

**Five days Online ATAL Sponsored FDP on “Virtual and Augmented Reality for
Robotics”- Research**

Vimal Jyothi Engineering College

Date: 12th to 16th July 2021

Venue: Vimal Jyothi Engineering College (VJEC)

5 days Online ATAL Sponsored FDP on “Virtual and Augmented Reality for Robotics”



**Five days ATAL Sponsored FDP on
Virtual and Augmented Reality for Robotics**
From 12th to 16th July, 2021
VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI, KANNUR-670632



Eminent Speakers

					
Dr. M. Manivannan, Professor, IIT Madras	Dr. Debi Prosad Dogra, IIT, Bhubaneswar	Dr. Samit Bhattacharya, IIT Guwahati	Dr. Debanik Roy Scientist, Bhabha Atomic Research Centre	Dr. Asokan Thondiyath, Professor, IIT Madras	Dr. Pradipta Biswas, IISc Bangalore
					
Dr. Anmol Srivastava, UPES Dehradun	Dr. Amit Kamra, GNDEC Ludhiana	Dr. Keyur Babul Sorathia, IIT Guwahati	Mr. Naveen Rastogi, Engineer 'SD' Institute for Plasma Research, DAE	Er. Shashi Kumar, Core El Technologies	Dr. Sridharan, Associate Professor, Vimal Jyothi Engineering College
					
Dr. Hareesha K.S., MAHE-MIT	Mr. Anumukonda Ramesh, Founder A Plus Associates	Mr. Vijay Karunakaran, Founder & CEO, TNQ InGage Technologies	Dr. Brojeshwar Bhowmick, Scientist, TCS Research	Dr. Fr. Seban Cheripurath, Santhitheeram-Center for Counselling & Psychotherapy	Dr. G. Glan Devadhas, Coordinator, ATAL FDP, Vimal Jyothi Engineering College

 12-07-2021 Five days Faculty Development Program on Virtual and Augmented Reality for Robotics

Five days ATAL Sponsored FDP on Virtual and Augmented Reality for Robotics, from 12th to 16th July 2021, organised by Department of Electronics and Instrumentation, Vimal Jyothi Engineering College, Kannur, Kerala.

Introduction:

The Department of Applied Electronics and Instrumentation organized a Five Days Online Faculty Development Program (FDP) on "Virtual and Augmented Reality for Robotics." The event was sponsored by ATAL (AICTE Training and Learning) and aimed to provide a platform for educators and researchers to delve into the latest advancements in virtual and augmented reality in the context of robotics.

Objectives:

The primary objectives of the FDP were:

- To explore the integration of virtual and augmented reality in robotics research.
- To understand the practical applications of virtual and augmented reality in the field of robotics.
- To enhance the knowledge and skills of the participants in utilizing immersive technologies for research and development.

Sessions and Topics Covered:

The FDP comprised a series of sessions conducted over five days, covering a wide range of topics related to virtual and augmented reality for robotics. Some of the key sessions included:

- Introduction to Virtual and Augmented Reality
- Fundamentals of Robotics and its Integration with VR/AR
- Simulation and Training in Virtual Environments
- Augmented Reality Applications in Industrial Robotics
- Virtual Reality for Teleoperation and Remote Robotics
- Hands-on Workshops on VR/AR Development Tools

Participant Interaction:

The FDP encouraged active participation from attendees, fostering a dynamic learning environment. Participants had the opportunity to engage in discussions, ask questions, and collaborate with fellow educators and researchers from different institutions.

Outcomes:

The FDP proved to be a valuable platform for participants to gain in-depth knowledge of virtual and augmented reality applications in robotics. The hands-on workshops provided practical experience, enabling the participants to explore and develop their projects.

Conclusion:

The Five Days Online ATAL Sponsored FDP on "Virtual and Augmented Reality for Robotics" was a resounding success, thanks to the dedication of the organizers, the expertise of the resource persons, and the active participation of the attendees. The knowledge gained during the program is expected to contribute significantly to the advancement of research and development in the field of robotics, particularly in the integration of immersive technologies.

Acknowledgments:

The Department of Applied Electronics and Instrumentation expresses gratitude to ATAL for sponsoring the FDP and to Dr. Glan Devadas for coordinating the event successfully. Special thanks to all the resource persons and participants for their enthusiastic involvement, making the FDP a memorable and enriching experience.

This report encapsulates the essence of the Five Days Online ATAL Sponsored FDP, highlighting its significance in advancing research and knowledge in the realm of virtual and augmented reality for robotics.

Certificate Sample:



Five Days Atal Sponsored FDP On Virtual And Augmented Reality For Robotics At Vimal Jyothi Engineering College, Chemperi,

Kannur-670632

12th to 16th July 2021

Inaugural Session

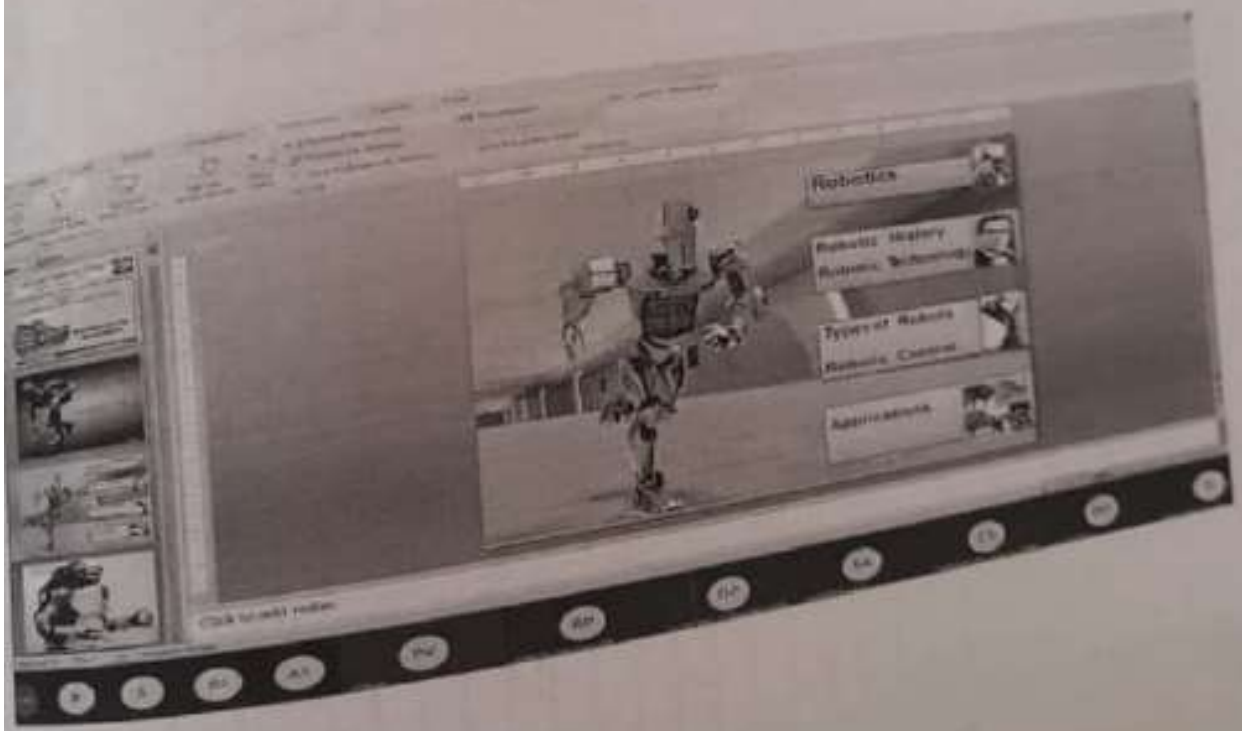


From Left to right

- 1.Principal Dr.Benny Joseph Delivered the presidential Address
- 2.Dr.G.Glan Devadhas Welcomed the gathering and briefed the programme
- 3.Chairman of the college Dr.Joseph Pamblany Inaugurated the event
- 4.Dr.Manivannan, Professor, Touch Lab IIT Madras - Delivered the inaugural session



Fig 2: Dr. Anmol Srivatsava, UPES delivered the second session



Dr. P. Sridharan demonstrated about the Robotics



Dr. Fr. Seban Cheripurath, Santhitheeram-Center for Counselling & Psychotherapy handled the stress Management Session



Dr. Debi Prasad Dogra handled the session on AR Applications for education and Entertainment



Dr. Amit Kamra handled the session on Google Card Board

Online Training on “Mendeley Desktop” - Entrepreneurship
Vimal Jyothi Engineering College

Date: September 10th, 2021

Venue: Vimal Jyothi Engineering College (VJEC)

Online Training on “Mendeley Desktop”



**VIMAL JYOTHI
ENGINEERING COLLEGE**
JYOTHI NAGAR, CHEMPERI – 670632, KANNUR D.T, KERALA
An ISO 9001: 2008 Certified Institution



**DEPARTMENT OF MECHANICAL ENGINEERING
ORGANIZING**

Online Training on, Mendeley Desktop



10-09-2021 (Friday)

Time: 10.00 AM to 12.00 PM, for S7 ME

Google Meet joining link:

<https://meet.google.com/ntw-gbmh-xwt>

- The session will teach the students about the uses of Mendeley software for organizing and reviewing various research papers for proper citation and referencing.
- The familiarity with this software will aid the students to do a systematic way of conducting research work such as writing citations and references and understand how to organize research papers, make notes on them, and store and use them effectively for preparing the final year project report.
- This software knowledge will give them an advantage in their future studies and research as well.

Resource Person:
Dr. Sivaprasad P V
Assistant Professor,
Mechanical Engineering

Convenor:
Cdr. Raju. K. Kuriakose (Retd.),
Head of the Department,
Mechanical Engineering

Introduction:

On 10th September 2021, the Mechanical Engineering Department conducted an online training session on "Mendeley Desktop" with a focus on its applications in Entrepreneurship. The training aimed to equip participants with essential skills in reference management, a crucial aspect of research and entrepreneurship.

Training Objectives:

Mendeley Desktop Basics:

- Understanding the interface and functionalities of Mendeley Desktop.
- Creating and managing bibliographic references.

Collaborative Research:

- Exploring Mendeley's collaborative features for team-based research projects.

Participants:

The training session witnessed active participation from members of the Mechanical Engineering Department, including faculty members, research scholars, and postgraduate students. The diverse background of the participants added value to the discussions and practical exercises.

Training Methodology:

The online training was conducted via a virtual platform, allowing participants to join from different locations. The sessions were interactive, incorporating presentations, live demonstrations, and hands-on exercises to ensure a comprehensive understanding of Mendeley Desktop's functionalities.

Key Highlights:

In-Depth Demonstration:

- Dr. Raju K Kuriakose provided a comprehensive overview of Mendeley Desktop, highlighting key features such as document organization, annotation, and citation management.

Practical Exercises:

- Participants engaged in practical exercises, creating and managing their reference libraries. This hands-on approach facilitated immediate application and skill development.

Entrepreneurship Focus:

- Special emphasis was given to the role of Mendeley Desktop in the entrepreneurial journey, from ideation to market analysis. Participants explored ways to integrate Mendeley into business and startup documentation.

Q&A Session:

- An interactive Q&A session allowed participants to seek clarification on specific features and applications relevant to their research and entrepreneurial projects.

Feedback and Future Initiatives:

Participants expressed satisfaction with the training content and found the practical exercises particularly beneficial. Suggestions for future sessions included more in-depth discussions on advanced features and tailored sessions for specific research domains.

Conclusion:

The online training on "Mendeley Desktop" with a focus on Entrepreneurship, organized by the Mechanical Engineering Department, was a successful endeavor. It equipped participants with practical skills essential for efficient reference management in both research and entrepreneurial contexts. The department looks forward to organizing more such sessions to enhance the research capabilities of its members.

Certificate Sample:





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EVENT PROPOSAL FORM

1	Event type and Name	Mendeley Desktop Online Training
2	Date and time	10-09-2021 (Friday) Time 10.00 AM to 12.00 PM
3	Participants/audience	S7 ME students (2018-22)
4	Venue	Online Platform
5	Objectives	To acquire knowledge in writing citations and references and understand how to organize research papers, make notes on them, and store and use them effectively for preparing the final year project report.
6	Expected outcomes	With the essential knowledge in the Mendeley Desktop, the students can quickly handle their project's literature reviews, paper citations, and references in their project report.
7	Connected POs/PSO's/ PEO's	PO 2, PO 5, PO 10, PSO 2, PEO 4
8	Justification for POs/PSO's/PEO's	The session will teach the students about the uses of Mendeley software for organizing and reviewing various research papers for proper citation and referencing. The familiarity with this software will aid the students to do a systematic way of conducting research work. It will assist them in preparing final project reports with the least amount of effort. This software knowledge will give them an advantage in their future studies and research as well.
9	Resource requirements	Online Platform Google Meet
10	Any other Relevant Information	Nil
11	Responsible Persons	Coordinator : Dr. Sivaprasad P V (AP, ME)
12	Department	Mechanical Engineering

Proposal prepared by

Dr. Sivaprasad P V (AP, ME)

Recommended by

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

MEJO M FRANCIS
Asst. Prof.
D.
M.
2021
2021

Cdr (retd) RAJU K.K.
Asst. Professor
Department of Mechanical Engineering
Vimal Jyothi Engineering College
Channarayana, Kannur, Kerala- 670532

VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI**DEPARTMENT OF MECHANICAL ENGINEERING****ATTENDANCE REPORT FOR THE WEBINAR ON - "Mendeley Desktop" CONDUCTED ON
10/09/2021, Friday 10.00 am - 12.00 pm**

