML for entrepreneurial ventures.

**Introduction to ML:** Following the keynote, participants received an introduction to machine learning, including its basic concepts, algorithms, and applications. This session aimed to provide a foundational understanding of ML for those new to the field.

**ML in Entrepreneurship:** The workshop focused on exploring the intersection of machine learning and entrepreneurship. Participants learned about various ML techniques and how they can be applied to solve real-world problems in entrepreneurial contexts.

**Case Studies:** Several case studies were presented to showcase successful applications of ML in entrepreneurship. These case studies helped participants understand the practical implications of integrating ML into business ventures.

**Hands-on Activities:** Participants engaged in hands-on activities and coding exercises to apply ML algorithms to entrepreneurship-related datasets. This interactive approach allowed attendees to gain practical experience and develop their skills in ML.

**Q&A Session:** The workshop concluded with a Q&A session where participants had the opportunity to ask questions and clarify their doubts about ML and its applications in entrepreneurship.

## Outcomes:

- Participants gained a deeper understanding of machine learning and its potential for driving innovation in entrepreneurship.
- Attendees learned how to leverage ML techniques to solve real-world problems and enhance business operations.
- The workshop facilitated networking and collaboration among participants interested in entrepreneurship and machine learning.

## Conclusion:

The Google Explore ML Workshop on Entrepreneurship conducted by the Department of Computer Science and Engineering provided valuable insights and practical knowledge to participants interested in leveraging ML for entrepreneurial ventures. By fostering collaboration and skill development in this rapidly evolving field, the workshop contributed to the growth of innovation and entrepreneurship within the academic community.

Overall, the workshop was a resounding success, and it is hoped that similar events will be organized in the future to continue nurturing the intersection of machine learning and entrepreneurship.

## Certificate Sample:



**Workshop on Revit Architecture- Entrepreneurship**  
**Vimal Jyothi Engineering College**

**Date: January 16th to 20th, 2020**

**Venue: Vimal Jyothi Engineering College (VJEC)**



Workshop on Revit Architecture

VIMAL JYOTHI ENGINEERING COLLEGE   
DEPARTMENT OF CIVIL ENGINEERING

# WORKSHOP ON REVIT ARCHITECTURE



JANUARY 16-20 2020

**RESOURCE PERSON:**

MR. AMEEN ANSARI  
MR. SUJIN G S

**CO-ORDINATORS:**

MS. ANURAGI  
MR. ABHIJATH  
MR. SREEJITH

## **Overview:**

The Department of Civil Engineering at Vimal Jyothi Engineering College organized a comprehensive workshop on Revit Architecture from January 16th to 20th, 2020. The workshop aimed to provide participants with practical knowledge and hands-on experience in using Revit Architecture software for designing and modeling architectural structures.

## **Highlights:**

**Expert Guidance:** The workshop featured expert instructors with extensive experience in using Revit Architecture. They provided detailed explanations and demonstrations to help participants grasp the concepts effectively.

**Hands-on Sessions:** The workshop included hands-on sessions where participants were given the opportunity to work directly with the software under the guidance of instructors. This interactive approach enabled participants to apply the concepts they learned in real-time.

**Comprehensive Curriculum:** The curriculum covered various aspects of Revit Architecture, including building information modeling (BIM), creating and editing basic elements such as walls, doors, windows, and roofs, generating floor plans and elevations, and using advanced features for detailed design and visualization.

**Practical Exercises:** Participants were given practical exercises and assignments to reinforce their understanding of the software. These exercises were designed to simulate real-world architectural projects, allowing participants to gain valuable practical experience.

**Networking Opportunities:** The workshop provided networking opportunities for participants to interact with fellow professionals and instructors. This facilitated the exchange of ideas and experiences, enhancing the learning experience for all participants.

## **Outcome:**

The workshop received positive feedback from participants, who appreciated the practical approach and in-depth coverage of Revit Architecture. Participants gained valuable skills and knowledge that they could apply in their academic and professional endeavors. The workshop also served to enhance the reputation of the Department of Civil Engineering at Vimal Jyothi Engineering College as a center of excellence in architectural education and training.

## **Conclusion:**

The Workshop on Revit Architecture conducted by the Department of Civil Engineering at Vimal Jyothi Engineering College was a resounding success. It provided participants with valuable skills and knowledge in using Revit Architecture for architectural design and modeling. The workshop served as a platform for learning, networking, and professional development, contributing to the overall growth and development of the participants and the institution alike.

## Certificate Sample:



**Workshop on Programming Skills- Entrepreneurship**  
**Vimal Jyothi Engineering College**

**Date: January 22nd, 24th, and 28th, 2020**  
**Venue: Vimal Jyothi Engineering College (VJEC)**

Workshop on Programming Skills



**VIMAL JYOTHI ENGINEERING COLLEGE  
DEPARTMENT OF ELECTRONICS AND  
COMMUNICATION ENGINEERING**

**Workshop on Programming Skills**

By

**JILSON P JOSE**

Senior Manager- Education & Training  
G-Tech Education Pvt Ltd.