SL. NO.	STUDENT NAME	CLASS
1	Abhiram Krishnan	S7ME-B
2	Abhishek Aravind	S7ME-B
3	Adwalth T	S7ME-B
4	Aju Thomas	S7ME-A
5	Akhil K S	S7ME-B
6	Albin Joy	S7ME-B
7	Alvin Sebastian	S7ME-A
8	Anandu Sujith	S7ME-A
9	Anurag T K	S7ME-A
10	Arjun Babu	S7ME-A
11	Arjun T	S7ME-A
12	Aswin K P	S7ME-A
13	Aswin P P	S7ME-B
14	Bavaneeth K	S7ME-A
15	Dhyan S Nambiar	S7ME-A
16	Diljith P	S7ME-B
17	Hari Shankar	S7ME-A
18	Jilin Janardhanan	S7ME-B
19	Muhammad Ameen	S7ME-A
20	Narayana Prasad V E	S7ME-A
21	Nived P	S7ME-B
22	Sarang Manoj	S7ME-B
23	Shahin Gafoor	S7ME-B
24	Shyamlal M	S7ME-B
25	Sourabh Pramod	S7ME-A
26	Sreeprasad P C	S7ME-A
27	Sreeroop S	S7ME-B
28	Sripin Pradeep	S7ME-A
29	Thomaskutty Mathew	S7ME-B
30	Vishal P	S7ME-A
31	Yakul Sidharth	S7ME-B

	FACULTY NAME	DESIGNATION
32	Cdr. Raju. K. Kuriakose (Retd.)	HoD, Mechanical Dept.
33	Mr. Gokulnath. R	Assistant Professor, ME
34	Mr. Aji Augustine	Assistant Professor, ME
35	Mr. Shaji George	Assistant Professor, ME
36	Mr. Mejo. M. Francis	Assistant Professor, ME



REC 5 Sivaprasad P V ME is presenting

Wiley Online Library

A comparative assessment in sequential μ -drilling of Hastelloy-X using laser in combination with μ -EDM and μ -ECM

P.V. Sivaprasad¹, R. Parasuramohan², A. Rajendran³

¹Workshop & Tool Design Department, VIT-VEP, Vellore, India
²The Institute of Technology, Palakkad, India
³The Institute of Technology, Palakkad, India

Abstract
Hastelloy-X is a nickel-based superalloy predominantly used in engine combustion chamber parts of gas turbines. Micro-hole drilling is the method of choice for gas turbine parts to improve performance by reducing thermal fatigue. Laser, electro-chemical discharge machining (EDM), and electro-chemical discharge machining (ECM) are the major processes for micro-hole drilling. However, if used individually, these processes could not give satisfactory holes. The sequential application of multiple drilling methods for hole making is called as sequential drilling. In this work, micro-holes were drilled on Hastelloy-X by using a laser in sequence with μ -EDM and laser in sequence with μ -ECM. Holes produced by these two hybrid approaches are later compared for productivity and quality features. Work done and production rate for each hole, temperature, and speed were considered for each sequence hole. Very interesting facts are noted in this study. The results clearly indicate that the hybrid approaches are more suitable for such operations. A detailed comparative study has been done to compare the surface integrity of the holes. It has been found that micro-holes formed by sequential laser processing with μ -EDM appear

10:21 AM ntw-gbmh-xwt

REC 5 Sivaprasad P V ME is presenting

Wiley Online Library

Accelerating research discovery to shape a better future
Today's research, tomorrow's innovation

Access COVID-19 research here

People

- Add people
- Shahin Gafoor
- Sivaprasad P V ME Meeting host
- Sivaprasad P V ME Presentation
- sourabh pramod
- Sreeprasad pc
- THOMASKUTTY MATHEW
- Yakul Sidharth

21 others

10:27 AM ntw-gbmh-xwt

Webinar on “Data Science and Machine Learning – Opportunities” - Entrepreneurship
Vimal Jyothi Engineering College

Date: *September 11th, 2021*

Venue: Vimal Jyothi Engineering College (VJEC)

Webinar on “Data Science and Machine Learning – Opportunities”



Data Science and Machine Learning- Opportunities

FREE WEBINAR

In Association With
IEEE SB VJEC

Sep 11th | 7:30 pm

REGISTER NOW



E ▶ ENTRI

Introduction:

The IEEE Student Branch at VJEC organized a compelling webinar on "Data Science and Machine Learning – Opportunities in Entrepreneurship" on September 11th, 2021, at 7:30 PM. The event was held in an online mode, attracting participants from various academic backgrounds eager to explore the entrepreneurial landscape in the realm of data science and machine learning.

II. Opening Session:

The event commenced with an opening session by [Speaker Name], providing an overview of the significance of data science and machine learning in the entrepreneurial world. The speaker highlighted the transformative impact of these technologies on business strategies and the evolving landscape of innovation.

III. Keynote Address:

The keynote address was delivered by [Keynote Speaker], a seasoned professional in the field. The speaker shared insights into the current trends and opportunities in data science and machine learning entrepreneurship. Emphasis was placed on the potential for innovation, challenges faced, and success stories within the industry.

IV. Technical Sessions:

The webinar featured technical sessions by expert practitioners in data science and machine learning. Topics covered included:

Applications of Data Science in Entrepreneurship: [Speaker Name] discussed real-world applications of data science in optimizing business operations, improving decision-making processes, and enhancing customer experiences.

Building Machine Learning Models for Startups: [Speaker Name] provided valuable insights into the practical aspects of implementing machine learning models in startup environments, addressing challenges and potential solutions.

V. Panel Discussion:

A dynamic panel discussion brought together industry experts, academicians, and entrepreneurs to discuss the opportunities and challenges in the intersection of data science, machine learning, and entrepreneurship. The panelists engaged in a thought-provoking conversation, sharing diverse perspectives and experiences.

VI. Q&A Session:

Participants actively engaged with the speakers and panellists through an interactive Q&A session. Queries ranged from technical aspects of machine learning algorithms to inquiries about the entrepreneurial journey in the data science domain.

VII. Closing Remarks:

The webinar concluded with closing remarks by [Organizer Name], expressing gratitude to the speakers, panellists, and participants for their active participation. Information abo

VIII. Conclusion:

The webinar on "Data Science and Machine Learning – Opportunities in Entrepreneurship" proved to be a valuable platform for knowledge exchange and networking. Participants gained insights into the practical applications of data science and machine learning in the entrepreneurial landscape, inspiring them to explore new horizons in their professional journey.

Certificate Sample:



Online Informative talk on "World energy scenario and the need of energy conservation"



An Informative talk on

World Energy Scenario and the Need of Energy Conservation



Dr. Nirmal Mukundan C.M.
Post Doctoral Fellow,
Khalifa University Abhu Dhabi.



Dr. Murali Krishna
Post Doctoral Fellow,
Khalifa University Abhu Dhabi

 December 14th, 2021

 7 PM

 Google Meet





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JYOTHI NAGAR, CHENIPERI – 670632, KANNUR D.T. KERALA
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EVENT PROPOSAL FORM

1	Event type and Name	Webinar on " Data Science and Machine learning opportunities"
2	Date and time	11th September 2021
3	Participants/audience	EEE Students
4	Venue	Online mode
5	Objectives	1. To learn about Data Science and machine learning opportunities
6	Expected outcomes	1.Data Science and machine learning offer tremendous opportunities for professionals to leverage the power of data and extract valuable insights to drive informed decision-making across various industries. 2. The growing demand for skilled data scientists and machine learning experts presents exciting career prospects and the potential to make significant advancements in fields such as healthcare, finance, marketing, and beyond.
7	Connected POs/PSOs	PO1, PO6, PO12,PO2
8	Resource requirements	NIL
9	Any other Relevant Information	NIL
10	Responsible Person	Mr Prabin James , Assistant Professor , Department of EEE, VJEC
11	Department	Department of Electrical & Electronics Engineering, VJEC.

Proposal prepared by

Ms. Prabin James
Assistant professor
Department of EEE, VJEC

Recommended by

Ms. LALY JAMES
HOD EEE
Department of EEE, VJEC


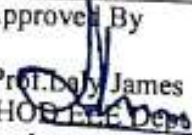
LALY JAMES
HOD EEE, VJEC

Data science and machine learning

Email address	Name	Department	Year of study	Rate the session	Rate the speaker	Rate your attained knowledge on the topic	Rate overall Experience
amrithnambiar9@gmail.com	AMRITH RAJ M	EEE	2	5	5	5	5
aleenashibu63@gmail.com	Aleena K Shibu	EEE	2	3	2	4	4
varadaani10@gmail.com	Varada Anil	Eee	2	4	4	3	4
relvinroshan28@gmail.com	RELVIN ROSHA	EEE	2	5	5	5	5
sebinkelakam@gmail.com	Sebin ms	Eee	2	5	5	5	5
antonyunny007@gmail.com	Antony Thomas	EEE	2	4	4	3	4
arjunlalp2@gmail.com	ARJUN LAL	EEE	2	4	4	3	4
ivindenny2001@gmail.com	Ivin Denny	EEE	2	1	1	1	1
alenjose1221@gmail.com	Alen Jose Benny	Electrical	2	4	4	3	2
ebinjkaivilpura@gmail.com	Ebin John	EEE	2	5	4	4	4
denobaby69@gmail.com	Deno Baby	EEE	2	5	4	1	4
vaishnav47e@gmail.com	Vaishnav E	EEE	2	5	5	5	5
amalrajkaril02@gmail.com	AMAL RAJ.K	EEE	2	4	4	4	4
abhishekcherko@gmail.com	ABHISHEK K	EEE	2	4	4	4	4
albinjamesalbinj@gmail.com	Albin James	Electrical and ek	2	3	3	3	3
rahanaharidas22@gmail.com	Rahana Haridas	EEE	2	5	5	5	5
sreekutty280120@gmail.com	Sreelakshmi Raj	EEE	2	5	5	5	5
abishekvinod20@gmail.com	Abishek Vinod M	EEE	2	3	3	3	3
anfazz@gmail.com	Anfas p	EEE	2	4	4	4	4
vyshnavmkchuzi@gmail.com	Vyshnav m.k	EEE	2	3	3	1	2
aiswaryac1820@gmail.com	Aiswarya C	EEE	2	4	4	3	4
tharidasan22@gmail.com	Aswathy c	Cs	2	5	5	5	5
aswinaashi10@gmail.com	ASWIN RAJ	EEE	2	4	4	4	4
aleenakshibu@gmail.com	Aleena sanjay	Cs	2	5	5	5	5
nairjithin718@gmail.com	Jithin Nair M	EEE	2	4	4	4	4
partheevkrishna@gmail.com	Partheev Krishna	EEE	2	4	4	4	4
vinaykk059@gmail.com	VINAY KK	Electrical and ek	2	5	5	5	5



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

1	Event type and name	free webinar on Data Science and Machine Learning- Opportunities	
2	Date and time	11-09-2021	
3	Participants/ audience	IEEE Members of VJEC	
4	Venue	Online mode	
5	Outcomes of the event	1. Skill development strategies 2. Networking and connections 3. Enhanced career planning	
7	List of feedback from the participants	Attached	
8	Connected POs/COs	PO - 01,12	
9	Any other relevant information	nil	
10	Responsible persons	Report Prepared by Mr.PRABIN JAMES IEEE SB Counselor VJEC 	Approved By  Prof.Lalay James HOD IEEE Dept LALAY JAMES HOD EEE, VJEC



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ENGINEERING COLLEGE
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Under the Architectural of Thalassery

Event proposal form

1	Event type and name	<ul style="list-style-type: none">World Energy Conservation Day EventAn informative talk on "World Energy Scenario and the Need of Energy Conservation" by Dr. Nirmal Mukundan C.M., Post Doctoral Fellow, Khalifa University Abhu Dhabi.
2	Date and time	14 th December 2021, 7:00PM
3	Participants/ audience	B.Tech, M.Tech Students
4	Venue	Online Platform
5	Objectives	To provide best guidance from experts to get an awareness about world energy scenario and the need of energy conservation.
6	Expected outcomes	The students will be able to identify the need of energy conservation and the global energy scenario.
7	Connected PEOs/POs/COs	PO6, PO7, PO12
8	Resource requirements	Device with internet connectivity
9	Any other relevant information	This event is jointly organized by IEEE PELS SBC and Institute Innovation Cell, VJEC
10	Responsible persons	Ms. Teena George, Assistant Professor, EEE
		<p>Proposal prepared by Ms. Teena George, AP.EEE</p> <p>Recommended by Ms. Laly James, HOD-EEE</p>

Handwritten signature and date: 14/12/2021

IEEE ACTIVITY REPORT Year:2021

Date : 14TH DECEMBER 2021

Title : 'World Energy Scenario and the Need of Energy Conservation'

Description: As part of World Energy Conservation day IEEE PELS SBC VJEC organized a informative talk on the topic “World Energy Scenario and the Need of Energy Conservation”. The program conducted on 14th December 2021, 7.00 PM through Google meet. The informative talk was presented Dr.Nirmal Mukundan C M, (Post Doctoral fellow, khalifa university Abhu Dabhi and Dr. Murali Krishna,n(Post Doctoral fellow, Khalifa university Abhu Dabhi) lasted for 1 hour. The participants attained knowledge about World Energy Scenario and the Need of Energy Conservation. There were about 50 participants in the program. The coordinators organized the events smoothly and was well cooperated by the participants.

PHOTO GALLERY:




World energy scenario and the need of energy conservation

Email address	Name	Department	Year of study	Rate the session	Rate the speaker
amrithnambiar90	AMRITH RAJ	EEE	2	5	5
aleenashibuk63	Aleena K Shibu	EEE	2	3	2
varadaanil10@g	Varada Anil	Eee	2	4	4
relvinroshan28@	RELVIN ROSHA	EEE	2	5	5
sebinkelakam@	Sebin ms	Eee	2	5	5
antonyunny007@	Antony Thomas	EEE	2	4	4
arjunlalpk2@gm	ARJUN LAL	EEE	2	4	4
ivindenny2001@	Ivin Denny	EEE	2	1	1
alenjose1221@	Alen Jose Benny	Electrical	2	4	4
ebinjkavilpura@	Ebin John	EEE	2	5	4
denobaby69@g	Deno Baby	EEE	2	5	4
vaishnav47e@g	Vaishnav E	EEE	2	5	5
amalrajariyil02	AMAL RAJ.K	EEE	2	4	4
abhishekcheriko	ABHISHEK K	EEE	2	4	4
albinjamesablinj	Albin James	Electrical and ek	2	3	3
rahanaharidas22	Rahana Haridas	EEE	2	5	5
sreekutty280120	Sreelakshmi Raj	EEE	2	5	5
abishekvinod200	Abishek Vinod M	EEE	2	3	3
anfazz@gmail	Anfas p	EEE	2	4	4
vyshnavmkchuz	Vyshnav m.k	EEE	2	3	3
aiswaryac1820@	Aiswarya C	EEE	2	4	4
tharidasan22@g	Aswathy c	Cs	2	5	5
aswinaashi10@	ASWIN RAJ	EEE	2	4	4
aleenakshibu@	Aleena sanjay	Cs	2	5	5
nairjithin718@g	Jithin Nair M	EEE	2	4	4
partheevkrishna	Partheev Krishna	EEE	2	4	4
vinaykk059@gm	VINAY KK	Electrical and ek	2	5	5
vaishnavc2704@	Adarsh	CS	2	5	5
jithinkfourteen@	Joel sunny	me	2	5	5
pranavkc3232@	Pranav KC	EEE	2	4	4
ashisharun298@	ASHISH ARUN	EEE	2	4	4
yadunand.sajith	YADUNAND SA	EEE	2	1	1
sijubijoy2311@g	SIJU BIJOY	EEE	2	4	4
sharonmanas89	SHARON MANA	EEE	2	5	5
theerthan00@g	Theertha N	EEE	2	2	2
Aswanthmohan3	P Aswanth Moha	EEE	2	4	4
nandanavp04@	Nandana V P	EEE	2	3	3
alenjohns777@	Alen johns	me	2	5	5
arjun6969v@gm	Arjun.v	EEE	2	2	2
abhilashjoseph.5	Abhilash Joseph	EEE	3	4	4
ariyilgokulpramo	Gokul Ariyil	EEE	3	4	4
amrithap801@g	Amritha P	eee	3	4	4
ujwel777@gmail	Ujwel C	EEE	2	5	5
vineethbinoy123	Vineeth Binoy	EEE	1	4	4
ashwanthshaji@	Akarsh kc	ECE	1	5	5
abhirajv915@g	Abhiraj V	Electrical and ek	1	5	5
shinitks7@gmail	Shinit ks	CS	3	5	5
sijubijoy2311@g	SIJU BIJOY	EEE	1	4	4
abhijithrthykkanc	Abhijith rajeevan	Eee	1	1	1
abhinavmelalath	ABHINAV S	EEE	1	5	5



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

1	Event type and name	Informative talk on " World Energy scenario and the need of energy conservation"
2	Date and time	14th December 2021 7:00PM to 9:00PM
3	Participants/ audience	College Level
4	Venue	Online mode
5	Outcomes of the event	1. Knowledge Dissemination 2. Collaboration and Engagement 3. Empowerment and Inspiration
6	List of feedback from the participants	Attached
7	Connected POs/COs	PO5,PO6,PSO2
8	Any other relevant information	resource person: Dr.Nirmal Mukundan , Dr.Murali Krishna ,KhalifaUniversity Abu Dhabi
9	Responsible persons	Report prepared by Mr. Prabin James , Branch counselor SB VJEC  Approved by Laly James HOD EEE Dept LALY JAMES HOD EEE, VJEC

CERTIFICATE OF APPRECIATION

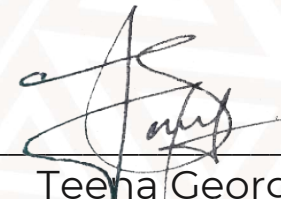
This certificate is proudly presented to

Indu T

For the successful participation of **World energy scenario and the need of energy conservation- Research** organized by **EEE Department** during **14, December 2021**



Dr. Benny Joseph
Principal, VJEC, Chempери



Teena George
Assistant Professor

Webinar on “Future of Artificial Intelligence and Machine Learning”- Entrepreneurship
Vimal Jyothi Engineering College

Date: *August 08, 2021*

Venue: Vimal Jyothi Engineering College (VJEC)

Webinar on “Future of Artificial Intelligence and Machine Learning”



Vimal Jyothi Engineering College

Chemperi - Kannur

NAAC & NBA Accredited

Department of CSE

Presents

Webinar on

FUTURE OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Free
Registration

WEBINAR FOR
ENGINEERING
ASPIRANTS
AND PARENTS

08
August
2021
2 PM

on
Google
Meet



Resource Persons:

Dr. Ajeesh Ramanujan

Asst. Professor, CSE, CET Trivandrum

Dr. Jeethu V Devasia

Professor & HOD, CSE, VJEC

Dr. Manoj V Thomas

Professor, CSE, VJEC

For Queries Contact:

Faculty Co-ordinators

Prof. Ansil Nazar :- 9400298235

(Asst. Prof, CSE, VJEC)

Dr. Manoj V Thomas :- 9495951408

(Prof, CSE,VJEC)

Registration
ends on
August 5

For Registration Visit our Website :
www.vjec.ac.in

Govt.
Allotment
Code
VML

Introduction:

The Department of Computer Science Engineering organized a thought-provoking webinar on the "Future of Artificial Intelligence and Machine Learning - Entrepreneurship" on August 8, 2021, in an online mode. The event aimed to explore the intersection of artificial intelligence (AI) and machine learning (ML) with entrepreneurship, shedding light on the evolving landscape and future prospects.

Agenda:

Opening Remarks:

- The event commenced with a warm welcome and introductory remarks from the organizers, setting the stage for the insightful discussions that followed.

Keynote Address:

- A distinguished expert in the field delivered the keynote address, providing an overview of the current state of AI and ML, their applications in various industries, and the potential impact on entrepreneurship.

Panel Discussion:

- A panel of experts comprising seasoned entrepreneurs, industry leaders, and academics engaged in a vibrant discussion. Topics included the role of AI and ML in shaping the future of startups, challenges and opportunities, and strategies for integrating these technologies into entrepreneurial ventures.

Case Studies:

- Notable case studies were presented, showcasing successful implementations of AI and ML in entrepreneurship. These real-world examples offered valuable insights into the practical applications and benefits of these technologies.

Key Takeaways:

AI and ML as Enablers: The discussions highlighted how AI and ML serve as enablers for innovative entrepreneurship, providing tools and insights that can drive business success.

Challenges and Opportunities: The panelists addressed the challenges associated with integrating AI and ML in startups while emphasizing the myriad opportunities these technologies present for those willing to embrace them.

Practical Insights: Case studies provided practical insights into the application of AI and ML, showcasing how these technologies have been leveraged to create scalable and successful ventures.

Collaboration and Networking: The webinar emphasized the importance of collaboration and networking within the AI and ML ecosystem, fostering a community that can collectively contribute to the future of entrepreneurship.

Conclusion:

The "Future of Artificial Intelligence and Machine Learning - Entrepreneurship" webinar was a resounding success, offering a comprehensive exploration of the opportunities and challenges at the intersection of AI, ML, and entrepreneurship. The event provided a platform for knowledge sharing, networking, and inspiration, leaving participants better equipped to navigate the evolving landscape of technology-driven entrepreneurship.

Certificate Sample:



Online Workshop on “Inception to RDBMS Applications”- Entrepreneurship

Vimal Jyothi Engineering College

Date: *August 17th, 2021*

Venue: Vimal Jyothi Engineering College (VJEC)

Online Workshop on “Inception to RDBMS Applications”

**VIMAL JYOTHI
ENGINEERING COLLEGE**



**DEPARTMENT OF
COMPUTER SCIENCE & ENGG**
**Workshop
on**

**Inception to RDBMS
Applications**

August 17 2021 7.00 PM - 9.00 PM

Resource Person

Mr. Aromal Joseph K M
System Engineer, TCS
Alumni (B.Tech, CSE 2019-21 batch)



Microsoft Teams
Link

[Click here to Join](#)



Faculty Coordinators
Dr. Jeethu V Devasia
Ms. Tintu Devasia

Recommended by
Dr. Jeethu V Devasia
HOD, Dept of CSE

Introduction:

The Computer Science Engineering Department successfully organized an online workshop titled "Inception to RDBMS Applications - Entrepreneurship" on August 17th, 2021, at 7:00 PM. The event aimed to provide participants with insights into the inception and development of Relational Database Management System (RDBMS) applications, with a special focus on entrepreneurship in the digital era.

Key Highlights:

Inauguration:

The workshop commenced with an inaugural session, where the head of the Computer Science Engineering Department welcomed participants, emphasizing the importance of RDBMS applications in contemporary business scenarios. The chief guest for the event shared valuable thoughts on entrepreneurship and the role of RDBMS in fostering innovation.

Sessions and Speakers:

Distinguished speakers from academia and industry led informative sessions throughout the workshop. Topics covered included the evolution of RDBMS, application development strategies, and case studies of successful RDBMS-based entrepreneurial ventures. Participants gained practical insights into the implementation of RDBMS in various business domains.

Hands-on Experience:

To enhance the learning experience, practical demonstrations and hands-on exercises were conducted. Participants had the opportunity to engage with RDBMS tools and platforms, allowing them to apply theoretical knowledge in a practical context. This interactive approach fostered a deeper understanding of the workshop content.

Participant Feedback:

Feedback from participants was overwhelmingly positive, with many expressing gratitude for the opportunity to delve into the world of RDBMS applications and entrepreneurship. The hands-on activities and practical insights were particularly well-received, indicating the success of the workshop in meeting its objectives.

Conclusion:

The "Inception to RDBMS Applications - Entrepreneurship" workshop organized by the Computer Science Engineering Department was a resounding success. By providing a comprehensive

understanding of RDBMS applications and their entrepreneurial implications, the event contributed significantly to the participants' knowledge and skill set in the rapidly evolving digital landscape.

This workshop not only empowered participants with practical skills but also fostered a sense of community and collaboration within the field of computer science and entrepreneurship. The department looks forward to organizing more such events to continue nurturing the academic and professional growth of its students and participants.

Certificate Sample:



Online Workshop on " Problem Analysis of Cache Memory" - Entrepreneurship

Vimal Jyothi Engineering College

Date: *September 5th, 2021*

Venue: Vimal Jyothi Engineering College (VJEC)

Online Workshop on " Problem Analysis of Cache Memory"

VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

WORKSHOP ON
PROBLEM ANALYSIS
OF CACHE MEMORY
AUDIENCE : S4 CSE STUDENTS

RESOURCE PERSON:
MS. ASHA BABY
ASST. PROFESSOR,
DEPT OF CSE,
VJEC, CHEMPERI

5TH SEPTEMBER 2021
3 PM TO 5 PM
VENUE: MICROSOFT TEAMS

CONVENOR
DR. JEETHU V DEVASIA
PROFESSOR & HOD, DEPT OF CSE

FACULTY CO-ORDINATORS
MR. ABDUL LATHEEF
ASSOC. PROFESSOR, DEPT OF CSE

MS. DIVYA K
ASST. PROFESSOR, DEPT OF CSE

Introduction:

The Computer Science Engineering Department organized an insightful online workshop on "Problem Analysis of Cache Memory" with a focus on entrepreneurship. The workshop aimed to delve into the challenges and issues related to cache memory and explore entrepreneurial opportunities in addressing these concerns. The event took place on September 5th, 2021, at 5:00 PM, utilizing an online platform for participants to join remotely.

Workshop Agenda:

Introduction to Cache Memory:

- Overview of cache memory and its significance in computer systems.
- Discussion on the role of cache memory in enhancing system performance.

Challenges in Cache Memory:

- Identification and analysis of common problems associated with cache memory.
- Exploration of real-world scenarios and case studies.

Entrepreneurial Opportunities:

- Introduction to entrepreneurship in the tech industry.
- Identification of potential business opportunities in solving cache memory challenges.

Guest Speaker Session:

- Notable experts and entrepreneurs shared their experiences and insights related to cache memory and entrepreneurship.

Interactive Q&A Session:

- Participants had the opportunity to engage with speakers and address queries related to cache memory and entrepreneurship.

Key Takeaways:

In-Depth Understanding:

- Participants gained a profound understanding of cache memory and its role in computer systems.

Problem Analysis:

- The workshop facilitated a comprehensive analysis of the challenges associated with cache memory, encouraging participants to think critically about potential solutions.

Entrepreneurial Mindset:

- The entrepreneurial focus of the workshop inspired participants to explore innovative solutions and consider entrepreneurial ventures in the tech industry.

Networking Opportunities:

- The event provided a platform for networking, allowing participants to connect with industry experts and fellow enthusiasts.

Conclusion:

The Online Workshop on "Problem Analysis of Cache Memory" with an entrepreneurial perspective organized by the Computer Science Engineering Department was a resounding success. It not only deepened participants' knowledge of cache memory but also sparked an entrepreneurial mindset, encouraging them to explore opportunities in addressing the identified challenges. The event exemplified the department's commitment to providing valuable insights and fostering innovation among students and professionals alike.

Certificate Sample:



Webinar on "Employability in IT Industry" - Entrepreneurship
Vimal Jyothi Engineering College

Date: *September 13th, 2021*

Venue: Vimal Jyothi Engineering College (VJEC)

Webinar on "Employability in IT Industry"



**THIS IS
WHERE
IT STARTS**



Vimal Jyothi engineering college



"Employability in IT Industry"

WEBINAR

13th September 2021 @ 4.00 pm

ORGANISED BY
DEPARTMENT OF COMPUTER SCIENCE AND
ENGINEERING



Sharath Nair
Manager - Talent
Acquisition
iDataLytics Pvt. Ltd.

www.rp2.center | Email - rp2@rp2.center
+91 98461 30409 | +91 98461 70432

Introduction:

The webinar on "Employability in IT Industry - Entrepreneurship" organized by the Computer Science Engineering Department on September 13th, 2021, served as a platform to discuss the evolving landscape of employability in the Information Technology (IT) industry with a focus on entrepreneurship. The session aimed to provide insights into the skills, knowledge, and mindset required to thrive in the IT sector, particularly for those aspiring to become entrepreneurs.

Topics Covered:

Current Trends in the IT Industry: The session commenced with an overview of the prevailing trends in the IT sector, highlighting the emergence of new technologies, market demands, and shifting paradigms in employment.

Entrepreneurial Mindset: Speakers emphasized the significance of fostering an entrepreneurial mindset, including traits such as innovation, risk-taking, adaptability, and resilience.

Skills for Entrepreneurship: Discussion revolved around the essential skills required for entrepreneurship in IT, encompassing technical proficiency, business acumen, leadership, and communication skills.

Identifying Opportunities: Participants were guided on how to identify opportunities within the IT landscape, explore niche markets, and leverage emerging technologies to create innovative solutions.

Challenges and Solutions: The webinar addressed common challenges faced by IT entrepreneurs, such as funding, competition, scalability, and regulatory hurdles, offering insights into effective strategies to overcome them.