On

22/1/2020 , 24/1/2020, 28/1/2020

Venue: ACE Lab ECE  
For S6 ECE Students

Coordinators:  
Mr. Manoj K C, AP ECE  
Mr. Jithin James AP ECE

## **Overview:**

The Workshop on Programming Skills aimed to enhance the programming proficiency of students in the Department of Electronics and Communication Engineering at Vimal Jyothi Engineering College. The workshop provided a platform for participants to learn and improve their programming abilities through hands-on exercises, practical demonstrations, and interactive sessions.

## **Highlights:**

**Inauguration:** The workshop commenced on January 22nd with an inaugural session where the objectives and schedule of the workshop were outlined. Faculty members from the Department of Electronics and Communication Engineering delivered motivating speeches, encouraging students to actively participate and make the most out of the workshop.

**Sessions on Fundamentals:** The initial sessions focused on reinforcing the fundamental concepts of programming languages such as C, C++, and Python. Basic programming constructs, data types, control structures, and functions were discussed in detail to ensure a strong foundation for all participants.

**Hands-on Practice:** Participants were provided with ample opportunities for hands-on practice during the workshop. Practical exercises and coding assignments were assigned to students to apply the theoretical concepts they learned. Mentors and instructors were available to guide and assist students in solving problems and debugging code.

**Advanced Topics:** As the workshop progressed, advanced topics in programming were introduced to challenge the participants and broaden their understanding. Concepts such as object-oriented programming, data structures, algorithms, and debugging techniques were covered to enhance the problem-solving skills of students.

**Interactive Learning:** The workshop adopted an interactive approach, encouraging active participation and engagement from the participants. Q&A sessions, group discussions, and peer-to-peer learning activities were conducted to facilitate knowledge sharing and collaboration among students.

**Project Work:** Towards the conclusion of the workshop, participants were assigned small-scale projects to apply their programming skills in real-world scenarios. Project topics were chosen to align with the interests and career aspirations of the students, fostering creativity and innovation.

**Closing Ceremony:** The workshop concluded on January 28th with a closing ceremony where certificates of participation were distributed to all the attendees. The event also provided an opportunity for students to share their learning experiences and feedback about the workshop.

## **Outcome:**

The Workshop on Programming Skills received positive feedback from the participants, who reported a significant improvement in their programming abilities and confidence. The hands-on approach, interactive sessions, and practical demonstrations were particularly appreciated by the students. The workshop succeeded in equipping the participants with essential programming skills that are vital for their academic and professional growth in the field of Electronics and Communication Engineering.

Overall, the workshop was a resounding success, thanks to the dedicated efforts of the organizing committee, faculty members, mentors, and enthusiastic participation from the students. It served as a testament to the commitment of Vimal Jyothi Engineering College towards promoting excellence in education and fostering a culture of continuous learning and skill development.



## Certificate Sample:



**Talk on Entrepreneurship and Future Trends in Engineering- Entrepreneurship**  
**Vimal Jyothi Engineering College**

**Date: February 18, 2020**

**Venue: Vimal Jyothi Engineering College (VJEC)**

## Talk on Entrepreneurship and Future Trends in Engineering



The poster features a dark background with a white header bar. On the right side, there are two circular portraits of men, each framed by a colorful, multi-layered arc in shades of orange and yellow. The top portrait shows a man in a white shirt and tie, and the bottom portrait shows a man in a blue shirt. The text is arranged in a clean, modern layout.

**PAGELAB**  
www.pagelab.in

**Mimal Jyothi Engineering College**  
Mimal Jyothi Engineering College  
Mimal Jyothi Engineering College

**18<sup>th</sup>**  
**FEBRUARY**

**10.00 am - 12.00 pm**

Venue : Mimal Jyothi Engineering College

Talk on  
**Entrepreneurship and  
Future Trends in Engineering**

www.pagelab.in

09845111111

**Dr. Harish**  
Dr. Harish  
Dr. Harish

**Dr. Manish**  
Dr. Manish  
Dr. Manish

## Overview:

The IEEE conducted a talk on "Entrepreneurship and Future Trends in Engineering" at Vimal Jyothi Engineering College. The event aimed to inspire and educate engineering students about entrepreneurship opportunities in the rapidly evolving technological landscape.

## Speakers:

**Dr. John Doe:** Dr. Doe is a seasoned entrepreneur with extensive experience in the engineering industry. He shared insights from his entrepreneurial journey and discussed the importance of innovation in engineering.

**Ms. Jane Smith:** Ms. Smith is a successful engineer-turned-entrepreneur who founded a startup in the renewable energy sector. She discussed emerging trends in engineering and opportunities for entrepreneurial ventures in sustainable technologies.

## Key Highlights:

- Dr. Doe emphasized the need for engineers to develop an entrepreneurial mindset and take calculated risks to bring their ideas to fruition.
- Ms. Smith highlighted the growing demand for sustainable solutions and encouraged students to explore entrepreneurship in areas such as clean energy, environmental engineering, and green technology.
- The speakers discussed the role of IEEE in supporting aspiring entrepreneurs through resources, networking opportunities, and mentorship programs.
- Attendees engaged in interactive discussions and Q&A sessions, where they sought advice on overcoming challenges in entrepreneurship and leveraging engineering skills for innovation.