Resource Utilization: Strategies for optimizing resources, including human capital, technology infrastructure, and strategic partnerships, were explored to enhance the efficiency and sustainability of IT ventures.

Case Studies: Real-world case studies were presented to illustrate successful entrepreneurial ventures in the IT industry, providing practical insights and inspiration to aspiring entrepreneurs.

Audience Engagement:

The webinar fostered active participation from attendees, who engaged in interactive discussions, posed questions to the speakers, and shared their experiences and perspectives on the subject matter.

Conclusion:

The webinar on "Employability in IT Industry - Entrepreneurship" provided a comprehensive understanding of the dynamics of employability in the IT sector, particularly from an entrepreneurial standpoint. By exploring key concepts, sharing industry insights, and fostering

dialogue among participants, the session empowered aspiring IT professionals to embark on entrepreneurial endeavours with confidence and foresight.

We extend our gratitude to the esteemed speakers, participants, and organizers for making this webinar a resounding success and contributing to the advancement of knowledge and innovation in the field of IT entrepreneurship.

Certificate Sample:



***Online Expert Interaction on “Extended Three D Analysis in Building Systems (ETABS)”-
Research***

Vimal Jyothi Engineering College

Date: *October 1st, 2021*

Venue: Vimal Jyothi Engineering College (VJEC)

Online Expert Interaction on “Extended Three D Analysis in Building Systems (ETABS)”



InterCAD Systems Pvt Ltd

in
Association
with

Department of civil engineering

Vimal Jyothi Engineering College

Chemperi, Kannur

ONLINE EXPERT INTERACTION FOR CIVIL ENGINEERING STUDENTS
IN

ETABS

Extended Three D Analysis in Building Systems

Faculty Coordinator
Ms. Vinaya S M



**Meeting Code:
PPR-CFRR-XOB**

**ON
01-10-2021
FRIDAY
02:30 PM**

**- THISHYAK S
Application Engineer
InterCAD Systems**

Introduction:

The Civil Engineering Department conducted an online expert interaction session focused on "Extended Three D Analysis in Building Systems (ETABS)" on the 1st of October, 2021. This session aimed to explore advanced techniques and methodologies in structural analysis within building systems using the ETABS software.

Objective:

The primary objective of the session was to delve into the extended capabilities of ETABS for comprehensive three-dimensional analysis in building structures. This included discussions on advanced modeling techniques, seismic analysis, performance-based design, and other relevant topics.

Key Topics Discussed:

Advanced Modeling Techniques: The session commenced with an overview of advanced modeling techniques available in ETABS, including shell element modeling, nonlinear material behavior, and incorporation of construction stages for accurate simulation.

Seismic Analysis: The experts elaborated on the significance of seismic analysis in structural design and how ETABS facilitates the implementation of various seismic design codes and standards. The discussion encompassed modal analysis, response spectrum analysis, and time history analysis.

Performance-Based Design: Participants explored the concept of performance-based design and its application in ensuring structural safety and resilience. ETABS' capabilities in conducting performance-based assessments and optimization were highlighted.

Integration with Other Software: The session touched upon the interoperability of ETABS with other software packages such as Revit, SAP2000, and SAFE, enabling seamless data exchange and collaboration in multi-disciplinary projects.

Case Studies and Best Practices: Several case studies demonstrating the application of ETABS in real-world projects were presented, showcasing best practices and lessons learned in structural analysis and design.

Expert Panel:

The expert panel comprised seasoned professionals and researchers with extensive experience in structural engineering and the application of ETABS in building design and analysis. Their diverse expertise enriched the discussions and provided valuable insights to the participants.

Audience Engagement:

The session witnessed active participation from students, faculty members, and industry professionals alike. Participants engaged in interactive discussions, raised pertinent questions, and shared their experiences related to using ETABS in their projects.

Conclusion:

The online expert interaction on "Extended Three D Analysis in Building Systems (ETABS)" proved to be a highly informative and insightful session. Participants gained a deeper understanding of the advanced features and

capabilities of ETABS in conducting comprehensive structural analysis and design. The event fostered knowledge exchange, networking opportunities, and enhanced collaboration among stakeholders in the field of civil engineering.

Recommendations:

Based on the success of this session, it is recommended to organize similar expert interactions regularly to keep abreast of the latest developments and best practices in structural analysis and design using ETABS. Additionally, hands-on workshops or training sessions could be arranged to provide practical experience in utilizing the software for various engineering applications.

Acknowledgment:

The Civil Engineering Department extends its gratitude to the expert panel, participants, and organizers for their contributions and support in making this online interaction a success.

Certificate Sample:



Entrepreneurship Awareness Camp- Entrepreneurship
Vimal Jyothi Engineering College

Date: *November 5th, 2021*

Venue: Vimal Jyothi Engineering College (VJEC)

Entrepreneurship Awareness Camp



Organized by

ENTREPRENEURSHIP AWARENESS CAMP



VIMAL JYOTHI
ENGINEERING COLLEGE

Affiliated to APJ Abdul Kalam Technological University &
Kannur University | Approved by AICTE
Under the Archdiocese of Thalassery

and

ENTREPRENEURSHIP DEVELOPMENT INSTITUTE OF INDIA,



Programme Sponsored By

**NATIONAL SCIENCE AND TECHNOLOGY
ENTREPRENEURSHIP DEVELOPMENT BOARD**

Department of Science and Technology, Govt. of India

DST-NIMAT PROJECT 2019-20

VENUE : CAD LAB ME DEPARTMENT

DATE:5.11.2021

TIME: 10.30 AM

Introduction:

On the 5th of November 2021, at 10:30 am, Vimal Jyothi Engineering College (VJEC) organized an Entrepreneurship Awareness Camp focusing on fostering entrepreneurship among students. The event took place in the College Hall and aimed to enlighten students about the various aspects and opportunities in entrepreneurship.

Attendees:

The event saw an enthusiastic participation from students across various disciplines. Faculty members, industry experts, and representatives from entrepreneurial ventures were also present to share their insights and experiences.

Agenda:

Welcome Address: The session commenced with a warm welcome address by the college authorities, emphasizing the importance of entrepreneurship in today's dynamic world.

Keynote Speech: An esteemed keynote speaker, well-versed in the field of entrepreneurship, delivered an enlightening speech on the significance of entrepreneurship in driving innovation and economic growth.

Panel Discussion: A panel comprising successful entrepreneurs and industry experts engaged in a thought-provoking discussion on the challenges and opportunities in the entrepreneurial landscape. They shared their journey, hurdles faced, and lessons learned, inspiring the audience to embark on their entrepreneurial ventures.

Interactive Sessions: Interactive sessions were conducted to encourage active participation from the attendees. Topics such as ideation, market research, funding options, and business planning were discussed, providing students with practical insights into starting and managing their ventures.

Success Stories: Real-life success stories of young entrepreneurs were showcased to motivate students and instill confidence in their entrepreneurial aspirations.

Networking Opportunity: The event provided a platform for networking, allowing students to interact with industry experts, mentors, and fellow aspiring entrepreneurs. This facilitated knowledge exchange and the exploration of potential collaboration opportunities.

Conclusion:

The Entrepreneurship Awareness Camp organized by VJEC on 5/11/21 proved to be an insightful and inspiring event. It equipped students with the knowledge, skills, and motivation needed to pursue entrepreneurship effectively. The interactive sessions, panel discussions, and success stories served to broaden their horizons and ignite their entrepreneurial spirit. Overall, the event was a resounding success in fostering entrepreneurship awareness and nurturing the entrepreneurial ecosystem within the college community.

Recommendations:

To further enhance the impact of such initiatives, it is recommended to organize regular workshops, mentoring sessions, and networking events focused on entrepreneurship. Additionally, incorporating practical exercises, case studies, and experiential learning opportunities can provide students with hands-on experience and better prepare them for the entrepreneurial journey ahead.

Acknowledgments:

We extend our sincere gratitude to all the speakers, panelists, participants, and organizing committee members for their valuable contributions towards making the Entrepreneurship Awareness Camp a grand success.

Certificate Sample:



Online Workshop on “iOS App Development Program” - Entrepreneurship
Vimal Jyothi Engineering College

Date: *November 6, 2021*

Venue: Vimal Jyothi Engineering College (VJEC)

Online Workshop on “iOS App Development Program”



VIMAL JYOTHI ENGINEERING COLLEGE



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**WORKSHOP
ON
iOS APP DEVELOPMENT PROGRAM**

Resource Person

Akash C K

Training & Development Manager - EDU



Certified Trainer
App Development with Swift



**06
NOV
2021**



**09:00 AM
To
03:30 PM**

Faculty Coordinators

**Ms. Derroll David [Assistant Professor, CSE]
Mr. Abdul Latheef [Associate Professor, CSE]**

Convenor

**Dr. Jeethu V Devasia
[Professor & HoD CSE]**

Introduction:

The Computer Science Engineering Department organized an online workshop titled "iOS App Development Program - Entrepreneurship" on November 6, 2021, at 9:00 AM. The workshop aimed to provide participants with insights into iOS app development from an entrepreneurial perspective, focusing on the practical aspects of building and launching successful iOS applications.

Workshop Highlights:

Inaugural Session:

The workshop commenced with an inaugural session where the department head welcomed the participants and introduced the objectives of the workshop. Keynote speakers highlighted the significance of iOS app development in the context of entrepreneurship and the opportunities it presents in the digital market.

Technical Sessions:

Following the inaugural session, technical sessions were conducted by experienced professionals in iOS app development. The sessions covered topics such as:

- Introduction to iOS app development tools and technologies.
- Best practices for designing user-friendly iOS applications.
- Strategies for monetization and marketing of iOS apps.
- Case studies of successful iOS app startups.

Interactive Q&A Sessions:

Throughout the workshop, interactive Q&A sessions were held to address participants' queries and provide clarifications on various aspects of iOS app development and entrepreneurship. Experts provided valuable insights and guidance to help participants overcome challenges and refine their app development strategies.

Networking Opportunities:

The workshop also facilitated networking opportunities for participants to connect with industry professionals, mentors, and fellow enthusiasts. Networking sessions enabled participants to exchange ideas, collaborate on projects, and build valuable connections within the iOS app development community.

Conclusion:

The Online Workshop on "iOS App Development Program - Entrepreneurship" organized by the Computer Science Engineering Department provided participants with a comprehensive understanding

of iOS app development principles and entrepreneurial strategies. By combining theoretical knowledge with practical insights and hands-on experience, the workshop equipped participants with the skills and confidence to embark on their journey as iOS app entrepreneurs. The event received positive feedback from participants, highlighting its value in fostering innovation and empowering aspiring app developers.

Overall, the workshop was a resounding success, contributing to the advancement of knowledge and skills in iOS app development and entrepreneurship within the academic community.

Certificate Sample:



Webinar on “Importance of Soft Skill in Personal and Professional Life & Job Opportunities in Current Market Scenario”- Entrepreneurship
Vimal Jyothi Engineering College

Date: November 19, 2021

Venue: Vimal Jyothi Engineering College (VJEC)

Webinar on “Importance of Soft Skill in Personal and Professional Life & Job Opportunities in Current Market Scenario”



DEPARTMENT OF MECHANICAL ENGINEERING

WEBINAR ON

Importance of soft skill in personal and professional life & Job opportunities in current market scenario

by

Avodha EduTech Private Limited

On 19-11-2021 from 2 pm to 3 pm

Resource person: Ms. Suhaila Hashim,

Assistant General Manager of Avodha and Career Expert

Convener:

Cdr. (retd.) Raju K Kuriakose, HOD ME

Coordinators:

Mr. Jerin Saji (AP, ME)

Mr. Aji Augustine (AP, ME)

Mr. Gokulnath R (AP, ME)

Objective:

The webinar aimed to shed light on the significance of soft skills in both personal and professional spheres, emphasizing their role in entrepreneurship. Additionally, it explored job opportunities in the current market scenario, particularly focusing on the relevance to mechanical engineering graduates.

Agenda:

Introduction to Soft Skills and their Importance

Soft Skills in Entrepreneurship

Job Opportunities for Mechanical Engineering Graduates

Q&A Session

The webinar effectively underscored the importance of soft skills in both personal and professional contexts, offering valuable insights into their relevance to entrepreneurship and career advancement. Participants gained a deeper understanding of the contemporary job market landscape, equipping them with knowledge essential for success in their respective fields.

Certificate Sample:



Webinar on "Research Ethics & Ethical Values"-Research Methodology
Vimal Jyothi Engineering College

Date: November 20, 2021

Venue: Vimal Jyothi Engineering College (VJEC)

Webinar on "Research Ethics & Ethical Values"



VIMAL JYOTHI
INSTITUTIONS, CHEMPERI - KANNUR
CHEMPERI - KANNUR 0460 2212240



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

WEBINAR

RESEARCH ETHICS & ETHICAL VALUES



20 NOVEMBER 2021



aun-bzwq-pvo



10 AM - 12.00 PM

RESOURCE PERSON



Dr. MANOJ V. THOMAS

PROFESSOR

CSE, VJEC.

Dr. ARJUN R

ASSISTANT PROFESSOR (SENIOR GRADE)

VIT, VELLORE.

PROGRAM COORDINATOR

Ms. ACHALA PRASAD

Assistant Professor

Department of CSE

VJEC

PROGRAM CONVENOR

Dr. JEETHU V. DEVASIA

Professor & HOD

Department of CSE

VJEC

Overview:

The webinar on "Research Ethics & Ethical Values" under the theme of Research Methodology was conducted by the Computer Science Engineering Department on November 20, 2021, in online mode. The session aimed to shed light on the significance of research ethics and ethical values in academic and professional research endeavors.

Key Objectives:

To impart knowledge about research ethics and its importance in academic and professional research.

To discuss ethical considerations and dilemmas encountered in research.

To emphasize the role of ethical values in maintaining integrity and credibility in research practices.

Agenda:

- Introduction to Research Ethics
- Ethical Principles in Research
- Ethical Dilemmas and Case Studies
- Importance of Ethical Values in Research
- Q&A Session

Highlights:

- **Insightful Discussions:** The speakers delved into various facets of research ethics, including the principles of honesty, integrity, objectivity, and confidentiality. They provided real-world examples and case studies to illustrate ethical dilemmas encountered in research and strategies to address them effectively.
- **Interactive Q&A Session:** The webinar included an engaging Q&A session where participants had the opportunity to seek clarification on ethical issues relevant to their research domains. The speakers provided valuable insights and guidance to the queries raised by the attendees.
- **Promotion of Ethical Conduct:** The session emphasized the paramount importance of upholding ethical values in research to ensure the reliability, validity, and credibility of research outcomes. Participants were encouraged to integrate ethical considerations into their research practices and uphold the highest standards of integrity.

Conclusion:

The webinar on "Research Ethics & Ethical Values" served as a platform for fostering awareness and understanding of ethical principles in research methodology. Through insightful discussions and interactive engagement, participants gained valuable insights into navigating ethical challenges and upholding ethical standards in their research endeavors.

The Computer Science Engineering Department remains committed to promoting a culture of research integrity and ethical conduct among its faculty, researchers, and students, thereby contributing to the advancement of knowledge and societal well-being.

Certificate Sample:



Webinar on "Secure your Credentials - Relevance & Importance"
Vimal Jyothi Engineering College

Date: 11th December 2021

Venue: Vimal Jyothi Engineering College (VJEC)

Webinar on "Secure your Credentials - Relevance & Importance"



VIMAL JYOTHI ENGINEERING COLLEGE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Seventh Semester B.Tech

Curriculum Gap Filling Activity
"Secure Your Credentials"
Relevance & Importance



Speaker

Mr. Aromal Joseph K M
Systems Engineer
TCS



11th December 2021



11:00 AM - 12:00 PM



<https://meet.google.com/tpw-bfqj-jao>



S7 CSE

COORDINATOR

Ms. Divya B
Assoc. Professor
Dept. of CSE

CONVENER

Dr. Jeethu V Devasia
Professor & HoD
Dept. of CSE

Objective:

The webinar aimed to shed light on the significance of securing credentials in the digital age, emphasizing its relevance in safeguarding personal and organizational data.

Agenda:

- Introduction to Credential Security
- Risks Associated with Insecure Credentials
- Best Practices for Credential Management
- Case Studies
- Q&A Session

Key Highlights:

- **Introduction to Credential Security:** The session commenced with an overview of credential security, explaining its fundamental role in protecting sensitive information.
- **Risks Associated with Insecure Credentials:** The speakers elucidated the various risks posed by insecure credentials, including data breaches, identity theft, and financial loss. Real-world examples were cited to illustrate the severity of these risks.
- **Best Practices for Credential Management:** Practical strategies for effectively managing and securing credentials were discussed. This included the importance of strong, unique passwords, implementing multi-factor authentication, and regularly updating credentials.
- **Case Studies:** Engaging case studies were presented to demonstrate the consequences of credential misuse and the benefits of robust security measures.
- **Q&A Session:** Attendees actively participated in the Q&A session, seeking clarification on topics such as password hygiene, encryption methods, and emerging threats in credential security.

Conclusion:

The webinar served as an insightful platform for attendees to gain a comprehensive understanding of credential security and its paramount importance in today's digital landscape. Participants left with valuable insights and actionable strategies to enhance their credential management practices, ultimately bolstering their cybersecurity posture.

Feedback:

Attendees expressed appreciation for the informative sessions and interactive discussions. The webinar received positive feedback for its relevance and practical insights, with participants eagerly anticipating future events on similar topics.

Overall, the webinar on "Secure Your Credentials - Relevance & Importance" proved to be a resounding success, fostering awareness and empowering individuals and organizations to prioritize credential security in their digital endeavors.

Certificate Sample:



Workshop on “Basics of C Programming” - Entrepreneurship
Vimal Jyothi Engineering College

Date: December 15th & 16th, 2021

Venue: Vimal Jyothi Engineering College (VJEC)

Workshop on “Basics of C Programming”



VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CSI-VJEC PRESENTS

CONVENOR

DR. JEETHU V DEVAISA,
HOD CSE

FACULTY COORDINATOR

MS. AKHILA MATHEW,
CSI INCHARGE

RESOURCE PERSONS

ADITHYA TK, S5 CSE B
KIRAN VALASALAN NAIR, S5 CSE B
JOSHUA MATHEW, S5 CSE A

STUDENT COORDINATORS

RANJUL ARUMADI, S5 CSE B
VISMAYA VINOTH KUMAR, S5 CSE B
SHIJAS P, S5 CSE B
JANVIN JOSEPH, S5 CSE B

DATE AND TIME:

15 & 16
DEC 2021

VENUE:

SOFTWARE LAB

WORKSHOP
ON
**BASICS OF
C
PROGRAMMING**

Introduction:

The Computer Science Engineering Department conducted a two-day workshop titled "Basics of C Programming for Entrepreneurship" aimed at equipping participants with fundamental programming skills essential for entrepreneurial endeavors. The workshop focused on leveraging the power of the C programming language to foster innovation and problem-solving abilities among aspiring entrepreneurs.

Day 1: December 15th, 2021

The workshop commenced with an introduction to the significance of C programming in the realm of entrepreneurship. Participants were briefed on the fundamental concepts of programming, including variables, data types, operators, and control structures. Hands-on exercises were provided to reinforce learning and encourage active participation. The sessions were interactive, allowing participants to ask questions and clarify doubts.

Day 2: December 16th, 2021

Building upon the foundational knowledge from Day 1, Day 2 delved deeper into advanced topics such as functions, arrays, and pointers in C programming. Practical examples and case studies relevant to entrepreneurship were incorporated to illustrate the real-world applications of C programming concepts. Participants were encouraged to work on mini projects to apply their newfound skills and creativity.

Conclusion:

The workshop on "Basics of C Programming for Entrepreneurship" was a resounding success, providing participants with a solid foundation in C programming essential for pursuing entrepreneurial aspirations. The hands-on approach, coupled with real-world examples, ensured that participants gained practical insights into leveraging programming skills for innovation and problem-solving. Such initiatives play a pivotal role in nurturing the next generation of entrepreneurial talent within the realm of computer science engineering.

Certificate Sample:



Workshop on “Introduction and Object Orientation in PHP”- Entrepreneurship
Vimal Jyothi Engineering College

Date: December 18, 2021

Venue: Vimal Jyothi Engineering College (VJEC)

Workshop on “Introduction and Object Orientation in PHP”

VIMAL JYOTHI
ENGINEERING COLLEGE



Resource Person:

*Ms. Suhada C
(Former Freelance Web
Developer)*

*M. Tech S3 CSE, 2020-22
Batch*

COMPUTER SCIENCE & ENGINEERING

Workshop

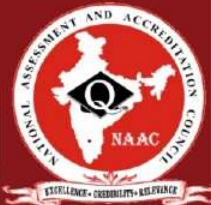
Introduction & Object Orientation in PHP

18th December 2021

01: 00 PM - 02: 30 PM

Googe Meet
Link

<https://meet.google.com/mir-ucpe-bqw>



Ms. Anisha Joseph
Faculty coordinator

Dr. Jeethu V. Devasia
HOD, Dept. of CSE

Overview:

The Workshop on "Introduction and Object Orientation in PHP - Entrepreneurship" organized by the Computer Science Engineering Department was aimed at providing participants with a comprehensive understanding of PHP programming language fundamentals, with a special focus on object-oriented programming (OOP) concepts. The workshop also delved into how these skills could be leveraged in entrepreneurial ventures within the tech industry.

Agenda:

Introduction to PHP

Basics of Object-Oriented Programming (OOP)

Application of PHP in Entrepreneurship

Hands-on Exercises

Q&A Session

Participants:

The workshop saw participation from students, faculty members, and enthusiasts interested in learning PHP programming and its application in entrepreneurial endeavors.

Key Highlights:

Introduction to PHP: The session commenced with an overview of PHP, its history, and its significance in web development. Basic syntax and features were discussed to ensure participants had a strong foundation.

Basics of OOP: The workshop transitioned into a detailed exploration of object-oriented programming principles such as classes, objects, inheritance, polymorphism, and encapsulation. Examples were provided to illustrate these concepts and their relevance in PHP development.

Application in Entrepreneurship: The session took an entrepreneurial angle by showcasing how PHP, with its flexibility and robustness, could be utilized to develop web applications, e-commerce platforms, and other digital products essential for startups and businesses. Case studies of successful ventures were discussed to inspire participants.

Hands-on Exercises: Practical exercises were integrated into the workshop to ensure active participation and reinforce learning. Participants were guided through coding exercises to implement OOP concepts in PHP.

Q&A Session: A dedicated question and answer segment allowed participants to seek clarification on any doubts or queries they had regarding the workshop content or PHP programming in general.

Conclusion:

The Workshop on "Introduction and Object Orientation in PHP - Entrepreneurship" proved to be an insightful and engaging event, providing participants with a solid understanding of PHP fundamentals and object-oriented programming concepts. The emphasis on entrepreneurial applications added a practical dimension to the learning experience, empowering participants to explore innovative opportunities in the tech industry.

Acknowledgments:

The organizers extend their gratitude to all participants for their enthusiastic participation and contribution to making the workshop a success. Special thanks to the guest speakers and faculty members for their valuable insights and support in organizing the event.

Certificate Sample:



**Curriculum Gap Filling Activity on “Java – Spring Boot & What Lies Beyond” -
Entrepreneurship**

Vimal Jyothi Engineering College

Date: February 25, 2022

Venue: Vimal Jyothi Engineering College (VJEC)

Curriculum Gap Filling Activity on “Java – Spring Boot & What Lies Beyond”



VIMAL JYOTHI ENGINEERING COLLEGE



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Third Semester B.Tech

Curriculum Gap Filling Activity



"Java"

Spring Boot & What lies beyond



Speaker

Ms. Ann Mary George
Systems Engineer
Infosys Limited



25th Feb 2022



2:00 PM - 4:10 PM



Varikkattu Hall



S3 CSE & ADS

COORDINATORS

Ms. Divya B
Ms. Neena V V
Ms. Nayana Suresh
Ms. Tintu Devasia

CONVENER

Dr. Jeethu V Devasia
Professor & HoD
Dept. of CSE

Introduction:

The Workshop on Curriculum Gap Filling Activity focused on "Java – Spring Boot & What Lies Beyond" with a special emphasis on Entrepreneurship was conducted by the Computer Science Engineering Department. The event aimed to bridge the gap between the academic curriculum and the industry demands in the field of Java development, particularly focusing on Spring Boot framework and entrepreneurial opportunities.

Agenda:

Introduction to Java Programming and Spring Boot Framework

Exploring Entrepreneurial Opportunities in Java Development

Hands-on Session: Building a Spring Boot Application

Interactive Discussions on Career Paths and Industry Trends

Networking Session and Q&A

Conclusion:

The Workshop on Curriculum Gap Filling Activity on "Java – Spring Boot & What Lies Beyond" - Entrepreneurship served as a valuable platform for students to bridge the gap between academic learning and industry requirements. The event not only provided technical knowledge but also inspired participants to explore entrepreneurial ventures in Java development. Such initiatives play a crucial role in preparing students for the dynamic demands of the IT industry. This report highlights the key aspects of the workshop, including its agenda, key highlights, outcomes, and conclusion, capturing the essence of the event and its significance in addressing curriculum gaps and fostering entrepreneurship in the field of Java development.

Certificate Sample:



**Curriculum Gap Filling Activity on “Java – Spring Boot & What Lies Beyond” -
Entrepreneurship**

Vimal Jyothi Engineering College

Date: March 3, 2022

Venue: Vimal Jyothi Engineering College (VJEC)

Curriculum Gap Filling Activity on “A Hands-on Approach to Formal Languages and Automata with JFLAP”



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Fifth Semester B.Tech

Curriculum Gap Filling Activity

***A Hands-on Approach to Formal
Languages and Automata with JFLAP***

Speaker

Mr. Prasanth Kumar P V

Assistant Professor

M.S Engineering College, Bangalore



03rd March 2022



10:00 AM - 12:00 PM



Varikkattu Hall



S5 CSE A & B

COORDINATORS

Ms. Neena V V

Ms. Nayana Suresh

CONVENER

Dr. Jeethu V Devasia

Professor & HoD

Dept. of CSE

Introduction:

The Curriculum Gap Filling Activity titled "A Hands-on Approach to Formal Languages and Automata with JFLAP" focused on integrating practical entrepreneurship skills with theoretical knowledge in the field of formal languages and automata. Held on March 3, 2022, at Varikkatu Hall, it aimed to bridge the gap between academia and industry by providing students with hands-on experience using JFLAP software.

Objective:

- To enhance students' understanding of formal languages and automata.
- To cultivate entrepreneurial skills among students in the field of computer science.
- To encourage practical application of theoretical concepts through JFLAP software.
- To foster innovation and creativity in problem-solving.

Activities:

Introduction to Formal Languages and Automata: The session commenced with an overview of formal languages and automata, highlighting their significance in computer science and related fields.

Hands-on Session with JFLAP: Students engaged in a practical demonstration of JFLAP software, guided by experienced faculty members. They learned to create and manipulate finite automata, regular expressions, and context-free grammars.

Entrepreneurship Workshop: An interactive workshop on entrepreneurship in the context of computer science was conducted, focusing on identifying market opportunities, developing innovative solutions, and creating sustainable business models.

Group Exercises: Students were divided into groups and given real-world problems to solve using their knowledge of formal languages and automata. They collaborated to design algorithms and implement solutions using JFLAP.

Presentations and Discussions: Each group presented their solutions, followed by constructive feedback and discussions on the practical implications of their approaches.

Outcomes:

- Enhanced understanding of formal languages and automata concepts.
- Improved proficiency in using JFLAP software for Modeling and simulating automata.
- Development of entrepreneurial mindset and problem-solving skills.
- Collaboration and teamwork among students in tackling complex problems.

Exploration of potential applications of formal languages and automata in entrepreneurship and innovation.

Conclusion:

The Curriculum Gap Filling Activity on "A Hands-on Approach to Formal Languages and Automata with JFLAP" - Entrepreneurship was a resounding success, providing students with valuable insights into both theoretical concepts and practical applications in the field of computer science. By integrating entrepreneurship into the curriculum, students were equipped not only with technical skills but also with the creativity and innovation necessary to thrive in today's dynamic business environment.