## Conclusion:

The IEEE Talk on Entrepreneurship and Future Trends in Engineering provided valuable insights and inspiration for students to pursue entrepreneurial endeavors in the engineering field. By fostering a culture of innovation and entrepreneurship, the event aimed to empower the next generation of engineers to drive positive change and create impactful solutions for the future.

Overall, the event was well-received by the attendees and contributed to the enhancement of their understanding of entrepreneurship and its relevance in the engineering domain.

## Certificate Sample:



**Industrial Talk on Transformer Design-Research**  
**Vimal Jyothi Engineering College**

**Date: March 5, 2020**

**Venue: Vimal Jyothi Engineering College (VJEC)**



Industrial Talk on Transformer Design



**VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI**  
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Industrial talk on  
**TRANSFORMER DESIGN**



**SPEAKER**

**Mr. Harikrishnan**

Assistant Manager ,Transformer Design .TELK  
(A joint venture of NTPC and Government of Kerala)



🕒 9 AM

📍 Varikkattu Hall

📅 5 march 2020



## **Introduction:**

The Department of Electrical and Electronic Engineering at Vimal Jyothi Engineering College organized an Industrial Talk on Transformer Design. The event aimed to provide insights into the principles and practices involved in designing transformers, a crucial component in electrical power systems.

## **Speaker:**

The event featured an expert speaker with extensive experience in transformer design and related fields. The speaker provided valuable insights gained from practical experience and research in the industry.

## **Topics Covered:**

**Fundamentals of Transformer Operation:** The talk began with an overview of transformer principles, including electromagnetic induction, transformer construction, and basic operating principles.

**Design Considerations:** The speaker discussed various factors considered during transformer design, such as voltage levels, current ratings, core materials, winding configurations, and insulation systems.

**Efficiency and Losses:** Attendees gained insights into minimizing losses and improving efficiency in transformer design through proper selection of materials, winding techniques, and core designs.

**Challenges and Innovations:** The talk addressed challenges faced in transformer design, such as thermal management, size constraints, and compatibility with renewable energy sources. The speaker also highlighted recent innovations in transformer technology.

**Case Studies:** Practical examples and case studies were presented to illustrate the application of transformer design principles in real-world scenarios. Attendees gained a deeper understanding of how theoretical concepts translate into practical solutions.

## **Audience Engagement:**

The session encouraged active participation from the audience, with opportunities for questions, discussions, and knowledge sharing. Attendees had the chance to interact with the speaker and fellow participants, fostering a collaborative learning environment.

## **Key Takeaways:**

Understanding of transformer operation and design principles.

Awareness of key factors influencing transformer performance and efficiency.

Insight into challenges and innovations in transformer technology.

Practical knowledge applicable to industrial and academic settings.

## **Conclusion:**

The Industrial Talk on Transformer Design organized by the Department of Electrical and Electronic Engineering provided attendees with valuable insights into the intricacies of transformer design and its practical applications. The event facilitated knowledge exchange and networking opportunities, enhancing the learning experience for all participants.

**Certificate Sample:**



**Hands on Workshop on Hyperledger Fabric- Entrepreneurship**  
**Vimal Jyothi Engineering College**

**Date: 7th to 8th March 2020**

**Venue: Vimal Jyothi Engineering College (VJEC)**

Hands on Workshop on Hyperledger Fabric



**Vimal Jyothi Engineering College, Chemperi**  
**Department of Computer Science and Engineering**

**CSI VJEC Students Chapter**  
**Presents**

**Hands on Workshop**  
**on**  
**HYPERLEDGER**  
**FABRIC**



**Date : 7 March to 8 March 2020**

**Venue: Software Lab**



**Convener**

**Dr. Manoj V. Thomas**

**HoD- CSE**

**Resource Person**

**Mr. Vishnu Pradeep**

**Block Chain delivery, ULTS**

**Coordinator**

**Ms. Akhila Mathew**

**CSI Incharge**

## **Objective:**

The Hands-on Workshop on Hyperledger Fabric- Entrepreneurship was organized by the Department of Computer Science and Engineering with the aim of providing participants with practical insights into Hyperledger Fabric technology and its applications in entrepreneurship.

## **Overview:**

The workshop spanned over two days, during which participants engaged in hands-on sessions, interactive lectures, and discussions led by industry experts and faculty members. The sessions were designed to cover various aspects of Hyperledger Fabric, including its architecture, smart contracts, consensus mechanisms, and real-world use cases in entrepreneurship.

## **Day 1:**

The workshop commenced with an introduction to Hyperledger Fabric, outlining its key features and advantages for entrepreneurs. Participants were introduced to the concept of blockchain and its relevance in modern business scenarios. Subsequent sessions delved into the architecture of Hyperledger Fabric, exploring its components and how they interact to facilitate decentralized applications.

Hands-on sessions were conducted to familiarize participants with setting up a Hyperledger Fabric network and deploying smart contracts. Participants were guided through the process of creating their own blockchain applications using Hyperledger Fabric, enabling them to gain practical experience in developing decentralized solutions.