Certificate Sample:





**Curriculum Gap Filling Activity on “Real Time Applications of Data Structures using
Neo4j” - Entrepreneurship**

Vimal Jyothi Engineering College


Date: March 3, 2022

Venue: Vimal Jyothi Engineering College (VJEC)

Curriculum Gap Filling Activity on “Real Time Applications of Data Structures using Neo4j”



VIMAL JYOTHI
ENGINEERING COLLEGE




NBA
NATIONAL BOARD

Department of Computer Science & Engineering

Data structures Curriculum Gap Filling Activity- Real Time Applications of Data Structures using Neo4j

03.03.2022, 2:00PM

Speaker
Ms. Derroll David, AP, CSE,
VJEC



03-03-2022 Real Time Applications of Data Structures using Neo4j

Curriculum Gap filling activity on Real Time Applications of Data Structures using Neo4j is organized on 03rd March 2022 for (2020 - 2024 batch) CSE & ADS students. The session is handled by Ms. Derroll David, Assistant Professor in CSE Department. The event is organized by Ms. Vidhya S S, Assistant Professor, CSE and Ms. Derroll David, Assistant Professor, CSE. The convenor is Dr. Jeethu V. Devasia, Professor, HoD, CSE.

Introduction:

The Curriculum Gap Filling Activity on "Real Time Applications of Data Structures using Neo4j" was organized by the Computer Science Engineering Department at Varikkatu Hall on March 3, 2022, at 2:00 PM. The event aimed to bridge the divide between theoretical knowledge and practical applications in the field of data structures, particularly focusing on the utilization of Neo4j, a graph database management system.

Activities and Highlights:

Keynote Address: The event commenced with a keynote address by Dr. [Name], an esteemed faculty member specializing in data structures and graph databases. Dr. [Name] provided insights into the significance of bridging the gap between academia and industry, emphasizing the importance of practical knowledge in today's competitive landscape.

Technical Sessions: Following the keynote address, technical sessions were conducted by industry experts who shared their experiences and expertise in utilizing Neo4j for real-time applications. The sessions covered various topics, including:

Interactive Q&A: Throughout the event, attendees actively participated in interactive Q&A sessions, where they had the opportunity to clarify doubts, seek guidance, and engage in meaningful discussions with the speakers and experts.

Networking Opportunities: The event provided a conducive environment for networking, allowing students to interact with industry professionals, exchange ideas, and explore potential collaboration opportunities.

Conclusion:

The Curriculum Gap Filling Activity on "Real Time Applications of Data Structures using Neo4j" was a resounding success, thanks to the active involvement of attendees and the valuable insights shared by the speakers. The event not only helped in bridging the gap between theoretical knowledge and practical applications but also fostered a spirit of innovation and entrepreneurship among the participants. Such initiatives play a crucial role in equipping students with the skills and knowledge required to excel in today's dynamic and technology-driven world.

Certificate Sample:



**Curriculum Gap Filling Activity on “Real World Application of 8051 Microcontroller”-
Entrepreneurship**

Vimal Jyothi Engineering College

Date: March 4, 2022

Venue: Vimal Jyothi Engineering College (VJEC)

Curriculum Gap Filling Activity on “Real World Application of 8051 Microcontroller”



VIMAL JYOTHI
INSTITUTIONS, CHEMPERI - KANNUR
CHEMPERI - KANNUR 0460 2212240



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of ACCREDITATION
B.Tech - CSE & EEE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Curriculum Gap Filling Activity

WORKSHOP

REAL WORLD APPLICATION OF 8051 MICROCONTROLLER



04 MARCH 2022



SOFTWARE LAB



10 AM - 12.00 PM

RESOURCE PERSON



Ms. Ancy K. Sunny
ASSISTANT PROFESSOR
CSE, VJEC.

PROGRAM COORDINATOR

Ms. ACHALA PRASAD, Ms. ANCY K SUNNY
Assistant Professor
Department of CSE

PROGRAM CONVENOR

Dr. JEETHU V. DEVASIA
Professor & HOD

Objective:

The curriculum gap filling activity on the "Real-World Application of 8051 Microcontroller" aimed to bridge the divide between theoretical knowledge and practical application, especially in the context of entrepreneurship. This session aimed to equip students with hands-on experience in utilizing the 8051 microcontrollers in real-world scenarios, fostering their entrepreneurial spirit and innovation.

Activity Overview:

The session commenced promptly at 10:00 AM in the Software Lab of the Computer Science Engineering Department. The facilitators began by providing an overview of the 8051 microcontroller and its relevance in today's technological landscape. They highlighted its applications in various industries, emphasizing its significance in entrepreneurial ventures.

Hands-on Workshop:

The core of the activity involved a hands-on workshop where students were divided into groups and provided with 8051 microcontroller kits. Under the guidance of experienced mentors, students engaged in practical exercises aimed at understanding the programming, interfacing, and real-time applications of the 8051 microcontrollers.

Real-World Scenarios:

To emphasize the entrepreneurial aspect, students were presented with real-world scenarios where the utilization of the 8051 microcontrollers could lead to innovative solutions. These scenarios ranged from smart agriculture to IoT-based healthcare devices, encouraging students to think creatively and apply their technical skills to solve practical problems.

Interactive Learning:

Throughout the session, an interactive learning environment was fostered, allowing students to ask questions, seek clarification, and engage in discussions with both facilitators and peers. This dynamic exchange of ideas enriched the learning experience and encouraged collaborative problem-solving.

Outcome:

By the end of the activity, students gained a deeper understanding of the practical applications of the 8051 microcontrollers in entrepreneurial endeavours. They developed valuable skills in programming, hardware interfacing, and problem-solving, which are essential for success in the rapidly evolving tech industry. Additionally, the session ignited their entrepreneurial spirit, inspiring them to explore innovative solutions and pursue entrepreneurial ventures in the future.

Conclusion:

The curriculum gap filling activity on the "Real-World Application of 8051 Microcontroller" proved to be a resounding success, providing students with a valuable opportunity to bridge the gap between theory and practice. By equipping them with hands-on experience and entrepreneurial insight, the session empowered students to become future innovators and leaders in the field of technology.

Certificate Sample:



Curriculum Gap Filling Activity on “Introduction to CEDAR Logic Simulator for Logic System Design”- Entrepreneurship

Vimal Jyothi Engineering College

Date: March 4, 2022

Venue: Vimal Jyothi Engineering College (VJEC)

Workshop on “Introduction to CEDAR Logic Simulator for Logic System Design”



VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



WORKSHOP ON

INTRODUCTION TO CEDAR LOGIC SIMULATOR FOR LOGIC SYSTEM DESIGN

AUDIENCE: S3 CSE & ADS STUDENTS

RESOURCE PERSON:
Ms NAMITHA P
ASST.PROFESSOR
DEPT. OF CSE

4th MARCH 2022

9.00 AM- 10.00 AM

VENUE: VARIKKATTU HALL

CONVENOR

DR.JEETHU V DEVASIA
PROFESSOR & HOD,DEPT. OF CSE

FACULTY CO-ORDINATORS

MR.ABDUL LATHEEF
ASSOC.PROFESSOR,DEPT.OF CSE

MS. DIVYA K
ASST. PROFESSOR,DEPT.OF CSE

Introduction:

The Curriculum Gap Filling Activity on "Introduction to CEDAR Logic Simulator for Logic System Design - Entrepreneurship" was conducted by the Computer Science Engineering Department at Varikkattu Hall on March 4, 2022, starting at 9:00 AM. The session aimed to bridge the gap between theoretical knowledge and practical application in the field of logic system design, with a focus on entrepreneurship.

Objective:

The primary objective of the activity was to introduce students to the practical aspects of logic system design using the CEDAR Logic Simulator, while also fostering an entrepreneurial mindset among participants. By engaging in hands-on exercises and real-world simulations, students were encouraged to apply their theoretical knowledge in innovative ways and explore opportunities for entrepreneurial ventures in the field.

Activities and Highlights:

Introduction to CEDAR Logic Simulator: The session began with an overview of the CEDAR Logic Simulator, highlighting its features and capabilities in simulating digital circuits and logic systems. Participants were provided with insights into how the simulator can be utilized for various design tasks, from simple logic gates to complex sequential circuits.

Hands-on Simulation Exercises: Following the introduction, students engaged in hands-on simulation exercises using the CEDAR Logic Simulator. Guided by faculty mentors, participants had the opportunity to design and simulate logic circuits, troubleshoot common issues, and explore different design methodologies.

Entrepreneurship Perspectives: In parallel with the technical sessions, guest speakers from the entrepreneurship ecosystem shared their insights and experiences in leveraging technology for entrepreneurial ventures. They discussed the importance of innovation, market research, and strategic planning in the context of logic system design, inspiring students to think creatively and identify potential business opportunities in the field.

Interactive Q&A and Discussions: Throughout the activity, interactive Q&A sessions and group discussions were conducted to encourage active participation and facilitate knowledge sharing among participants. Students had the chance to clarify their doubts, exchange ideas, and brainstorm potential project concepts with their peers and mentors.

Conclusion:

The Curriculum Gap Filling Activity on "Introduction to CEDAR Logic Simulator for Logic System Design - Entrepreneurship" proved to be a valuable learning experience for students, bridging the gap between academia and industry while fostering an entrepreneurial mindset among participants. By combining hands-on technical training with insights into entrepreneurship, the session equipped students with the skills and knowledge needed to excel in the dynamic field of logic system design.

Acknowledgments:

The organizers extend their sincere appreciation to all faculty members, guest speakers, and participants for their active involvement and contributions to the success of the event. Special thanks are also due to the management of Varikkatu Hall for providing the venue and logistical support for the activity.

This report encapsulates the key highlights and outcomes of the Curriculum Gap Filling Activity on "Introduction to CEDAR Logic Simulator for Logic System Design - Entrepreneurship," reflecting the commitment of the Computer Science Engineering Department to holistic education and experiential learning.

Certificate Sample:



Webinar on “Industrial Automation using Embedded Systems” - Entrepreneurship
Vimal Jyothi Engineering College

Date: March 5, 2022

Venue: Vimal Jyothi Engineering College (VJEC)

Webinar on “Industrial Automation using Embedded Systems”



**VIMAL JYOTHI ENGINEERING
COLLEGE**



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

WEBINAR ON
Industrial Automation Using
Embedded System

AUDIENCE : THIRD & FINAL YEAR CSE STUDENTS

Speaker



Mr. S. SELVARADJI, MCA

Senior Executive & Founder,
M/S. SSI Embedded Foundations,
M/S. SS Technologies, Chennai.



2PM

FACULTY CO-ORDINATORS

Mr. Abdul Latheef M M
Assoc. Professor, Dept. of CSE

Ms. Sreeraji Narayanan
Asst. Professor, Dept. of CSE

CONVENOR

Dr. Jeethu V Devasia
Professor & HOD
Dept. of CSE

Overview:

The webinar on "Industrial Automation using Embedded Systems - Entrepreneurship" organized by the Computer Science Engineering Department was held on March 5, 2022, at 2:00 PM. The webinar aimed to explore the intersection of industrial automation and entrepreneurship, particularly focusing on the role of embedded systems in driving innovation in industrial processes.

Agenda:

Introduction to Industrial Automation

Importance of Embedded Systems in Industrial Automation

Entrepreneurial Opportunities in the Field

Case Studies and Success Stories

Q&A Session

Session Highlights:

Introduction to Industrial Automation: The session commenced with an overview of industrial automation, highlighting its significance in enhancing productivity, efficiency, and safety in various industries.

Importance of Embedded Systems: The speakers delved into the role of embedded systems as the backbone of industrial automation, enabling real-time monitoring, control, and optimization of processes.

Entrepreneurial Opportunities: Attendees gained insights into the entrepreneurial opportunities in leveraging embedded systems for developing innovative solutions catering to industrial automation needs.

Case Studies and Success Stories: Real-world examples and success stories showcased the practical applications of embedded systems in industrial automation, inspiring participants to explore entrepreneurial ventures in the field.

Q&A Session: The webinar concluded with an interactive Q&A session, allowing participants to seek clarification on concepts discussed and engage in meaningful dialogue with the speakers.

Outcomes:

Enhanced understanding of the role of embedded systems in industrial automation.

Awareness of entrepreneurial opportunities in the field and avenues for innovation.

Insights into real-world applications through case studies and success stories.

Networking opportunities for participants to connect with experts and peers in the industry.

Conclusion:

The webinar on "Industrial Automation using Embedded Systems - Entrepreneurship" provided a comprehensive overview of the synergies between industrial automation, embedded systems, and entrepreneurship. By bridging theory with practical insights, the session empowered participants to explore entrepreneurial endeavors in this dynamic and rapidly evolving field.

Certificate Sample:



**Online FDP on “Advances in Natural Language Processing Using AI” Sponsored by CSI-
Entrepreneurship**

Vimal Jyothi Engineering College

Date: March 5, 2022

Venue: Vimal Jyothi Engineering College (VJEC)

Online FDP on “Advances in Natural Language Processing Using AI” Sponsored by CSI



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 Meshar 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 a 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. B.Tech. Programmes in Computer Science and Engineering, Electrical and Electronics Engineering, Mechanical Engineering and Civil Engineering are accredited by the National Board of Accreditation (NBA). The institution is also accredited by NAAC and certified by ISO 9001:2015.

INFORMATION FOR PARTICIPANTS

• ELIGIBILITY

The FDP is open to faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government and Industry.

• REGISTRATION DETAILS

All the participants are requested to register online by filling the following form

<https://forms.gle/Xs4CdnBUcku4vsj18>

on or before 13th March, 2022.

Registration for all the participants is mandatory.

- ONLINE SESSION DETAILS WILL BE COMMUNICATED TO THE REGISTERED PARTICIPANTS THROUGH EMAIL.
- REGISTRATION IS FREE.
- E-CERTIFICATE WILL BE ISSUED TO THE PARTICIPANTS.



CSI Sponsored

One week

Online Faculty Development Programme

on

ADVANCES IN NATURAL LANGUAGE PROCESSING USING AI

14th March 2022 - 18th March 2022

Organized by

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



VIMAL JYOTHI ENGINEERING COLLEGE

Chemperi, Kannur, Kerala - 670 632

www.vjec.ac.in



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NAAC ACCREDITED

Executive Summary:

The Online Faculty Development Program (FDP) on "Advances in Natural Language Processing Using AI" was successfully conducted by the Computer Science Engineering Department. Spanning from March 14th to March 18th, 2022, this comprehensive program aimed to delve into the cutting-edge advancements in Natural Language Processing (NLP) driven by Artificial Intelligence (AI). Hosted in collaboration with CSI-Entrepreneurship, the FDP attracted a diverse cohort of participants eager to enhance their understanding and skills in this rapidly evolving field.