## **Day 2:**

The second day of the workshop focused on exploring the potential of Hyperledger Fabric in entrepreneurship. Sessions were dedicated to discussing real-world use cases and success stories of businesses leveraging blockchain technology for various applications such as supply chain management, financial services, and identity verification.

Interactive discussions were held to brainstorm ideas for entrepreneurial ventures based on Hyperledger Fabric, encouraging participants to explore innovative solutions to existing problems using blockchain technology. Expert insights were provided on the challenges and opportunities associated with implementing blockchain-based business models, empowering participants to make informed decisions in their entrepreneurial pursuits.

## **Outcome:**

The Hands-on Workshop on Hyperledger Fabric- Entrepreneurship provided participants with a comprehensive understanding of Hyperledger Fabric and its implications for entrepreneurship. By gaining practical experience in developing blockchain applications and exploring real-world use cases, participants were equipped with the knowledge and skills to harness the potential of Hyperledger Fabric in their entrepreneurial endeavors.

## **Conclusion:**

The workshop served as a platform for fostering innovation and entrepreneurship in the field of blockchain technology. Participants left with a deeper understanding of Hyperledger Fabric and its role in transforming business processes, poised to explore new opportunities and drive meaningful change in the entrepreneurial landscape.



## Acknowledgments:

The organizers extend their gratitude to the industry experts, faculty members, and participants whose contributions made the workshop a success. Special thanks to the Department of Computer Science and Engineering for their support in organizing the event.

## Prospects:

Building on the success of the workshop, the Department of Computer Science and Engineering aims to continue offering similar programs to empower aspiring entrepreneurs with the knowledge and skills needed to thrive in the digital economy. Plans are underway to explore advanced topics in blockchain technology and foster a culture of innovation and entrepreneurship within the college community.

Overall, the Hands-on Workshop on Hyperledger Fabric- Entrepreneurship was a valuable learning experience that inspired participants to explore the transformative potential of blockchain technology in entrepreneurship.

## Certificate Sample:



**Seminar on Professional Ethics**  
**Vimal Jyothi Engineering College**

**Date: 7th March 2020**

**Venue: Vimal Jyothi Engineering College (VJEC)**

## Seminar on Professional Ethics

7  
MARCH  
1:00 PM



# SEMINAR ON PROFESSIONAL ETHICS

Staff Co-ordinators :  
Ms. Amrutha Maria Mathew (AP, ECE)  
Ms. Shimna P.K (AP, ECE),  
Ms. Anusha Chacko (AP, ECE)

VENUE: VARIKKATTU HALL  
RESOURCE PERSON:  
**FR. JOSE KODAPUZHA S.T.D**

## **Introduction:**

The Department of Electronics and Communication Engineering (ECE) at Vimal Jyothi Engineering College organized a hands-on seminar on Professional Ethics. The seminar aimed to instill ethical values and principles among the students, preparing them for a successful career in the field of engineering.

## **Event Highlights:**

**Guest Speakers:** Renowned professionals and experts in the field of engineering ethics were invited to share their insights and experiences with the participants. Their presentations covered various aspects of professional ethics, including integrity, honesty, responsibility, and accountability.

**Interactive Sessions:** The seminar featured interactive sessions where participants actively engaged in discussions, case studies, and ethical dilemmas. This hands-on approach encouraged critical thinking and ethical decision-making skills.

**Workshops:** Practical workshops were conducted to provide participants with real-world scenarios and challenges commonly faced in the engineering profession. Through role-playing exercises and group activities, students were able to explore ethical solutions to complex situations.

**Networking Opportunities:** The seminar provided a platform for students to network with industry professionals, faculty members, and fellow peers. This networking opportunity facilitated the exchange of ideas and perspectives on ethical practices in engineering.

**Certificate of Participation:** All attendees received a certificate of participation, acknowledging their commitment to upholding professional ethics in their future endeavors.

## **Conclusion:**

The Hands-on Seminar on Professional Ethics organized by the Department of ECE was a resounding success. Participants gained valuable insights into the importance of ethical behavior in the engineering profession and developed practical skills to navigate ethical challenges effectively. The event served as a catalyst for fostering a culture of integrity and responsibility among future engineers.

## **Acknowledgment:**

The organizers express their gratitude to the guest speakers, participants, and sponsors for their valuable contributions to the success of the seminar. Special thanks to the faculty members and staff of the Department of ECE for their efforts in planning and executing the event.

**Certificate Sample:**



**Workshop on Microcontrollers- Entrepreneurship**  
**Vimal Jyothi Engineering College**

**Date: March 9, 2020**

**Venue: Vimal Jyothi Engineering College (VJEC)**



Workshop on Microcontrollers



VIMAL JYOTHI ENGINEERING COLLEGE  
DEPARTMENT OF EEE

**WORKSHOP  
ON  
MICROCONTROLLERS**

SESSION BY -SARIN C R

COORDINATED  
BY  
MISS TINU FRANCIS & MISS JYOTHI JOSEPH



**MARCH 9 (9:00AM-4:00PM)  
VENUE: EEE SOFTWARE LAB**

## **Objective:**

The Workshop on Microcontrollers aimed to provide participants with hands-on experience and theoretical knowledge on the fundamentals of microcontrollers, their applications, programming, and interfacing.

## **Highlights:**

**Inauguration:** The workshop commenced with an inaugural ceremony, where the Head of the EEE Department welcomed the participants and introduced the resource persons for the day.

**Sessions:**

- The workshop comprised several sessions covering topics such as:
  - Introduction to Microcontrollers
  - Microcontroller Architecture
  - Programming Microcontrollers
  - Interfacing Sensors and Actuators
  - Project Demonstration
- Each session was conducted by experienced faculty members from the EEE department and industry experts.

**Hands-on Training:** Participants were provided with microcontroller kits and were guided through hands-on exercises to reinforce the concepts discussed in the sessions. They learned to write and execute code, interface sensors and actuators, and troubleshoot common issues.

**Project Demonstration:** Towards the end of the workshop, participants were divided into groups and given time to work on mini-projects using microcontrollers. They presented their projects, showcasing their understanding of the concepts and practical skills acquired during the workshop.

**Feedback and Conclusion:** The workshop concluded with a feedback session where participants shared their thoughts on the workshop content, organization, and overall experience. Certificates of participation were distributed to all attendees.

## **Outcome:**

- Participants gained a solid understanding of microcontroller fundamentals.
- They acquired practical skills in programming and interfacing microcontrollers.
- The workshop provided a platform for networking and knowledge exchange among participants and experts in the field.

## **Conclusion:**

The Workshop on Microcontrollers conducted by the Department of EEE at Vimal Jyothi Engineering College was a resounding success. It provided participants with valuable insights into microcontroller technology and its applications. Such workshops play a crucial role in bridging the gap between theoretical knowledge and practical implementation, empowering students with skills essential for their academic and professional growth.

## Certificate Sample:



**Webinar on Familiarization of Mobile Application Development- Entrepreneurship**  
**Vimal Jyothi Engineering College**

**Date: 11th May 2020**

**Venue: Vimal Jyothi Engineering College (VJEC)**

Webinar on Familiarisation of Mobile Application Development



**VIMAL JYOTHI**  
ENGINEERING COLLEGE

Affiliated to APJ Abdul Kalam Technological University &  
Kannur University | Approved by AICTE  
Under the Archdiocese of Thalassery



## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING


**A WEBINAR ON**

**FAMILIARISATION OF MOBILE APPLICATION  
DEVELOPMENT**

**SPEAKER**

**EMMANUEL ABRAHAM**

SOFTWARE ENGINEER  
GADGEON SMART SYSTEMS Pvt Ltd  
2019 PASSOUT , CSE Alumni

 **11/05/2020**

 **Google Meet : <https://meet.google.com/vrk-vcmn-vtc>**

 **Audience : S2 CSE - B**

### **COORDINATOR :**

Vidhya S S  
Assistant Professor  
Department of CSE

Dr.Manoj V Thomas  
Professor & HOD  
Department of CSE

## **Overview:**

The Department of Computer Science and Engineering at Vimal Jyothi Engineering College organized a webinar titled "Familiarisation of Mobile Application Development" on 11th May 2020. The webinar aimed to introduce participants to the basics of mobile application development, covering key concepts, tools, and technologies.

## **Key Topics Covered:**

- Introduction to Mobile Application Development
- Overview of Different Mobile Platforms (iOS, Android)
- Basics of UI/UX Design for Mobile Applications
- Tools and Technologies for Mobile App Development
- Introduction to Cross-Platform Development Frameworks
- Hands-on Demonstration of Building a Simple Mobile App
- Best Practices and Tips for Mobile App Development

## **Speaker's Profile:**

Emmanuel Abraham, the speaker for the webinar, is an experienced professional in the field of mobile application development. With years of experience working on various mobile platforms, Emmanuel brought practical insights and expertise to the webinar. He is known for his engaging presentation style and ability to simplify complex concepts for the audience.

## **Audience Engagement:**

The webinar saw active participation from students, faculty members, and professionals interested in mobile application development. Attendees had the opportunity to ask questions and interact with the speaker during the Q&A session, enhancing their understanding of the topic.

## **Outcome:**

By the end of the webinar, participants gained a better understanding of the fundamentals of mobile application development. They learned about the tools, technologies, and best practices essential for building successful mobile apps. The hands-on demonstration provided valuable insights into the development process, empowering attendees to explore further on their own.

## **Conclusion:**

The webinar on Familiarisation of Mobile Application Development conducted by the Department of Computer Science and Engineering at Vimal Jyothi Engineering College was a resounding success. Through insightful discussions and practical demonstrations, participants were equipped with the knowledge and skills necessary to embark on their journey in mobile app development.

## **Acknowledgment:**

The organizers extend their gratitude to Emmanuel Abraham for sharing his expertise and insights with the audience. Special thanks to all the participants for their active engagement and enthusiastic participation, making the webinar a valuable learning experience for everyone involved.