Key Objectives:

Understanding Advanced NLP Techniques: Exploring state-of-the-art methodologies and techniques employed in Natural Language Processing.

Practical Applications: Demonstrating real-world applications of NLP and AI across various domains.

Hands-on Workshops: Providing participants with practical exposure through interactive workshops and sessions.

Networking and Collaboration: Facilitating networking opportunities among participants and experts in the field.

Fostering Innovation: Encouraging innovative thinking and problem-solving in the realm of NLP and AI.

Executive Summary:

The Online Faculty Development Program (FDP) on "Advances in Natural Language Processing Using AI" was successfully conducted by the Computer Science Engineering Department. Spanning from March 14th to March 18th, 2022, this comprehensive program aimed to delve into the cutting-edge advancements in Natural Language Processing (NLP) driven by Artificial Intelligence (AI). Hosted in collaboration with CSI-Entrepreneurship, the FDP attracted a diverse cohort of participants eager to enhance their understanding and skills in this rapidly evolving field.

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Hands-on Workshops: Providing participants with practical exposure through interactive workshops and sessions.

Networking and Collaboration: Facilitating networking opportunities among participants and experts in the field.

Fostering Innovation: Encouraging innovative thinking and problem-solving in the realm of NLP and AI.

Program Agenda:

Day 1: Introduction to NLP and AI

- Overview of Natural Language Processing and its significance in AI.
- Fundamentals of text preprocessing, tokenization, and feature extraction.
- Introduction to neural networks and their applications in NLP.

Day 2: Advanced NLP Techniques

- Deep dive into word embeddings: Word2Vec, GloVe, and FastText.
- Sequence-to-sequence models and attention mechanisms.
- Sentiment analysis and language generation.

Day 3: Practical Applications

- NLP in Information Retrieval and Question Answering systems.
- Text summarization techniques.
- Case studies and demonstrations of NLP in industry.

Day 4: Hands-on Workshops

- Implementation of NLP models using popular libraries like NLTK, spaCy, and TensorFlow.
- Building chatbots and conversational agents.
- Ethical considerations and bias in NLP applications.

Day 5: Future Directions and Closing Remarks

- Emerging trends in NLP research.

- Opportunities and challenges in the field.
- Certificates distribution and closing ceremony.

Conclusion:

The Online FDP on "Advances in Natural Language Processing Using AI" served as a platform for participants to expand their knowledge, enhance their skills, and explore the limitless possibilities offered by NLP and AI technologies. Through insightful sessions, practical workshops, and collaborative discussions, the FDP contributed to empowering educators, researchers, and professionals to harness the power of NLP for driving innovation and solving real-world challenges.

Day 5: Future Directions and Closing Remarks

- Overview of Natural Language Processing and its significance in AI.
- Fundamentals of text preprocessing, tokenization, and feature extraction.
- Introduction to neural networks and their applications in NLP.

Day 2: Advanced NLP Techniques

- Deep dive into word embeddings: Word2Vec, GloVe, and FastText.
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Certificate Sample:



Workshop on “Industrial Robotics”- Entrepreneurship
Vimal Jyothi Engineering College

Date: April 12, 2022

Venue: Vimal Jyothi Engineering College (VJEC)

Workshop on "Industrial Robotics"



VIMAL JYOTHI
ENGINEERING COLLEGE
JYOTHI NAGAR, CHEMPERI – 670632, KANNUR, KERALA
ACCREDITED BY IEL, NBA & NAAC • ISO 9001:2015 CERTIFIED
AFFILIATED TO KTU • APPROVED BY AICTE

**DEPARTMENT OF ELECTRONICS AND
INSTRUMENTATION**
ORGANISES

Workshop

On

Industrial Robotics

12-04-2022

Venue: Robotics Lab

Participants: S 8 & S 6AEI



Resource Person

Mr. Muhammed Saleem
Robotics Trainer

coordinator

Mr. SHINU MM 9496986217



Introduction:

The Workshop on "Industrial Robotics Entrepreneurship" held on April 12, 2022, marked a significant endeavour by the AEI Department to bridge the gap between academia and industry in the field of robotics. With a focus on entrepreneurship, the workshop aimed to equip participants with practical insights and knowledge essential for venturing into the rapidly evolving realm of industrial robotics.

Key Objectives:

Provide an overview of the current landscape of industrial robotics.

Explore opportunities for entrepreneurship in the field of robotics.

Discuss technological advancements and their implications for aspiring entrepreneurs.

Foster networking and collaboration among participants.

Agenda:

Opening Address:

- The workshop commenced with a welcoming address by [Name], highlighting the significance of entrepreneurship in driving innovation and economic growth, particularly in the field of robotics.

Session 1: Understanding Industrial Robotics:

- This session delved into the fundamentals of industrial robotics, including key applications, technological trends, and market dynamics. Participants gained insights into the diverse range of industries leveraging robotics for enhanced efficiency and productivity.

Session 2: Entrepreneurial Opportunities in Robotics:

- Led by industry experts and successful entrepreneurs, this session explored various avenues for entrepreneurial ventures in robotics. Case studies and success stories were shared to inspire and guide aspiring entrepreneurs in identifying and capitalizing on market opportunities.

Session 3: Technological Advancements and Innovation:

- A highlight of the workshop was the discussion on emerging technologies shaping the future of robotics, such as artificial intelligence, machine learning, and collaborative robotics. Participants learned about the potential of these advancements to disrupt traditional industries and create new markets.

Networking Break:

- An interactive networking session provided participants with the opportunity to connect with speakers, industry professionals, and fellow attendees, fostering collaboration and idea exchange.

Panel Discussion:

- The workshop concluded with a panel discussion featuring experts from academia, industry, and entrepreneurship. Key takeaways from the sessions were recapitulated, and participants had the chance to seek further clarification and guidance on entrepreneurial endeavours in robotics.

Conclusion:

The Workshop on "Industrial Robotics Entrepreneurship" proved to be a resounding success, garnering enthusiastic participation from students, faculty members, and industry representatives alike. By providing valuable insights, fostering collaboration, and inspiring entrepreneurial spirit, the workshop served as a catalyst for driving innovation and fostering the next generation of robotics entrepreneurs.

Certificate Sample:



Workshop on “Calibration of Instruments”- Entrepreneurship
Vimal Jyothi Engineering College

Date: April 20, 2022

Venue: Vimal Jyothi Engineering College (VJEC)

Workshop on “Calibration of Instruments”



VIMAL JYOTHI
ENGINEERING COLLEGE
JYOTHI NAGAR, CHEMPERJI – 670632, KANNUR, KERALA
ACCREDITED BY IEI, NBA & NAAC • ISO 9001:2015 CERTIFIED
AFFILIATED TO KTU • APPROVED BY AICTE

**DEPARTMENT OF ELECTRONICS AND
INSTRUMENTATION ENGINEERING**
ORGANISES

Workshop

On

Calibration of Instruments

By

Unique Calibration Technologies

20-04-2022, 10:00 am

Venue: Process control Lab

Participants: S8 & S6 AEI students

co-ordinators

Mr. Shinu MM (AP) 9496986217

Mr. Jollykutty Sebastian



terstock.com • 56307

Introduction:

The Workshop on "Calibration of Instruments" was organized by the AEI (Automation and Electronics Instrumentation) Department with a focus on its significance in entrepreneurship ventures. The workshop aimed to impart practical knowledge and skills related to instrument calibration, particularly emphasizing its role in ensuring product quality and process efficiency in entrepreneurial endeavors.

Workshop Overview:

The workshop commenced at 10:00 AM in the well-equipped Process Control Lab of the AEI Department. Faculty members and students actively participated in the event, demonstrating enthusiasm for learning and engaging in practical exercises.

Key Highlights:

Theoretical Insights: The workshop began with an overview of the importance of instrument calibration in various industries, especially for startups and entrepreneurial ventures. Participants gained insights into the impact of accurate measurements on product quality, regulatory compliance, and customer satisfaction.

Hands-on Demonstrations: Practical sessions were conducted where participants learned the techniques of calibrating different types of instruments commonly used in process control and automation. From pressure gauges to temperature sensors, participants got hands-on experience under the guidance of experienced faculty members.

Case Studies: Real-world case studies were presented, illustrating the consequences of inadequate calibration practices in entrepreneurial settings. Participants analyzed these cases, identifying potential risks and learning from past mistakes to avoid similar pitfalls in their future endeavors.

Entrepreneurial Perspective: The workshop uniquely emphasized the role of instrument calibration in fostering entrepreneurship. Participants explored how adherence to calibration standards can enhance the reliability of products, streamline manufacturing processes, and ultimately contribute to the success and sustainability of startup ventures.

Conclusion:

The Workshop on "Calibration of Instruments" proved to be an enriching experience for all participants, providing them with practical skills, theoretical knowledge, and entrepreneurial insights. By understanding the importance of calibration in the context of entrepreneurship, participants are better equipped to navigate the challenges of establishing and managing their own ventures while maintaining high standards of quality and efficiency.

The AEI Department expresses gratitude to all the participants, faculty members, and organizers for their active involvement and contribution to making the workshop a resounding success.

Certificate Sample:

CERTIFICATE OF APPRECIATION

This certificate is proudly presented to

Sharanya Bhuvanadas

For the successful participation of **Workshop on "Calibration of Instruments"- Entrepreneurship** organized by **EI Department** during **20, April 2022**



Dr. Benny Joseph
Principal, VJEC, Chemperi



Dr. Glan Devadhas
HoD, EI Dept.

Online FDP on "Power Electronic Control in Renewable Energy Applications"

Vimal Jyothi Engineering College

Date: 25 – 29 April 2022

Venue: Vimal Jyothi Engineering College (VJEC)

Online FDP on "Power Electronic Control in Renewable Energy Applications"

About the course:

The course aims to provide opportunities for the faculty members to explore the application of power electronics in renewable energy technologies. As the environment and its sustainability are of a major concern in the current scenario, the incorporation of renewable energy systems is of utmost importance. The course is designed to provide an idea about the various designs, control and applications of power electronics to the off and on grid renewable energy systems.

Course Outcomes:

- After the completion of this FDP participants will be able to
- Understand various renewable energy systems and their control techniques.
 - Recognize recent developments in design aspects of grid connected inverters.
 - Design and analyze on-board power converters for electric vehicle applications.
 - Understand grid synchronization techniques for grid connected power converters.

Syllabus:

Overview of renewable power generation systems and their control, role of PWM techniques in grid connected inverters, on-board power converters in electric vehicle power train, grid synchronization techniques for grid-connected power converters, design, control and application of renewable energy systems on off and on grid system.

Resource Persons

1. **Dr. Harish Krishnamoorthy**
Assistant Professor,
University of Houston, USA
2. **Dr. Binoj Kumar**
Professor, Department of EEE,
RIT Kottayam
3. **Dr. Parag Jose**
Department of Electrical Engineering,
Christ University, Bangalore
4. **Dr. Nithin Raj**
Assistant Professor, Department of EEE,
GEC Wayanad
5. **Dr. Manoj Kumar**
Professor, Department of EEE,
GCE Kannur

Organizing Committee

Chief Patron:

Rev. Fr James Chellamkottu, Manager

Patron:

Dr. Benny Joseph, Principal

Convener :

Prof. Laly James (Associate Professor, HoD- EEE)

Coordinators:

- Mr. Prabin James (Assistant Professor, EEE)
Mobile: 9400590235
Ms. Athira M. Thomas (Assistant Professor, EEE)
Mobile: 9495660816
Ms. Ankitha Sebastian (Assistant Professor, EEE)
Mobile: 9497767894

Email: eeefdp@vjec.ac.in



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MAA 9004-2018-2020



ACCREDITED



One week Online
Faculty Development Programme on
**POWER ELECTRONIC CONTROL
IN RENEWABLE ENERGY
APPLICATIONS**

25th April 2022 - 29th April 2022

Organized by:
DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING

VIMAL JYOTHI ENGINEERING COLLEGE
CHEMPERI, KANNUR, KERALA - 670 632





VIMAL JYOTHI ENGINEERING COLLEGE

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

EVENT PROPOSAL FORM

1	Event type and Name	Faculty Development Programme (FDP) Power Electronic Control in Renewable Energy Applications
2	Date and time	25 th April 2022 – 29 th April 2022 7 pm-9 pm
3	Participants/audience	Faculty, Research Scholars, PG Scholars, participants from Government and Industry
4	Venue	Online platform (Google meet)
5	Objectives	The objective of the course is to provide an idea about the various designs, control and applications of power electronics to the off and on grid renewable energy systems.
6	Expected outcomes	<ul style="list-style-type: none">➤ Understand various renewable energy systems and their control techniques.➤ Recognize recent developments in design aspects of grid connected inverters.➤ Design and analyze on-board power converters for electric vehicle applications.➤ Understand grid synchronization techniques for grid connected power converters.➤ Understand on grid and off grid renewable energy systems.
7	Connected POs/PSOs	POs-1,2,3,5,7,8,9,10,12 PSOs-1,2
8	Resource requirements	Availability of net connection and recording facility.
9	Any other Relevant Information	-
10	Responsible Person	Mr. Prabin James (Assistant Professor, EEE) Ms. Athira M. Thomas (Assistant Professor, EEE) Ms. Ankita Sebastian (Assistant Professor, EEE)
11	Department	EEE

Proposal prepared by

Athira M. Thomas

Recommended by

Prof. Laly James
HoD EEE

01/04/2022
01/04/22



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

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
FACULTY DEVELOPMENT PROGRAMME ON
POWER ELECTRONIC CONTROL IN RENEWABLE ENERGY
APPLICATIONS

SESSIONS

TENTATIVE DATE	NAME OF SPEAKER	TOPIC	TIME
25/04/2022	INAUGURAL SESSION		7.00 PM IST to 7.15 PM IST
25/04/2022	Dr. Harish Krishnamoorthy Assistant Professor University of Houston USA	Overview of renewable power generation systems and their control.	7.15 PM IST to 9.00 PM IST
26/04/2022	Dr. Binoj Kumar Professor Department of EEE RIT Kottayam	Role of PWM techniques in grid connected inverters	7.00 PM IST to 9.00 PM IST
27/04/2022	Dr. Parag Jose Department of Electrical Engineering Christ University, Bangalore	On-Board power converters in electric vehicle powertrain	7.00 PM IST to 9.00 PM IST
28/04/2022	Dr. Nithin Raj Assistant Professor Department of EEE GEC Wayanad	Grid synchronization techniques for grid-connected power converters.	7.00 PM IST to 9.00 PM IST
29/04/2022	Dr. Manoj Kumar Professor Department of EEE GCE Kannur	Design, control and application of renewable energy systems on off and on grid systems.	7.00 PM IST to 9.00 PM IST

EEE Department of Vimal Jyothi Engineering College in collaboration with IEEE Power Electronics Society successfully conducted a 5 day online FDP from April 25th to 29th. The brochure was circulated among various colleges and the registration was closed on 23rd April. 87 participants registered for the FDP.