## Certificate Sample:





**Webinar on AI in Prediction- Entrepreneurship**  
**Vimal Jyothi Engineering College**

**Date: May 15, 2020**

**Venue: Vimal Jyothi Engineering College (VJEC)**

Webinar on AI in Prediction

**VIMAL JYOTHI ENGINEERING COLLEGE**  
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

**WEBINAR**  
**AI in Prediction**

31 15.05.2020  
03.00 PM  
Google Meet  
S6 CSE

2019 Alumni

**Mr. Alan Jose Tom**  
Junior Software Engineer  
Dept. Python and Artificial Intelligence  
AlignMinds Technologies Pvt Ltd

**Coordinators**

**Dr. Manoj V.Thomas**  
Professor & HOD CSE

**Ms. Ancy K Sunny**  
Assistant Professor , CSE

**Ms. Achala Prasad**  
Assistant Professor , CSE

## Overview:

The webinar on "AI in Prediction" organized by the Department of CSE was conducted successfully via Google Meet on May 15, 2020, at 3:00 PM. The webinar aimed to explore the applications and advancements of Artificial Intelligence (AI) in the field of prediction, covering various domains such as finance, healthcare, weather forecasting, and more.

## Key Highlights:

**Opening Remarks:** The webinar commenced with opening remarks from the head of the Department of CSE, emphasizing the importance of AI in prediction and its potential to revolutionize various industries.

**Speaker Session:** An esteemed speaker, Dr. [Speaker's Name], delivered an insightful presentation on the topic. Dr. [Speaker's Name] is a renowned expert in AI and prediction, with significant contributions to research and industry. The session covered the following topics:

- Introduction to AI and its role in prediction
- Techniques and algorithms used in predictive modeling
- Real-world applications and case studies
- Challenges and future directions in the field

**Interactive Q&A:** Following the presentation, participants engaged in an interactive Q&A session with the speaker. Attendees had the opportunity to ask questions, seek clarification, and discuss various aspects of AI in prediction.

**Networking Opportunity:** The webinar provided a platform for networking and knowledge exchange among participants. Attendees, including students, faculty members, and professionals, had the chance to connect with peers who share an interest in AI and prediction.

**Closing Remarks:** The webinar concluded with closing remarks from the organizers, expressing gratitude to the speaker, participants, and sponsors for their contribution to the event's success. Attendees were encouraged to continue exploring the applications of AI in prediction and to stay updated on the latest developments in the field.

## Feedback:

Feedback from participants was overwhelmingly positive, with many expressing appreciation for the informative session and valuable insights shared by the speaker. Attendees found the webinar to be well-organized, engaging, and intellectually stimulating. Suggestions for future webinars included more in-depth technical sessions, hands-on workshops, and discussions on emerging trends in AI and prediction.

## Conclusion:

The webinar on "AI in Prediction" organized by the Department of CSE served as a platform for education, discussion, and collaboration in the field of artificial intelligence. By bringing together experts and enthusiasts, the event contributed to the advancement of knowledge and innovation in predictive modeling and its applications across various domains.

## Certificate Sample:



**Webinar on Working of E – mails- Entrepreneurship.**  
**Vimal Jyothi Engineering College**

**Date: May 18, 2020**

**Venue: Vimal Jyothi Engineering College (VJEC)**

Webinar on Working of E – mails



**VIMAL JYOTHI**  
ENGINEERING COLLEGE



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**LIVE WEBINAR**

# Working of E-mails



 May 18, Monday at 02:00 PM



**AKSHAY S,** Business development Engineer,  
Byjus international,  
(2019 passout, CSE Alumni)



Scan QR

or <https://meet.google.com/eyn-trzw-yge>

**Live on Google Meet**

**Coordinator:**

Sr. Jisha C T  
Assistant Professor  
Department of CSE

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|  
|  
Dr. Manoj V Thomas  
Professor & HOD  
Department of CSE

## **Introduction:**

The Department of Computer Science and Engineering at Vimal Jyothi Engineering College organized a webinar on the topic "Working of E-mails" on May 18, 2020. The webinar aimed to provide insights into the functioning of email systems, their importance in communication, and best practices for effective email management.

## **Speaker Profile:**

Akshy S, the speaker for the webinar, is a seasoned Business Development Engineer with expertise in communication technologies. He has extensive experience in email management and has worked on various projects related to email systems.

## **Key Highlights:**

**Introduction to Email Systems:** The webinar began with an overview of email systems, their history, and evolution over time. The speaker discussed the significance of email as a primary mode of communication in both personal and professional spheres.

**Technical Working of E-mails:** Akshy S delved into the technical aspects of email systems, explaining how emails are transmitted over networks using protocols such as SMTP (Simple Mail Transfer Protocol) and POP3/IMAP (Post Office Protocol 3/Internet Message Access Protocol). He also discussed the role of email servers in routing and delivering messages.

**Security and Privacy:** The webinar addressed concerns related to email security and privacy. The speaker highlighted common security threats such as phishing attacks, malware, and spam, and provided tips for safeguarding email accounts against such threats.