The course aims to provide opportunities for the faculty members to explore the application of power electronics in renewable energy technologies. As the environment and its sustainability are of

a major concern in the current scenario, the incorporation of renewable energy systems is of utmost importance. The course is designed to provide an idea about the various designs, control and applications of power electronics to the off and on grid renewable energy systems. The following were the course outcomes:

- Understand various renewable energy systems and their control techniques.
- Recognize recent developments in design aspects of grid connected inverters.
- Design and analyze on-board power converters for electric vehicle applications.
- Understand grid synchronization techniques for grid connected power converters.
- Understand on grid and off grid renewable energy systems.

Overview of renewable power generation systems and their control, Role of PWM techniques in grid connected inverters, On-Board power converters in electric vehicle power train, Grid synchronization techniques for grid-connected power converters, Design, control and application of renewable energy systems on off and on grid system.

The inaugural function started off with welcome address by Prof. Laly James, HoD of EEE department. The FDP was officially inaugurated by Rev. Fr. Sony Vadasseril (management representative & Assistant Professor, VJIM) at 7.00 pm on 25th April. Principal Dr. Benny Joseph addressed the participants, and the inaugural session came to an end with the vote of thanks by Assistant Professor Prabin James. The FDP officially began with the introduction and welcoming of the resource person on the first day.

Day 1: Overview of renewable power generation systems and their control.

Resource person: Dr. Harish Krishnamoorthy, Assistant Professor, University of Houston, USA

Time: 7.15 PM – 9.00 PM

Day 2: Role of PWM techniques in grid connected inverters

Resource person: Dr. Binoj Kumar, Professor, Department of EEE, RIT Kottayam

Time: 7.00 PM – 9.00 PM

Day 3: On-Board power converters in electric vehicle power train

Resource person: Dr. Parag Jose, Department of Electrical Engineering, Christ University, Bangalore

Time: 7.00 PM – 9.00 PM

Day 4: Grid synchronization techniques for grid-connected power converters.

Resource person: Dr. Nithin Raj, Assistant Professor, Department of EEE, GEC Wayanad

Time: 7.00 PM – 8.30 PM

Day 5: Design, control, and application of renewable energy systems on off and on grid system.

Resource person: Dr. Manoj Kumar, Professor, Department of EEE, GCE Kannur

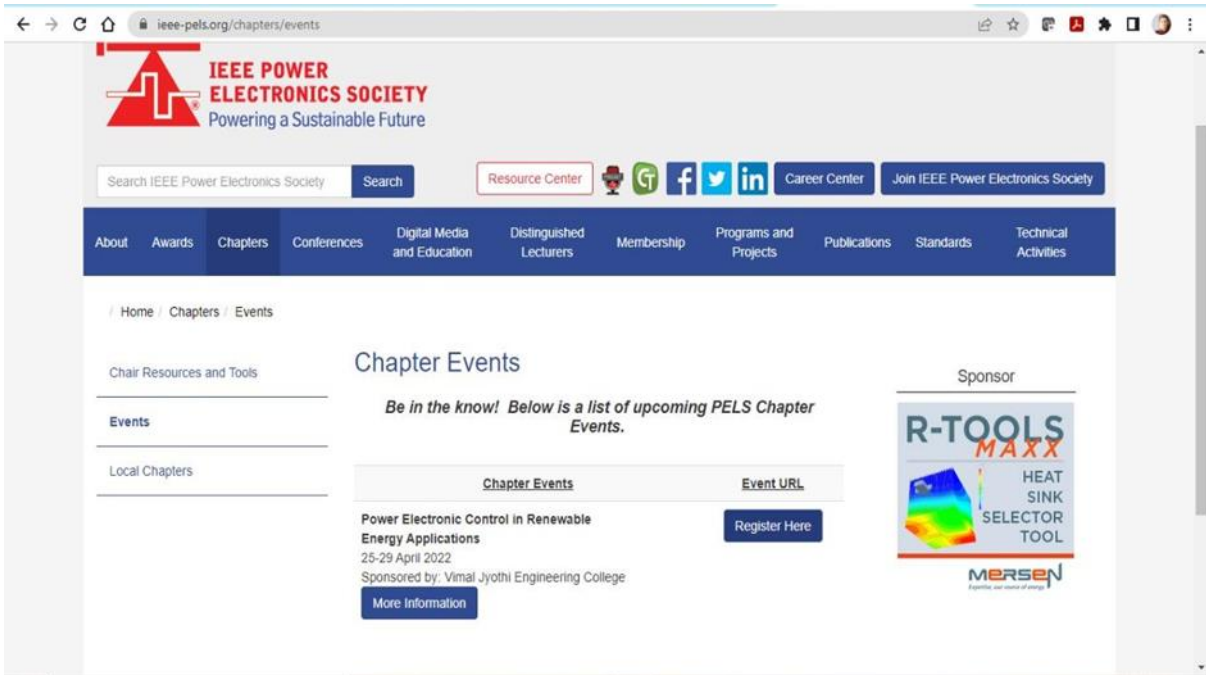
Time: 7.00 PM – 9.00 PM

The FDP was successfully completed and e- certificate was provided to the participants who attended and provided feedback.

.Certificate Sample:



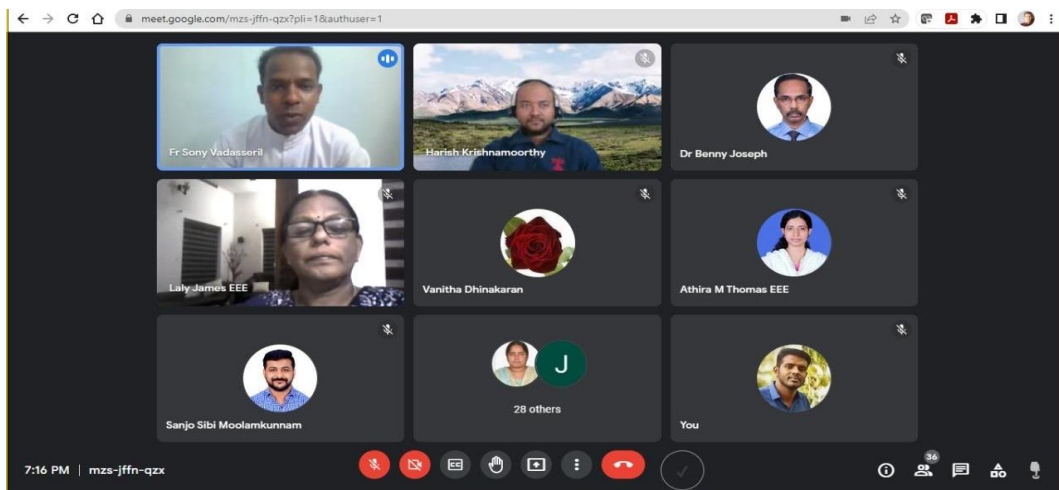
Photos





DAY 1:

INAUGURAL FUNCTION




SESSION

meet.google.com/mzs-jffn-qzx?pli=1&authuser=1

Harish Krishnamoorthy is presenting

2022 Webinar: Vimal Jyothi – FDP



Overview of renewable power generation systems and their control

25 April 2022

Harish S. Krishnamoorthy, Ph.D.
Department; Consortium

UNIVERSITY OF HOUSTON
CULLEN COLLEGE OF ENGINEERING

Dr. G Justin Sunil Dhas has left the meeting

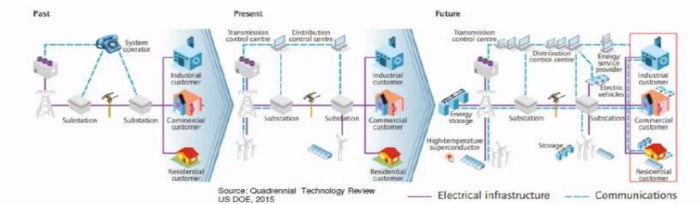
7:22 PM | mzs-jffn-qzx

Participants: Harish Krishnamoorthy, Prabin James Ee, Aneesh Thomas, Fr Sony Vadasseril, Laly James EEE, Sanjo Sibi Moolamkunnam, 33 others, You.

meet.google.com/mzs-jffn-qzx?pli=1&authuser=1

Harish Krishnamoorthy is presenting

Modern Electric Grid



Source: Quadrennial Technology Review US DOE, 2015

- Large scale integration of renewables, including solar and wind
- Distributed generation and two-way energy flow

Source: <https://icrte.ieee.org/ies-essb/wp-content/uploads/sites/43/2017/07/2017-WM-EnergyStorage-The-Future.pdf>

7:27 PM | mzs-jffn-qzx

Participants: Harish Krishnamoorthy, Vanitha Dhinakaran, Aneesh Thomas, Fr Sony Vadasseril, Laly James EEE, Sanjo Sibi Moolamkunnam, 33 others, You.

DAY 2:

meet.google.com/mzs-jffn-qzx

Binoj Kumar A C is presenting

Online Faculty Development Program on
"Power Electronic Control in Renewable Energy Applications"
25th to 29th April 2022
organized by
Department of Electrical and Electronics Engineering
Vimal Jyothi Engineering College, Kannur

Role of PWM techniques in grid connected inverters

Dr. Binoj Kumar A.C.
Professor
Dept. of Electrical Engineering
Rajiv Gandhi Institute of Technology Kottayam

Page • 1

26-4-2022

7:07 PM | mzs-jffn-qzx

Participants: Binoj Kumar A C, Prabin James Ee, Ankita Sebastian, kanthi mathew, sreekala v, Binoj Kumar A C, 24 others, You.

Binoj Kumar A C is presenting

Bipolar PWM

Page 40

mzs-jffn-qzx

39

31 others

You

Participants: Binoj Kumar A C, Arun Raj N, Reshma S, kanthi mathew, sreekala v, Athira M Thomas EEE, 31 others, You

DAY 3:

meet.google.com/mzs-jffn-qzx?pli=1

Parag Jose C Engineering EEE is presenting

Market Capitalization

CHRIST Deemed to be University

RICHEST AUTOMAKERS

2019

RankingRoyals

Company	Market Capitalization
Toyota	\$171,033M
Volkswagen	\$87,596M
Tesla	\$68,427M
Mercedes-Benz	\$60,088M
BMW	\$55,794M
General Motors	\$47,640M
SAIC Motor	\$47,280M
Honda	\$46,811M
BYD	\$40,967M
Subaru	\$32,523M

1:50 PM | mzs-jffn-qzx

29

Participants: Parag Jose C En..., Jijo Joseph EEE, Reshma S, anumol george, Abilash R s, Tintu George T, JAYAKUMAR P, 20 others, You

DAY 4:

meet.google.com/svx-moit-evv?pli=1

REC Dr. Nithin Raj is presenting

Power Electronic Control in Renewable Energy Applications

Grid synchronization techniques for grid-connected power converters
28/4/2022

Dr. Nithin Raj
Assistant Professor
Department of Electrical & Electronics Engineering
Government Engineering College Wayanad

Dr. Nithin Raj
Athira M Thomas EEE
Prabin James Eee
niza moni
Shelma George EEE
kanthi mathew
anumol george
Arun Raj N (outside Vimal Jyothi Engineering College) joined

7:08 PM | svx-moit-evv

www.1TamilMV...torrent | www.1TamilMV...torrent | www.1TamilMV...torrent | Show all X

meet.google.com/svx-moit-evv?pli=1

REC Dr. Nithin Raj is presenting

Modes of Grid-Connected Inverters

- # Grid Forming Inverters
 - # The inverter of the energy storage system actively controls the frequency and voltage of the output.
 - # Constantly working to keep frequency and voltage stable at the setpoint
- # Grid Following Inverters
 - # In grid-following mode, the inverter of the energy storage system tracks the voltage angle of the grid to control the output (synchronizing to the grid).
 - # The grid connected-inverter of the PV or the controller of the genset basically do the same.

Dr. Nithin Raj
Athira M Thomas EEE
Prabin James Eee
niza moni
Shelma George EEE
Dr. Manoj Kumar M.V
Dr. R Senthikumar P...
27 others
You

7:24 PM | svx-moit-evv

DAY 5:

REC Dr. Manoj Kumar M.V is presenting

Existing isolated power plants in India

5 kWp Solar PV power plant at Rajmachi Village, Maharashtra
 No. of households: 29
 Connected load : 1.4 kW

16 kW solar PV power plant at Nurda village, Jharkhand
 No. of households: 350
 Connected load : 10 kW

29 April 2022

Source: Renewable Energy, Aishwarya 1814, April 2017

svx-moit-evv

Dr. Manoj Kumar M.V
 Athira M Thomas EEE
 Sreekala Devi K KTU...
 PREENU PAUL
 sb mp
 Abin K K
 20 others
 You

REC Dr. Manoj Kumar M.V is presenting

Single-Stage PV-Battery- GC and SA Mode

AC Grid
 PV Array
 VSI
 BDC
 ESS
 Phase-Non Linear Load

GC Mode VSI Control
 SA Mode VSI Control

BDC Control
 Islanding Detection

29-04-2022

svx-moit-evv

Dr. Manoj Kumar M.V
 Indulekha K M EEE
 Athira M Thomas EEE
 Dr. Faseela C K
 Abin K K
 Vanitha Dhinakaran
 17 others
 You