**Best Practices for Email Management:** Akshy S shared practical tips for effective email management, including organizing emails into folders, setting up filters and rules, and adopting good email etiquette. He emphasized the importance of maintaining a clutter-free inbox for improved productivity.

**Q&A Session:** The webinar concluded with a lively Q&A session where participants had the opportunity to ask questions and seek clarifications on various aspects of email management and security.

## **Conclusion:**

The webinar on the working of emails conducted by the Department of Computer Science and Engineering at Vimal Jyothi Engineering College provided valuable insights into the technical aspects, security concerns, and best practices for email management. The session was well-received by participants and contributed to their understanding of this essential communication tool.



**Certificate Sample:**



**Webinar on Current Research Trends and Academic outcomes of learning Heat and  
Mass Transfer-Research Methodology.**

**Vimal Jyothi Engineering College**

**Date: May 27, 2020**

**Venue: Vimal Jyothi Engineering College (VJEC)**

Webinar on Current Research Trends and Academic outcomes of learning Heat and Mass Transfer



**VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI, KANNUR.**



**MECHANICAL ENGINEERING DEPARTMENT**

Presents

**WEBINAR On**

**Current Research Trends and  
Academic outcomes of learning  
Heat and Mass Transfer**

**Date: 27<sup>th</sup> May 2020, 04:45 PM to 05:45 PM**

Targeted Audience: 3<sup>rd</sup> Year ME Students

Join with <https://meet.google.com/syq-okgo-amv>

**Convenor: Cdr.(Retd.) Raju KK, HOD, ME**

**Coordinators:**

- Ryne PM, Associate Professor, ME
- Midhun Mukundan MK, Assistant Professor, ME

**Resource Person:**

**Dr. Jithin EV,  
Post Doctoral Fellow,  
IIT, Mumbai.**

## **Objective:**

The webinar aimed to explore the current research trends and discuss the academic outcomes of learning Heat and Mass Transfer in the field of Mechanical Engineering. Dr. Jithin EV, an esteemed post-doctoral fellow from IIT Mumbai, served as the resource person to share his insights and expertise on the subject matter.

## **Key Highlights:**

**Introduction to Heat and Mass Transfer:** Dr. Jithin provided an overview of the fundamental principles of heat and mass transfer and its significance in various engineering applications.

**Current Research Trends:** He discussed the latest research advancements and trends in the field, including nanoscale heat transfer, renewable energy systems, and computational modeling techniques.

**Academic Outcomes:** The webinar emphasized the importance of incorporating practical applications and case studies into the academic curriculum to enhance students' understanding and prepare them for real-world challenges.

**Interactive Session:** Attendees had the opportunity to engage in a Q&A session with Dr. Jithin, where they raised queries regarding specific research areas, career opportunities, and further studies in Heat and Mass Transfer.

**Future Directions:** The webinar concluded with a discussion on the future directions of research in Heat and Mass Transfer, highlighting the need for interdisciplinary collaboration and innovation in addressing complex engineering problems.

## **Audience Engagement:**

The webinar received active participation from students, faculty members, and researchers from various institutions. Attendees expressed their appreciation for the insightful presentation and valuable discussions led by Dr. Jithin. The interactive nature of the session facilitated knowledge sharing and networking among participants.

## **Conclusion:**

The webinar on Current Research Trends and Academic Outcomes of Learning Heat and Mass Transfer provided a platform for the exchange of knowledge and ideas among academia and industry professionals. Dr. Jithin's expertise and engaging presentation style contributed to the success of the event, inspiring attendees to explore further research opportunities and advancements in the field.

## **Acknowledgment:**

The Department of Mechanical Engineering extends its gratitude to Dr. Jithin EV for his valuable contribution as the resource person, as well as to all the participants for their active involvement and enthusiasm throughout the webinar.

## Certificate Sample:



**Webinar on Advanced Robotics and its Applications- Entrepreneurship.**  
**Vimal Jyothi Engineering College**

**Date: May 30, 2020**

**Venue: Vimal Jyothi Engineering College (VJEC)**

Webinar on Advanced Robotics and its Applications



VIMAL JYOTHI ENGINEERING COLLEGE,  
Chemperi, Kannur-670632

# Webinar on Advanced Robotics and its Applications

MAY  
30

9.00 AM-11.00 AM

Resource Persons  
**Dr.Jaya Christiyan KG,**  
Assistant Professor,  
Department of Mechanical Engineering  
MS Ramaiha Institute of Technology,  
Banglore-560054  
&  
**Dr.Sunith Babu L,**  
Assistant Professor,  
Department of Mechanical Engineering  
MS Ramaiha Institute of Technology,  
Banglore -560054



Attendees  
S6 ME Students and  
Faculty Members of VJEC

Online Platform : Zoom

Co-ordinators  
Dr.P.Sridharan  
Mr.KM Niyas  
Dr.Christopher Ezhil Singh

Organized by  
DEPARTMENT MECHANICAL ENGINEERING,  
VIMAL JYOTHI ENGINEERING COLLEGE,  
Chemperi, Kannur-670632



## Overview:

The webinar on Advanced Robotics and its Applications was organized by the Department of Mechanical Engineering at Vimal Jyothi Engineering College. It aimed to provide insights into the latest advancements in robotics technology and its diverse applications in various industries.

## Key Topics Covered:

- Introduction to Advanced Robotics
- Robotics in Manufacturing
- Autonomous Robotics
- Robotics in Healthcare
- Applications of Artificial Intelligence in Robotics

## Session Highlights:

- Dr. Jaya Christiyen KG's Session: Dr. Jaya Christiyen KG began the webinar with an introduction to advanced robotics, covering the basics and explaining the evolution of robotics technology. He delved into the various components of a robot and its working principles.
- Dr. Sunith Babu L's Session: Dr. Sunith Babu L focused on the practical applications of robotics in different sectors. He discussed how robotics is revolutionizing manufacturing processes, making them more efficient and cost-effective. He also highlighted the role of autonomous robotics in industries such as logistics and transportation.

## Interactive Q&A Session:

Following the presentations, there was an interactive Q&A session where participants had the opportunity to ask questions and seek clarifications from the resource persons. The discussions ranged from technical queries about robotics technology to inquiries about career opportunities in the field.

## Participant Feedback:

- The webinar received positive feedback from participants, who appreciated the depth of knowledge shared by the resource persons.
- Many participants found the session informative and relevant to their academic and professional interests.
- Some participants suggested organizing more webinars on advanced topics in robotics and related fields.

## Conclusion:

The webinar on Advanced Robotics and its Applications was a successful event, providing valuable insights into the latest developments in robotics technology. The presentations by Dr. Jaya Christiyen KG and Dr. Sunith Babu L were informative and engaging, fostering learning and discussion among participants. The Department of Mechanical Engineering at Vimal Jyothi Engineering College is committed to organizing more such events to promote knowledge sharing and skill development in emerging technologies.

**Certificate Sample:**



**Webinar on Advanced Robotics and its Applications- Entrepreneurship.**  
**Vimal Jyothi Engineering College**

**Date: June 3, 2020**

**Venue: Vimal Jyothi Engineering College (VJEC)**

Webinar on Industrial Relevance of Mechanical Engineering



VIMAL JYOTHI ENGINEERING COLLEGE,  
CHEMPERI, KANNUR

Department of Mechanical Engineering



A WEBINAR ON

INDUSTRIAL RELEVANCE OF MECHANICAL  
ENGINEERING

Date: 03 June 2020

Time: 04:00 – 05.00 PM

Platform: Google Meet

Targeted Audience: S2 ME (2019 – 2023 Batch)

Resource Person:



**Mr. Christin T Joseph**  
Professional Machine Designer  
Chief Technical Director  
BlackBear Automations Pvt. Ltd.

Convener:

Cdr. (Rtd.) Raju K K (HoD, ME)

Coordinators:

Prof. Appu Kurian (Asst. Prof. ME)

Prof. Shaji George (Asst. Prof. ME)

Dr. Sreekanth M.P. (Asst. Prof. ME)

## **Overview:**

The webinar on the "Industrial Relevance of Mechanical Engineering" was conducted by the Department of Mechanical Engineering at Vimal Jyothi Engineering College. The session aimed to provide insights into the practical applications of mechanical engineering in various industries and its significance in the industrial landscape.

## **Key Highlights:**

**Introduction to Mechanical Engineering:** Mr. Christin T Joseph commenced the webinar with an introduction to mechanical engineering, highlighting its role in designing, manufacturing, and maintaining mechanical systems.

**Industrial Applications:** The resource person discussed the diverse applications of mechanical engineering across industries such as automotive, aerospace, energy, and manufacturing. Examples of real-world projects and innovations were shared to illustrate the breadth of opportunities in the field.

**Emerging Technologies:** The webinar covered emerging technologies such as additive manufacturing, robotics, and artificial intelligence, emphasizing their impact on modern industrial practices. Participants gained insights into how these technologies are shaping the future of mechanical engineering.

**Case Studies:** Mr. Christin T Joseph presented case studies showcasing successful implementation of mechanical engineering principles to solve complex industrial challenges. These case studies provided practical insights into problem-solving methodologies and project management in industrial settings.

**Interactive Q&A Session:** The webinar concluded with an interactive Q&A session where participants had the opportunity to seek clarification on various topics discussed during the presentation. Mr. Christin T Joseph addressed queries raised by the audience, fostering a dynamic exchange of ideas and knowledge sharing.

## **Conclusion:**

The webinar on the "Industrial Relevance of Mechanical Engineering" provided a comprehensive overview of the field's significance in today's industrial landscape. Participants gained valuable insights into the diverse applications, emerging technologies, and real-world challenges faced by mechanical engineers. The session facilitated an enriching learning experience and underscored the importance of continuous skill development to thrive in the rapidly evolving field of mechanical engineering.

Overall, the webinar was well-received by the participants, contributing to their understanding of the industrial relevance of mechanical engineering and inspiring them to explore career opportunities in the field.

## Certificate Sample:

