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Workshops

workshop is an interactive and collaborative learning session designed to enhance participants' understanding of a specific subject or skill. The primary goal is to provide participants with a hands-on, practical experience that complements theoretical knowledge.

Purpose:

Skill Development:

Workshops aim to develop practical skills relevant to the academic or professional context. This could include research methods, data analysis, writing techniques, or any subject-specific skills.

Interactive Learning:

Unlike traditional lectures, workshops emphasize participant engagement. They often involve activities, discussions, case studies, and other interactive elements to reinforce learning.
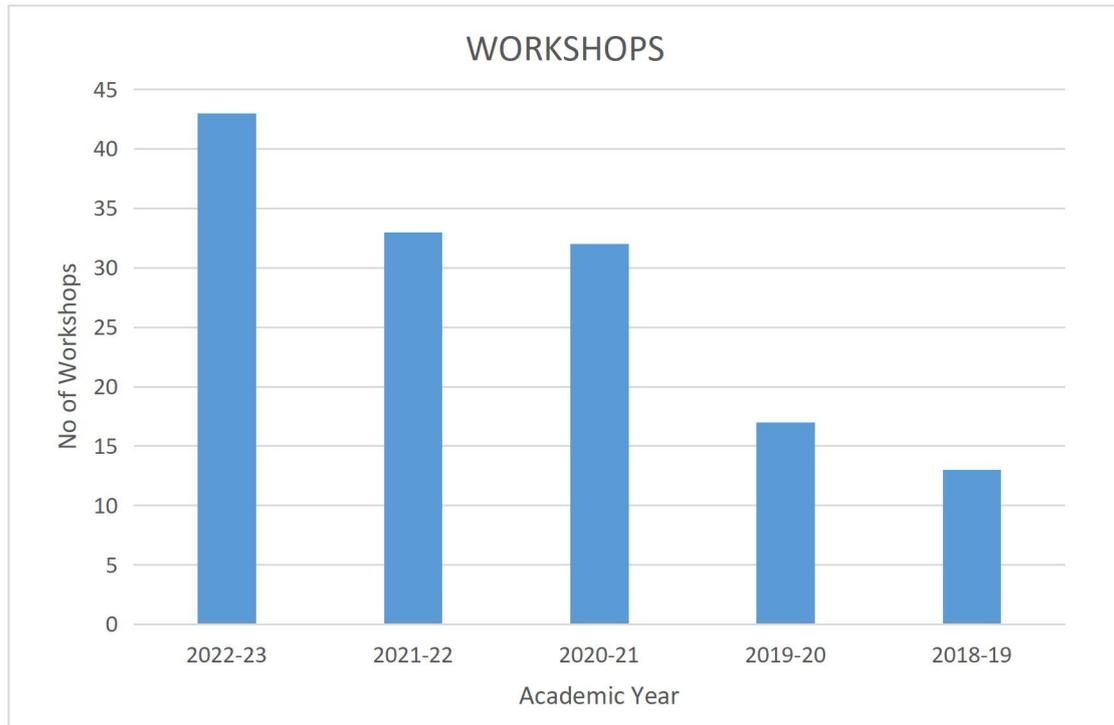
Application of Knowledge:

Workshops bridge the gap between theory and application. Participants are encouraged to apply the knowledge gained during the workshop through hands-on exercises or projects.

Collaboration and Networking:

Workshops provide a platform for participants to collaborate with peers, share ideas, and build professional networks. Group activities foster teamwork and a sense of community among participants.

BAR CHART

WORKSHOPS

No of Workshops / Academic Year

Academic Year	No of Workshops
2022-23	43
2021-22	33
2020-21	32
2019-20	17
2018-19	13

VIMAL JYOTHI ENGINEERING COLLEGE
&
DEPARTEMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

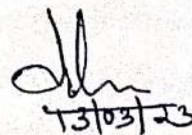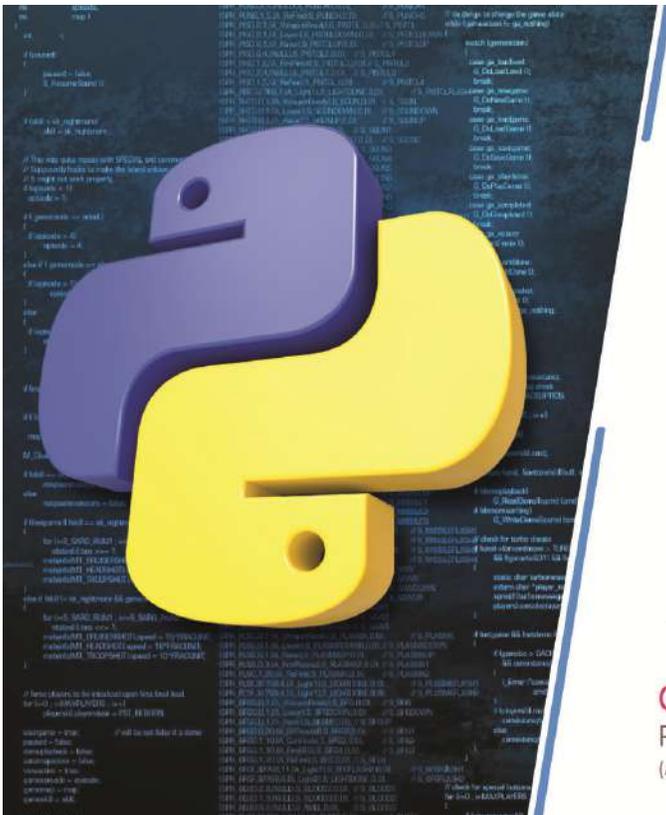## Report on value added course

"Fundamentals of Python"

for

S4 EEE (2021-25 BATCH)

EVENT PROPOSAL FORM

1	Event type and Name	Value added program on" Fundamentals of Python"
2	Date and time	14th to 18th March 20213 , 9:30 am-4:00 pm
3	Participants/audience	S4 EEE students
4	Venue	Offline mode ,Software Lab
5	Objectives	1. To understand the students how to build algorithm for solving different problems. 2. To understand the students how to rectify errors in python programming.
6	Expected outcomes	1. 1. Students able to understand the basic concepts and iterating operations about PYTHON 2. Students able to understand and analyze the arithmetic and logic programming operations about the PYTHON. 3. Understanding the Data Types and language fundamentals of PYTHON 4. Students able to analyze the functions and file actions in PYTHON 5. Understanding the error corrections and advanced operations in Python with a socially relevant projects.
7	Connected POs/PSOs	PO1, PO2, PO3, PO4, PO5, PO6, PO8, PO9, PO10, PO11, PO12, CO1, CO2, CO3, CO4, CO5
8	Resource requirements	Software Lab
9	Any other Relevant Information	Resource Person: Mr. Muhammed Suhail, Robotics Enginer, Deepflow .Technologies Pvt LTD
10	Responsible Person	Proposal Prepared by, Ms. Tintu George T, Associate Professor , EEE, VJEC Mr Prabin James , Assistant Professor , EEE, VJEC 13/03/2023 Recommended by, Ms. Laly James, HOD EEE 13/03/23

VIMAL JYOTHI
INSTITUTIONS CHEMPERI KANNUR

VALUE ADDED COURSE ON
"FUNDAMENTALS OF PYTHON"

COURSE CODE : ADEE401

COURSE DURATION : 5 DAYS (30 hrs)

IN ASSOCIATION WITH

DeepFlow
TECHNOLOGIES

for S4 EEE
Venue : EEE Software Lab ı On 14.03.2023 - 18.03.223

Convener
Prof. Laly James
(Associate Professor,HOD, EEE)

Staff Co-ordinators
Ms. Tintu George,Assoc.P. EEE
Mr Prabin James,AP EEE

1. Introduction

This was a five day workshop on python programming organized by the Electrical & Electronics Department of Vimal Jyothi Engineering college from 14th to 18th March 2023 for all second year Electrical & Electronics students. To explore the power and simplicity of python, this workshop was very encouraging by covering all the python basics.The trainer Mr.Muhammad Suhail in his simple words gave us the mix of theory and practical knowledge of python programming

The session was inaugurated by Ms.Laly James, Head of The Department of Electrical and Electronics department ,also motivated the students with her speech and explained that these kinds of workshops are beneficial for the upcoming placements and technical knowledge.

Day 1 : 14th March

Introduction to programming and python and the students were taught that python is a simple programming language compared to other programming languages.After that familiared with 'Scratch',the world's largest coding community and a coding language with a simple visual interface that allows young people to create digital stories,games,and animation with some practical experience.

Day 2 : 15th March

On this day familiared with Visual Studio Code,a source-code editor made by Microsoft and learned the basics of coding. Python Workshop

Day 3 : 16th March

Earned certificates of kaggle and a coding certificate. This day was quite interesting for completing the given task.

Day 4 : 17th March

Learned to prepare a notebook on google colab and prepared a python notebook by adding all the basic information about python that we have learned.So got a detailed idea about area covered and the notebook will be helpful for the future references also.

Day 5 : 18th March

Introduced with HackerRank, a website which will be helpful for preparing technical interviews. After that , learned some basics of machine learning. The five days of workshop got an end with the conclusion speech of Ms. Tintu George, Tutor ,2021-25 EEE batch and Mr. Jithin Nair and Mr. Ashwanth Shaji shared their experience on those five days. At the end of workshop students were happy knowing that they were now able to program Python.

2. Curriculum and lesson Plan

MODULE 1 **Day 1**	## Environment Setup • Python Installation • Execution Types • What is an interpreter? • Interpreters vs Compilers • Using the Python Interpreter • Interactive Mode • Running python files • Working with Python shell • Integrated Development Environments (IDEs) • Interactive Mode Programming • Script Mode Programming
MODULE 2 **Day 2**	## Basic Operators in Python • Types of Operators • Python Arithmetic Operators • Python Comparison Operators • Python Assignment Operators • Python Bitwise Operators • Python Logical Operators • Python Membership Operators (in, not in) • Python Identity Operators (is, is not) • Python Operators Precedence
MODULE 3 **Day 3**	## Basic Concepts ### Data Types • Variables • Assigning Values to Variables • Multiple Assignment • Python Numbers • Python Strings • Accessing Values in Strings • String Special Operators • String Formatting Operator • Triple Quotes • Built-in String Operations ### Python Lists • Accessing Values in Lists • Updating Lists

	• Delete List Elements • Basic List Operations • Indexing, Slicing, and Matrixes • Built-in List Functions & Methods **Python Tuples** • Accessing Values in Tuples • Updating Tuples • Delete Tuple Elements • Basic Tuples Operations • Indexing, Slicing, and Matrixes • No Enclosing Delimiters • Built-in Tuple Functions **Python Dictionary** • Accessing Values in Dictionary • Updating Dictionary • Delete Dictionary Elements • Properties of Dictionary Keys • Built-in Dictionary Functions & Methods

MODULE 4
Day 4
	Loops and Decision Making
	• if statements
	• ..else statements
	• nested if statements
	• while loop
	• for loop
	• nested loops
	• Loop Control Statements
	    ◦ break statement
	    ◦ continue statement
	    ◦ pass statement
	
	Functions
	• Defining a Function
	• Syntax
	• Calling a Function
	• Pass by reference vs value
	• Function Arguments
	• Required arguments
	• Keyword arguments
	• Default arguments
	• Variable-length arguments
	• The return Statement
	• Scope of Variables

MODULE 5 Day 4	**Python Modules and Packages**
	• Framework vs Packages
	• Folium Introduction
	• Why are modules used?
	• Creating modules
	• The import Statement
	• The from...import Statement
	• The from...import * Statement
	• Locating Modules
	• The PYTHONPATH Variable
	• Namespaces and Scoping
	• The dir( ) Function
	• The globals() and locals() Functions
	• The reload() Function
	• Packages in Python
	• Constructing user defined packages
	• Importing user defined packages
	Basic OOPs Concept
	Creating class in Python
	Private Identifier
	Constructor
	Inheritance
	Polymorphism
	Decorator, Iterator and Generator
	Anonymous Function
	• Lambda
	• Map
	• Filter
	• Reduce
	File Manipulation
	• Opening Text File
	• Working with a File on Python
	• The open function
	• File modes
	• The file object attributes
	• close() method
	• write() method
	• read() method
	• Files: Input
	• Files: Output
	• Reading files
	• Renaming & deleting files
	• Writing into a file

	• remove() method
MODULE 6 **Day 5**	### Errors and Exception Handling • Standard exceptions • Assertions in Python • The assert Statement • What is Exception? • Handling an exception • Syntax • The except Clause with No Exceptions • The except Clause with Multiple Exceptions • The try-finally Clause • Argument of an Exception • Regular Expression ### Advanced Concept – Overviews • Basics of Pandas and Numpy • How to use Anaconda • Overview of Machine Learning • Overview of Django

COURSE OUTCOMES

1. Students able to understand the basic concepts and iterating operations about PYTHON
2. Students able to understand and analyze the arithmetic and logic programming operations about the PYTHON.
3. Understanding the Data Types and language fundamentals of PYTHON
4. Students able to analyze the functions and file actions in PYTHON
5. Understanding the error corrections and advanced operations in Python with a socially relevant projects.
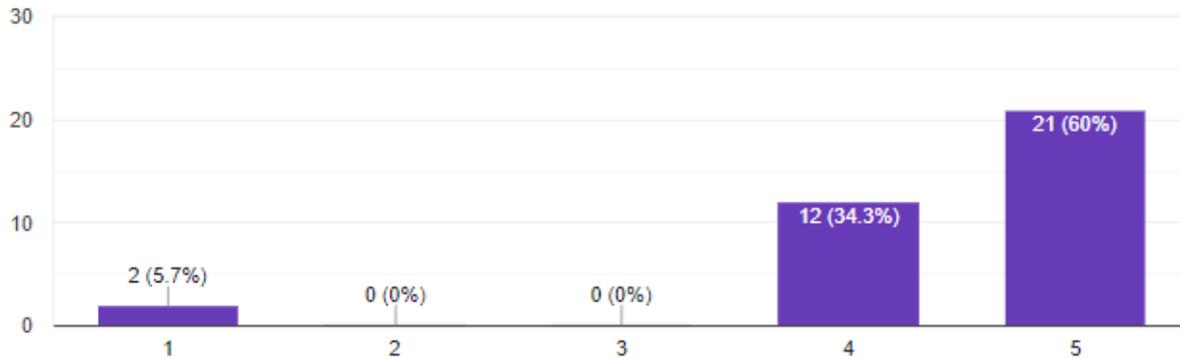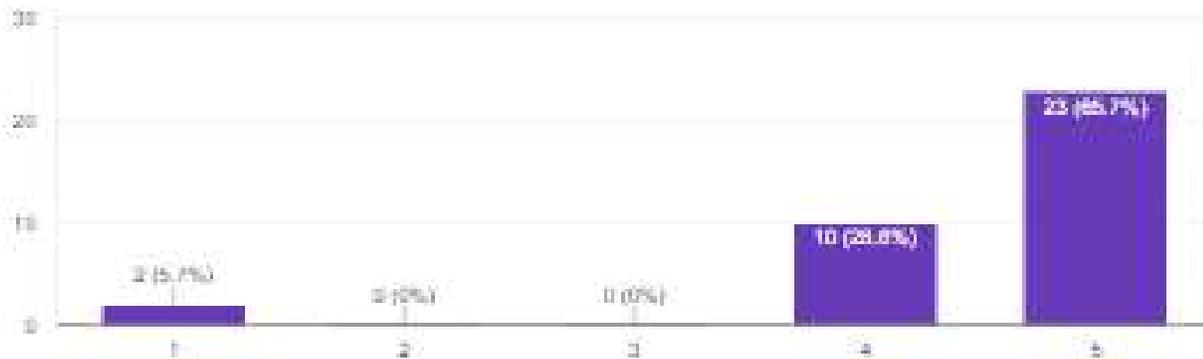
CO PO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	M				H				H	M		H
CO2	H	H	M	M	H				H	M		H
CO3	H	M			H				H	M		H
CO4	H	H	H	H	H				H	M	H	H
CO5					H	H		H	H	M		H

3. Feedback from students

Able to understand the basic concepts and iterating operations about PYTHON

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35 responses

Able to understand and analyze the arithmetic and logic programming operations about the PYTHON
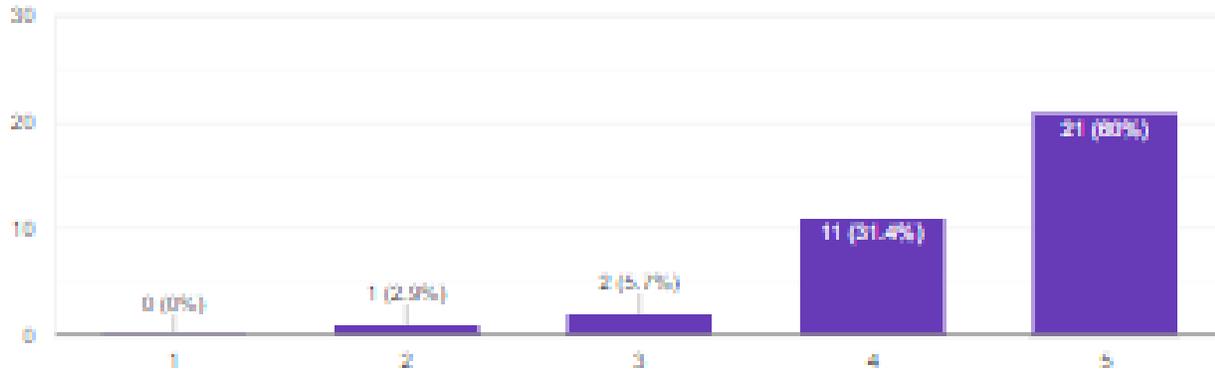
📋 Copy

35 responses

Able to understand the Data Types and language fundamentals of PYTHON   Copy
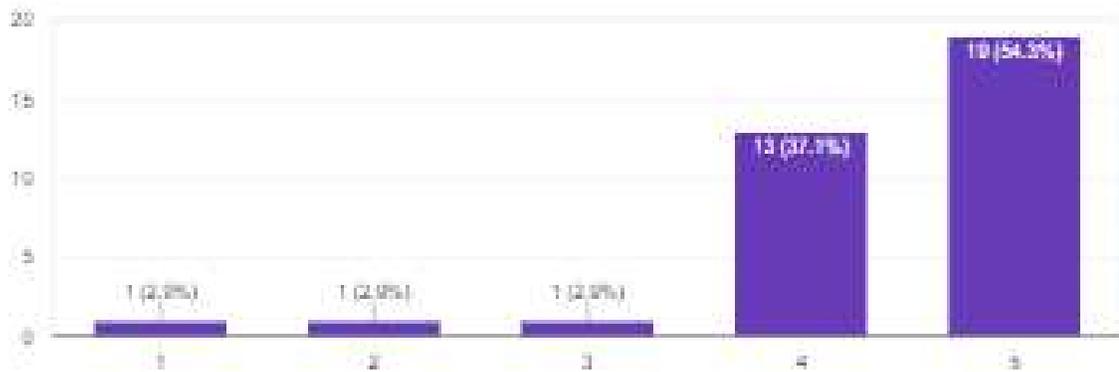
35 responses

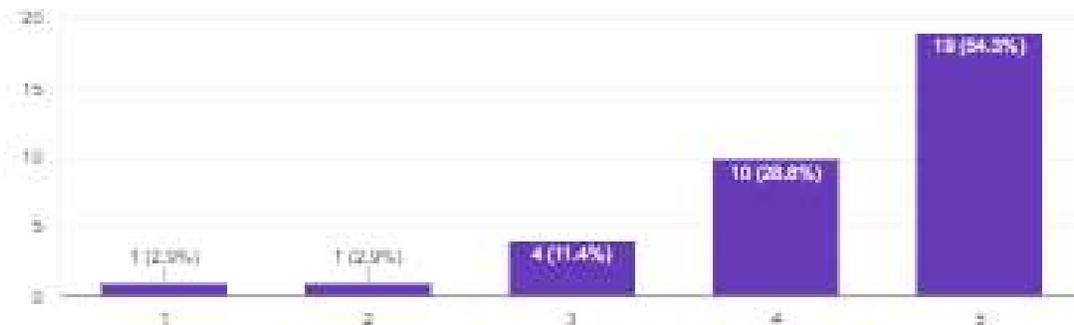Able to analyze the functions and file actions in PYTHON   Copy

35 responses

Able to understand error corrections and advanced operations in Python with socially   Copy
relevant projects.

35 responses

4. Sample Certificate

IEEE
Advancing Technology
for Humanity

VIMAL JYOTHI
ENGINEERING COLLEGE

VALUE ADDED COURSE ON

"FUNDAMENTALS OF PYTHON "

Certificate of Participation

THIS IS TO CERTIFY THAT

Mr.Jithin Nair

HAS PARTICIPATED IVALUE ADDEED COURSE PROGRAMME ON
"FUNDAMENTALS IN PYTHON PROGRAMMING " ORGANISED BY THE DEPARTMENT OF ELECTRICAL AND
ELECTRONICS ENGINEERING, VIMAL JYOTHI ENGINEERING COLLEGE IN ASSOCIATION WITH IEEE AND DEEP-
FLOW TECHNOLOGIES FROM 14th March 2023 TO 18th March 2023

Convener
Prof. Laly James
H.O.D, EEE

Robotic Engineer
Mr. Muhammed Suhail
Deep Flow Technologies

Principal
Dr. Benny Joseph

5. Photo Gallery

SI.NO	REG NO	NAME OF THE STUDENT	3/14/2023 FN	3/14/2023 AN	3/15/2023 FN	3/15/2023 AN	3/16/2023 FN	3/16/2023 AN	3/17/2023 FN	3/17/2023 AN	3/18/2023 FN	3/18/2023 AN
1	VML21EE001	Abhijith Rajeevan										
2	VML21EE002	Abhinav Pv										
3	VML21EE003	Abhinav S										
4	VML21EE004	Abhiraj V										
5	VML21EE005	Abhishek Vk										
6	VML21EE006	Abin C S										
7	VML21EE007	Amegh K										
8	VML21EE008	Arjun.v										
9	VML21EE009	Ashish Arun										
10	VML21EE010	Ashuthosh,t										
11	VML21EE011	Ashwanth Shaji										
12	VML21EE012	Aswanth K M									Ab	
13	VML21EE013	Jithin Nair M										
14	VML21EE014	Nandana V P								A.B	Ab	Ab
15	VML21EE015	Nazal Najeeb Kt									Ab	Ab
16	VML21EE016	Niranjan Deb Prasad										
17	VML21EE017	Aswanth Mohan										
18	VML21EE018	Partheev Krishnan										
19	VML21EE019	Pranav K C									Ab	Ab
20	VML21EE021	Razi Ilyas M K										
21	VML21EE022	Sarang M									Db	Ab
22	VML21EE024	Shanat K S										
23	VML21EE025	Sharon Manas V V									Ab	Ab
24	VML21EE026	Sherfin M.b										
25	VML21EE027	Siju Bijoy										
26	VML21EE028	Theertha N										
27	VML21EE029	Viney K K										
28	VML21EE030	Vineeth Binoy										
29	VML21EE031	Vyshnavi P										
30	VML21EE032	Yadunand Sajith										

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Artificial Intelligence and Data Science

A Report on Add-on Course
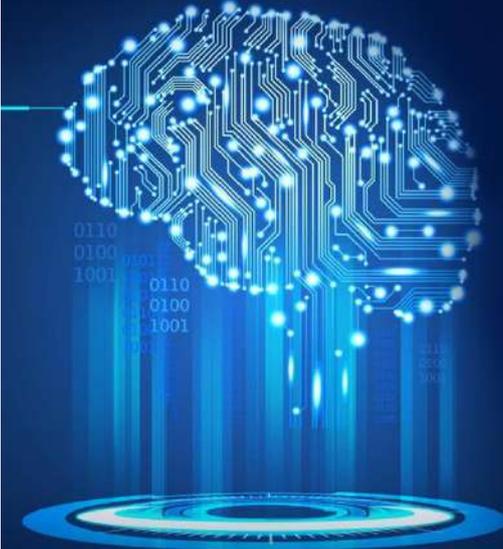
"Deep Learning – A Real World Approach"

for

S6 ADS (2020-'24)

29/03/2023 – 02/04/2023

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Poster

Add-on course Report S6 ADS

Introduction

This add-on course was conducted for Sixth Semester Artificial Intelligence and Data Science students, to provide the core fundamentals behind the field of Deep Learning. It introduces major deep learning algorithms, the problem settings, and their applications to solve real world problems. This course covers basics and hands on approach to neural networks, understanding how CNN and RNN works with common examples.

The convenor of this course was Dr.Manoj V. Thomas, Professor, ADS and the course was organized by Ms.Ancy K Sunny, Assistant Professor, ADS and Ms. Thriphi P Balakrishnan, Assistant Professor, ADS and the sessions were handled by Dr. Premjith B and Mr. Sajith Variyar V.V, Assistant Professors, Center for Computational Engineering and Networking, Amrita Vishwa Vidyapeetham, Coimbatore. All the students (32 No.s) of S6 ADS participated in the course.

This report provides an overview of the course including syllabus, course activities, outcomes and assessment tools used.

Day 1 (29/03/2023)

The first day of the course was handled by Dr.Premjith B, with an introduction about machine learning and topics based backward propagation and Encoder-Decoder Model, Neural Language Model (NLM), Recurrent Neural Network (RNN), and transformer networks.

In second session, basic code and function in neural network and convolutional network was introduced to the students and handson session was provided for backward propagation and Encoder-Decoder Model, Neural Language Model (NLM), Recurrent Neural Network (RNN), and transformer networks

Day 2 (30/03/2023)

On the second day, Mr. Sajith Variyar handled a session on CNN networks, medical image processing techniques such as MRI, and Unet for medical image segmentation. The session was aimed at providing insights into the fields of medical imaging and how it is being transformed by deep learning techinques. He explained how CNNs work and how they are used for tasks such as image classification, object detection, and segmentation. He also discussed various types of CNN architectures and its implementation.

The second part of the session focused on medical image processing techniques, particularly Magnetic Resonance Imaging (MRI). Mr. Sajith Variyar explained the basic principles of MRI and how it is used to create images of internal organs and tissues. He also discussed common MRI image artifacts and how to address them.

The final part of the session covered Unet, a type of CNN architecture that is commonly used for medical image segmentation. Mr. Sajith Variyar explained how Unet works and how it can be trained on medical image datasets to segment regions of interest. He also discussed some of the challenges associated with medical image segmentation, such as class imbalance and limited training data. He also demonstrated how to use UNet for the medical image segmentation using the Python programming language.

Day 3 (31/03/2023)

On third day, the first session was on the Encoder-Decoder Model and Attention Mechanism, which are widely used in NLP tasks such as machine translation, text summarization, and image captioning. Mr. Premjith B explained the basics of these models and their working principles, using examples and case studies to illustrate their applications.

The second session was on Neural Language Models (NLM), which are used to predict the probability distribution of the next word in a sequence of words. Mr. Premjith B explained the different types of NLMs, such as feedforward neural networks, RNNs, and transformers, and their strengths and limitations. He also discussed the training and evaluation of NLMs, using examples and case studies to illustrate their applications.

The third session was on Recurrent Neural Network (RNN), which is a type of neural network that can process sequential data. Mr. Premjith B explained the working principles of RNNs, the challenges associated with training them, and their applications in NLP and other fields. He also discussed the different types of RNNs, such as simple RNN, LSTM, and GRU, and their strengths and limitations.

The final session was on transformer networks, which are a type of neural network that can process sequential data in parallel. Mr. Premjith B explained the working principles of transformer networks, their advantages over RNNs, and their applications in NLP and other fields. He also discussed the different types of transformer networks, such as BERT and GPT, and their strengths and limitations.

Day 4 (01/04/2023)

On fourth day, students were assigned with two projects :

1. Implement deep learning models for sentiment analysis uisng Recurrent Neural Network, Long Short Term Memory Networks, and Gated Recurrent Unit.
2. Build simple CNN network which can classify the leaves given in above dataset. The Dataset given in above link contains 38 different diseases (38 class). Train the CNN model to classify different diseases.

This covered the fifth couse outcome(CO5).

Day 5 (02/04/2023)

On fifth day, assessment was done. A quiz was conducted covering all the topics introduced in the session which focussed on course outcomes, CO1 to CO4.

A project presentation was done by students, in which they explained their work. Also, a feedback was taken from students which covered all the POs and PSOs.

Curriculum

Mudule I

    Introduction to Deep Learning - Introduction to Deep Learning-Difference between Machine Learning and Deep Learning

Module II

    Deep Neural Network (DNN) - Perceptron - Activation function - Parameters of a neural network - Loss functions - Optimizers- Image classification using DNN (Including hands-on session)

Module III

    Deep learning for Computer Vision - Convolutional Neural Network - Convolutional Neural Network (CNN) - Components of a CNN - Transfer learning with CNN- CNN applications for biomedical image data (Including hands-on session)

Module IV

    Deep Learning for Natural Language Processing - Sequential data - How to process sequential data? - Recurrrent Neural Network (RNN)- Long Short - Term Memory (LSTM) Networks- Text classification using RNN and LSTM (Including hands-on session) - Encoder - Decoder Architecture for Machine Translation

SYLLABUS

Deep Learning - A real-world approach

Course Description

This course aims to present the core fundamentals behind the field of Deep Learning. It introduces major deep learning algorithms, the problem settings, and their applications to solve real world problems. This course covers basics and hands on approach to neural networks, understanding how CNN and RNN works with common examples.

Course Objective

- Introduces the fundamental concepts of Deep Learning and its applications by Providing an overview of Deep Learning techniques like Artificial Neural Networks, Convolutional Neural Networks, and Recurrent Neural Networks.
- Provides Hands-on experience with popular Deep Learning frameworks.
- Understanding the challenges and limitations of Deep Learning and how to overcome them.
- Developing problem-solving skills and the ability to design and implement Deep Learning solutions to real-world problems.

Course Outcomes (CO)

At the end of the course students will be able

1. To differentiate between various machine learning and deep learning algorithms.

2. To apply DNN for image classification.

3. To apply CNN in Biomedical field.

4. To build RNN ad LSTM models for different NLP applications.

5. To develop a   solution for a real-world problem that demonstrates a thorough understanding of deep learning principles and concepts, achieved through effective teamwork.

CO-PO/PSO Mapping

COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2
CO1	3	3	3	3	1								3	3
CO2	3	3	3	3	2								3	3
CO3	3	3	3	3	2								3	3
CO4	3	3	3	3	2								3	3
CO5	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Syllabus

Unit	Details	Hours
1	Introduction to Deep Learning - Introduction to Deep Learning - Difference between Machine Learning and Deep Learning	4
2	Deep Neural Network (DNN) - Perceptron - Activation function - Parameters of a neural network - Loss functions - Optimizers- Image classification using DNN (Including hands-on session)	6
3	Deep learning for Computer Vision - Convolutional Neural Network - Convolutional Neural Network (CNN) - Components of a CNN - Transfer learning with CNN- CNN applications for biomedical image data (Including hands-on session)	7
4	Deep Learning for Natural Language Processing - Sequential data - How to process sequential data? - Recurrent Neural Network (RNN)- Long Short - Term Memory (LSTM) Networks- Text classification using RNN and LSTM(Including hands-on session) - Encoder - Decoder Architecture for Machine Translation	7
	Course Project and Evaluation	6

Text Books:

1. Ian J. Goodfellow, Yoshua Bengio, Aaron Courville, "Deep Learning", MIT Press, 2017.

2. Francois Chollet, "Deep Learning with Python", Manning Publications, 2018

References:

1. Phil Kim, "Matlab Deep Learning: With Machine Learning, Neural Networks and Artificial Intelligence", Apress, 2017.

2. Ragav Venkatesan, Baoxin Li, "Convolutional Neural Networks in Visual Computing", CRC Press, 2018.

3. Navin Kumar Manaswi, "Deep Learning with Applications Using Python", Apress, 2018.

4. Joshua F. Wiley, "R Deep Learning Essentials", Packt Publications, 2016.

Lesson Plan

Day	Plan

29/03/2023	**1. Introduction to Deep Learning**
	    - Introduction to Deep Learning
	    - Difference between Machine Learning and Deep Learning
	2. Deep Neural Network (DNN)
	    - Perceptron
	    - Activation function
	    - Parameters of a neural network
	    - Loss functions
	    - Optimizers
	    - Image classification using DNN (Including hands-on session)

30/03/2023	**Deep learning for Computer Vision - Convolutional Neural Network**
	    - Convolutional Neural Network (CNN)
	    - Components of a CNN

Day	Plan
	- Transfer learning with CNN - CNN applications for biomedical image data (Including hands-on session)
31/03/2023	**Deep Learning for Natural Language Processing** - Sequential data - How to process sequential data? - Recurrrent Neural Network (RNN) - Long Short - Term Memory (LSTM) Networks - Text classification using RNN and LSTM (Including hands-on session) - Encoder - Decoder Architecture for Machine Translation
01/04/2023	Project based on NLP and image processing
02/04/2023	Presentation and Feedback

Assessment tools used

- For the assessment of course outcomes (CO1 to CO4), a test was conducted for the students based on the topics which they learned during the session.

- For the assessment of course outcome CO5, two projects were assigned to students. Students implemented the projects and was evaluated by project presentation of students using following rubrics:

- Assessment of POs/PSOs, was done by collecting feedback from students.

Add-on course Report S6 ADS

Participant Attendance

Roll no	Register no	Name	29/03/2023 FN	29/03/2023 AN
		Vimal Jyothi Engineering College Chemperi - 670632		
		Artificial Intelligence and Data Science		
		Ad-on Course - "Deeplearning - A real world approach"		
1	VML20AD001	AARSHA ANIL		
2	VML20AD002	ALANA ANCE JOHN		
3	VML20AD003	ALAN THOMAS		
4	VML20AD004	AMRITHA PRADEEP		
5	VML20AD005	ANN RIYA JAISON		
6	VML20AD006	AUSTINE S MANUEL		
7	VML20AD007	CAMAY JILLS	Absent	Absent
8	VML20AD008	CHANDHANA RAJEEVAN		
9	VML20AD009	CHRISTEENA J ROSE		
10	VML20AD010	DENI THOMAS		
11	VML20AD011	DEVA NAIR		
12	VML20AD012	HAMNA RAFEEQ		
13	VML20AD013	JASHLIN S SIMON		
14	VML20AD014	KIRAN PRASAD PP		
15	VML20AD015	MARWA ABDUL RAZAK		
16	VML20AD016	MAZIN MURSHID		
17	VML20AD017	MOHAMMED ZAIN RAFEEQUE		
18	VML20AD018	NANDHAJ VIJAYAN		
19	VML20AD019	NAVANEETHA P NAMBIAR		
20	VML20AD020	RIDHA GAFOOR	Absent	Absent
21	VML20AD021	ROSE BENNY		
22	VML20AD022	SHARON RAJISH JOSEPH		
23	VML20AD023	SHYAMITH MANNAMBETH		
24	VML20AD024	SNEHAL VINOD T		
25	VML20AD025	SOURAV C		
26	VML20AD026	STEPHIN LIJI		
27	VML20AD027	THAHA MUHAMMED YASEEN		
28	VML20AD028	THALHAH ANAS		
29	VML20AD029	VAIBHAV RAJESH		
30	VML20AD030	VAISHAKH P		
31	VML20AD031	VISHNUPRIYA N		
32	LVML20AD032	HARSHA M		

Vimal Jyothi Engineering College Chemperi - 670632

Artificial Intelligence and Data Science

Ad-on Course - "Deeplearning - A real world approach"

Roll no	Register no	Name	30/03/2023 FN	30/03/2023 AN
1	VML20AD001	AARSHA ANIL		
2	VML20AD002	ALANA ANCE JOHN		
3	VML20AD003	ALAN THOMAS		
4	VML20AD004	AMRITHA PRADEEP		
5	VML20AD005	ANN RIYA JAISON		
6	VML20AD006	AUSTINE S MANUEL		
7	VML20AD007	CAMAY JILLS		
8	VML20AD008	CHANDHANA RAJEEVAN		
9	VML20AD009	CHRISTEENA J ROSE		
10	VML20AD010	DENI THOMAS		
11	VML20AD011	DEVA NAIR		
12	VML20AD012	HAMNA RAFEEQ		
13	VML20AD013	JASHLIN S SIMON		
14	VML20AD014	KIRAN PRASAD PP		
15	VML20AD015	MARWA ABDUL RAZAK		
16	VML20AD016	MAZIN MURSHID		
17	VML20AD017	MOHAMMED ZAIN RAFEEQUE		
18	VML20AD018	NANDHAJ VIJAYAN		
19	VML20AD019	NAVANEETHA P NAMBIAR		
20	VML20AD020	RIDHA GAFOOR		
21	VML20AD021	ROSE BENNY		
22	VML20AD022	SHARON RAJISH JOSEPH		
23	VML20AD023	SHYAMITH MANNAMBETH		
24	VML20AD024	SNEHAL VINOD T		
25	VML20AD025	SOURAV C		
26	VML20AD026	STEPHIN LIJI		
27	VML20AD027	THAHA MUHAMMED YASEEN		
28	VML20AD028	THALHAH ANAS		
29	VML20AD029	VAIBHAV RAJESH		
30	VML20AD030	VAISHAKH P		
31	VML20AD031	VISHNUPRIYA N		
32	LVML20AD032	HARSHA M		

Add-on course Report S6 ADS

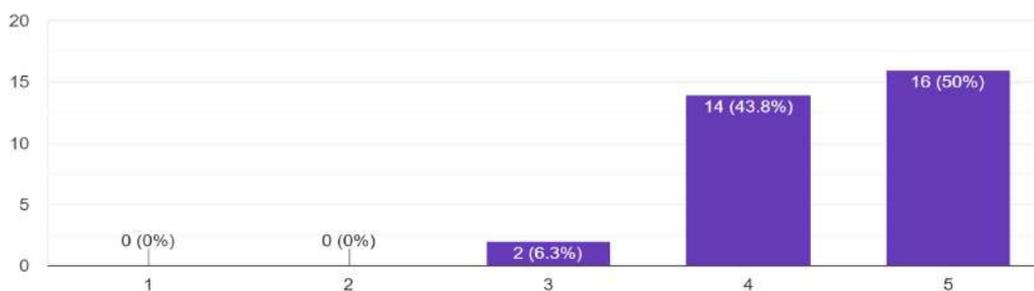According to you, how relevant wa

32 responses
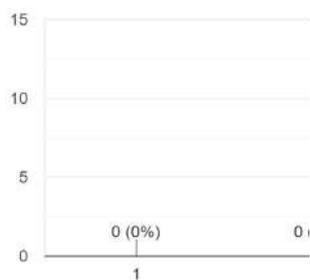
2.

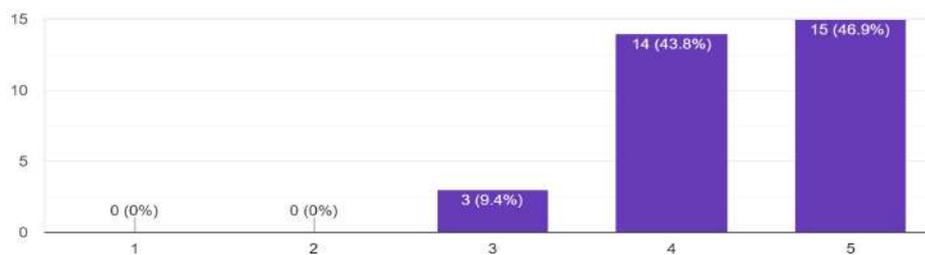Interested to attend similar sessions.

32 responses
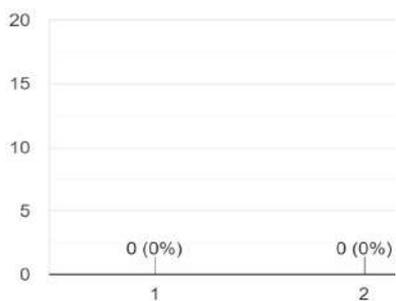

3.

Overall rating of the course.

32 responses
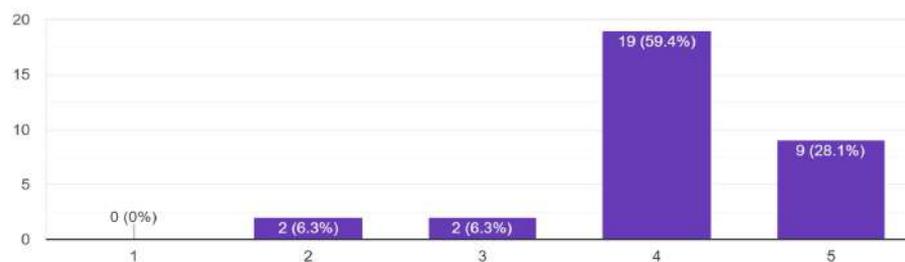

4.

Rate the knowledge of the resource pe
32 responses

5.

How well did the course prepare you to apply the knowledge of mathematics, science, engineering
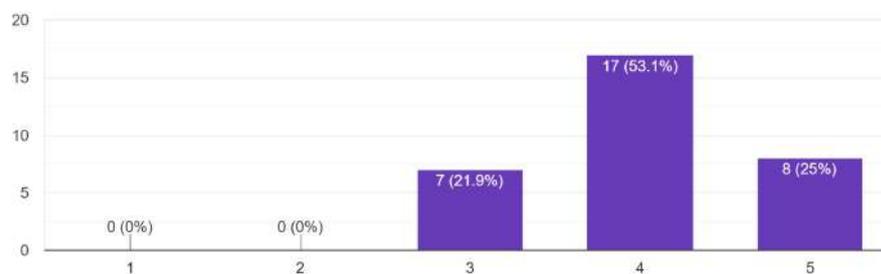Fundamentals, and an engineering specialization to the solution of complex engineering problems.
32 responses

6.

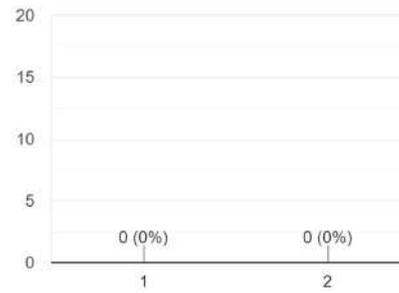How well did the course prepare you to analyze and design complex deep learning systems?
32 responses

7.

Add-on course Report S6 ADS

How well did the course prepare you to des
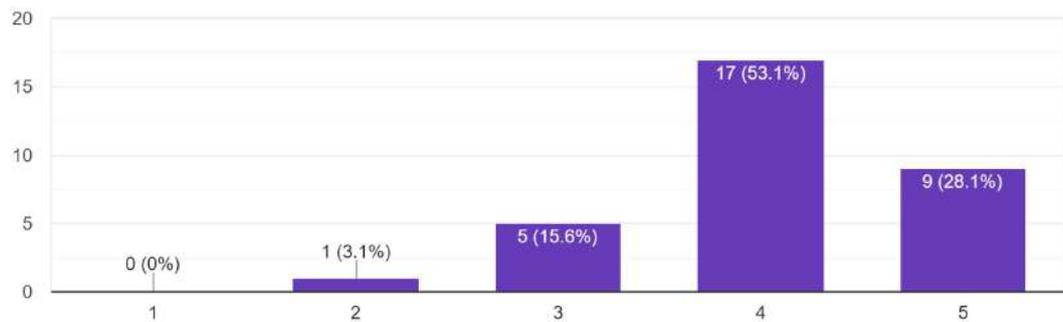using apply deep learning?
32 responses

8.

How well did the course helps you to conduct Investigations of Complex Problems?
32 responses

9.

Did the session make you aware of any modern tools used in machine learning?
32 responses
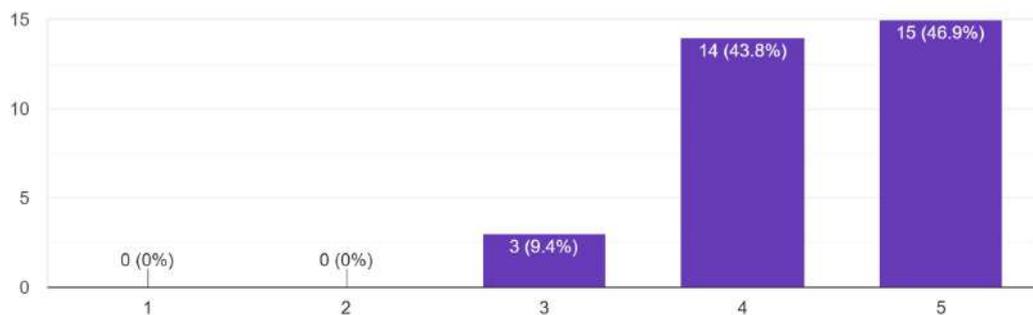
10.

How well did the course prepare you to col
development and deployment of deep lea
32 responses
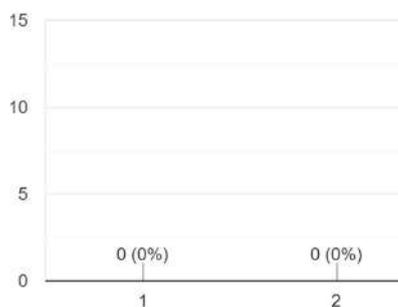
11.

How well did the course prepare you to understand the impact of the professional engineering solutions in societal and environmental contexts, ...owledge of, and need for sustainable development?
32 responses
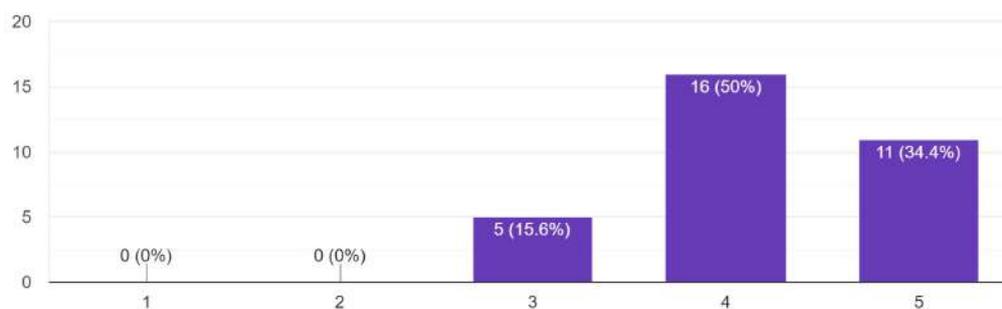
12.

How well did the course prepare you to identify and address ethical and social issues related to deep learning applications?
32 responses
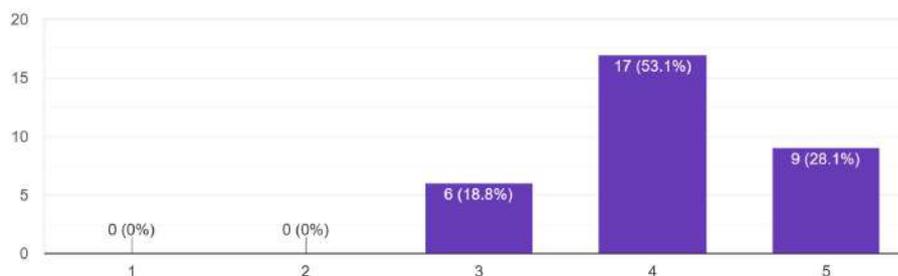
13.

How well did the course projects prepare
member or leader in diverse teams, and ir
32 responses
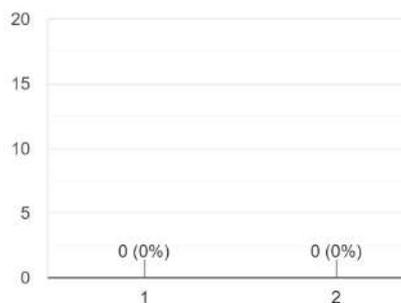
14.

How well did the course develop your communication skills, including the ability to effectively convey complex deep learning concepts and results?
32 responses

- Yes
- No

96.9%
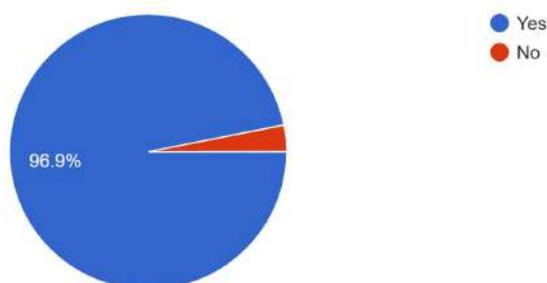
15.

How well did the course projects helps you to demonstrate knowledge and understanding of the engineering and management principles and apply th...e projects and in multidisciplinary environments.
32 responses
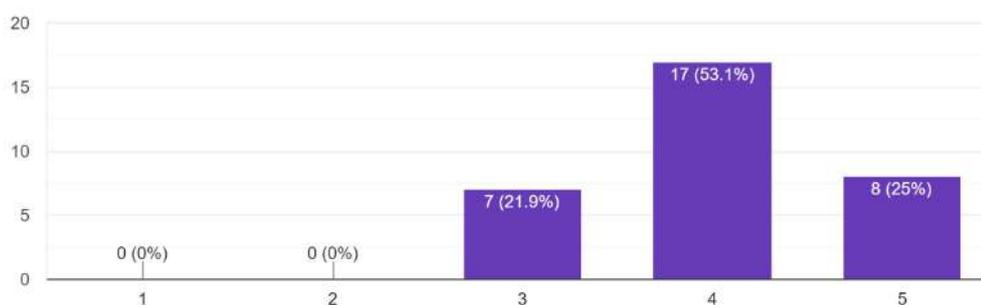
16.

How well did the course projects help
ability to engage in independent and li
32 responses
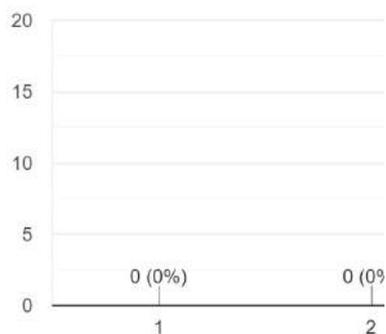
17.

How well did the course improve your ability to apply the principles of computing theory and
algorithms with proficiency in Artificial Intelligen...he real-world problems and challenges of the future?
32 responses
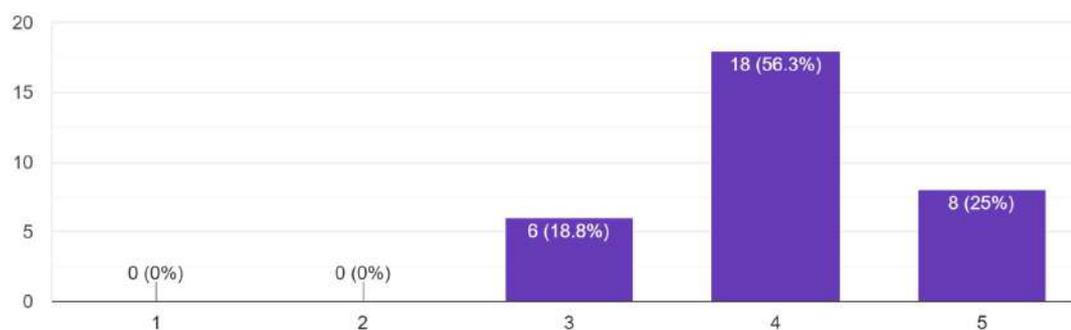
18.

How well did the course improve your ability to demonstrate interdisciplinary skills with sound
knowledge in the principles of Artificial Intelligen... develop quality products meeting global standards.
32 responses
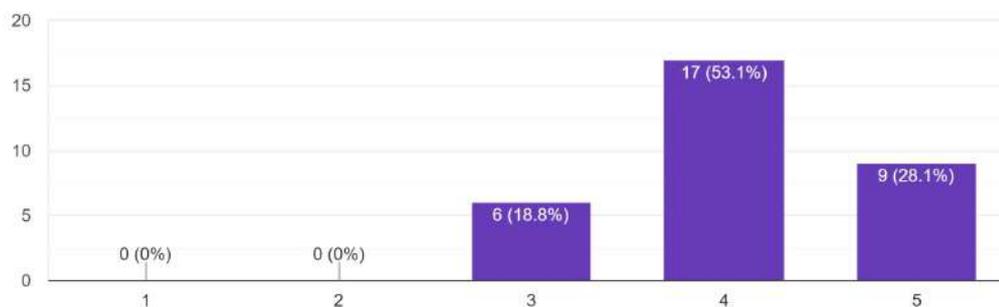
Sample Certificate

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

CERTIFICATE OF PARTICIPATION

This is to certify that *Rose Benny* of Sixth Semester B.Tech Artificial Intelligence and Data Science, had participated in an add-on course on "Deep Learning - A Real World Approach" from 29th March 2023 to 02nd April 2023.

Dr.Manoj V Thomas
Convenor

Dr.Benny Joseph
Principal

Snippets

Add-on course Report S6 ADS

Event proposal form

1	Event type and name	ADD ON Course **ADEC801 Conceptual study of Data Science**
2	Date and time	March 1, 2023 to March 5, 2023
3	Participants/ audience	Semester 8 ECE Students
4	Venue	Research lab, ECE
5	Objectives	To apply quantitative modeling and data analysis techniques to the solution of real-world business problems To effectively present results using data visualization techniques.
6	Expected outcomes	Students will be able to 1. Apply quantitative modeling and data analysis techniques to the solution of real-world business problems 2. Effectively present results using data visualization techniques.
7	Connected PO/PSO	PO- 1,5,12, PSO- 1
8	Resource requirements	PC/Laptops
9	Any other relevant information	Resource person: Mr. Sarin C R Chief Resource Person AltGrades Kochi. Remuneration: 27000/-
10	Responsible persons	Staff coordinators: Dr Jayesh George M, Ms. Shimna P K, Ms. Sudharshana Vijayan Convenor: Dr Anto Sahaya Dhas D Professor & HOD, Dept. of CSE

Proposal prepared by
Dr Jayesh George M

Recommended by
Dr Anto Sahaya Dhas D

ADEC801 Conceptual study of Data Science

For Semester 8 ECE Students

Aim: Provide Insights About the Roles of a Data Scientists, Learn Techniques and Tools for Transformation of Data Learn and Data Visualization and Optimization

Learning Objectives

Students who have completed the Add on Course in Data Science Program will be able to:

Apply quantitative modeling and data analysis techniques to the solution of real-world business problems and effectively present results using data visualization techniques.

Curriculum Prepared by

Dr. Jayesh George M

Ms. Shimna P K

Ms. Sudharshana Vijayan

Day I - Python Fundamentals

9.00 - 11.00	Career Prospectus in Data Science Python Basics - IO Statements
11.00 - 01.00	Lists, Strings, Tuples, Sets and Dictionary
2.00 - 4.00	Numpy and Statistics Github and Digital Resume

Day II - AI with Python

9.00 - 11.00	Pandas
11.00 - 01.00	Data Analytics
2.00 - 4.00	Plotting with Python

Day III - Advanced Data Science and Projects

9.00 - 11.00	AI with Python and Regression
11.00 - 01.00	Clustering and Classification
2.00 - 4.00	Hands on Project

Day IV- Advanced Data Science and Projects

9.00 - 11.00	Introduction to SQL
11.00 - 01.00	How to face interview questions for Data Science - SQL Case study
2.00 - 4.00	Hands on Project

Day V - Advanced Data Science and Projects

9.00 - 11.00	Power BI
11.00 - 01.00	Hands on Project
2.00 - 4.00	Hands on Project

Budget

30,000 INR +GST (18%) = 35400/-

Possible Certifications
1. https://cognitiveclass.ai/learn/data-science-with-python
2. https://cognitiveclass.ai/learn/data-science

References :
1. TCS : https://www.linkedin.com/jobs/view/data-analyst-python-sql-at-tata-consultancy-services-3392828701/?originalSubdomain=in
2. Wipro : https://www.instahyre.com/job-122440-data-scientist-at-wipro-bangalore/
3. Sutherland : Id=3427437927&originalSubdomain=in
4. https://www.linkedin.com/jobs/data-visualization-specialist-etl-python-power-bi-jobs/?currentJob
5. https://www.linkedin.com/jobs/search/?currentJobId=3409403361&f_E=2&geoId=102713980&keywords=data%20analyst&location=India&originalSubdomain=in&refresh=true&sortBy=R

Tutor   HoD   Principal

VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI
DEPARTMENT OF ECE

Report on ADD ON Course

ADEC801 CONCEPTUAL STUDY ON DATA SCIENCE

A five-day workshop on Conceptual Study on Data Science was conducted for S8 ECE students from 1st March to 5th March of 2023. It was conducted at Advanced Communication Lab, ECE Department.

The session was handled by Dr. Sarin C R (Academic Manager and SME (Data Science)). About 61 students attended this session. Major topics discussed were Basics of Python, SQL and Microsoft Power BI. Also several websites were introduced which included github, datalemur, LinkedIn, etc.,for future job opportunities. He encouraged us to attend a Cognitive AI test which is related to the topics that he had covered to attain a certificate that can help us upgrade our profile.

The session was very useful and informative. A good response was put forward by the students and they are eager to know more about this and wanted more sessions like this in future.

1

PHOTOS

Report Prepared by
Ms. Shimna P K
Faculty Advisor

2

CERTIFICATE

THE FOLLOWING CERTIFICATE IS GIVEN TO

NAYANA SAJI

FOR SUCCESSFUL COMPLETION OF ADD ON COURSE OF 30 HOUR
ADEC801 CONCEPTUAL STUDY OF DATA SCIENCE

Dr Anto Sahayadhas
Head of Department

Dr.Benny Joseph
Principal

VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI, KANNUR

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION

Sl No.	Date	Event Name	Event Type	Resource Person(s)	Co-ordinators	Targeted Audience	Connected PO/PSO
				2022-2023			
1	28/2/23-4/3/23	Add- on course on Machine Vision and Artificial Intelligence in Robotics	Add on course	Srishti Robotics Technologies Pvt Ltd	Mr. Shinu M M & Ms. Jinsa Mathew	S8AEI Students	PO1, PO2, PO3, PO4, PO5, PO12
2	13/3/2023 to 17/3/2023	Add on course –System Design using Arduino	Add on course	Progressum Edutech Pvt Ltd	Ms.Reshma K V,Mr.Shinu M M	S4AEI & S6AEI Students	PO1, PO2, PO3,PO4,
5	9/11/22 - 11/11/22	workshop in PLC and SCADA	Workshop	K.Ilanchezhian,Manager-Technical,Shree Technologies Pvt. Ltd	Mr.Dhanoj M & Ms. Shamya A	AEI Students	PO1,PO2,PO3,PO7,PO9
				2020-2021			
3	28/07/2021	Webinar on Digital Marketing	Webinar	Avinash P, Senior SEO Specialist, mDrift Technologies	Shamya A		
4	19/3/2021to 21/3/2021	Introduction to Deep Learning	Workshop	Trainers from Bitsforge	Mr.Dhanoj M	4 th year	PO - 1, 5, 11, 12
5	13/3/2021	Industrial robotics	Workshop	Dr.Sunil Paul, Srishti Robotics Technologies	Ms.Jinsa Mathew	2 nd year	PO - 1, 5, 9, 11, 12
6	23/11/2020-	Knowledge based control system design	Workshop	Dr.G Glan Devdhas	Ms.Reshma K V		
7	25-10-2020	PCB design and implementatio n	Workshop	Mr.Shinu MM	Mr.Dhanoj M		
8	23/10/2020 to 25/10/2020	LabView Based Data acquisition system	Workshop	Mr.Asif Ali	Mr.Shinu MM		
9	21-09-2020	Introduction to PLC and SCADA	Workshop	Trainers from Sree Technologies	Ms.Jinsa Mathew	4 th year	PO-5, 9, 12, POS 1, 2
13	14/08/2020	SCADA Introductory Movicon 11	Demonstration/ Worksho p	Mr.Nagendran Dhandapani, SCADA – Lead. Automation Combine	Shinu MM		
				2019-2020			
5	03-09-2020	Arduino Programming	workshop	Mr.Shinu M M,Assistant Professor ,Department Electronics & Instrumentation Engineering,Vimal Jyothi Engineering College	Ms.Jinsa Mathew	S2AEI Students	PO1,PO2,PO5,PSO 1,PSO2
6	02-07-2020	Industrial Robotics	workshop	Mr. Sunil Paul,Associate Professor.ME Dept.,Vimal Jyothi Engineering College	Ms.Divya K & Ms.Jinsa Mathew	S8AEI Students	PO1,PO2,PO5,PSO 1,PSO2
7	30/11/2019	Innovation challenge 2K19	Competition	E& I Department,Vimal Jyothi Engineering College	Dr. G. Glan Devadhas	Higher Secondary Students	PSO 5 to PSO12
8	24/10/2019 - 25/10/2019	Industrial automation Using Arduino and Raspberry pi	workshop	Trainers of Bits Forge ,Cochin	Ms.Shamya A	S3 & S5 AEI Students	PEO1,PEO3, PO1,PO2,PO3,PO5, PO7,PO9,PO12,PS O1,PSO2
				2018-2019			

11	30/3/2019	Technical Fest [INSTRUS-19]	Competition	E& I Department,Vimal Jyothi Engineering College	Mr.Clint Augustine	AEI Department	PO1,PO2,PO5,PO9, PO10,PO11,PSO1,P SO2
12	01-12-2019	Navayuva contest com career Guidance	Competition and Seminar	E& I Department,Vimal Jyothi Engineering College	E&I DEPARTMENT	Higher Secondary Students	
13	18/6/2018-22/6/2018	one week training program on C- Programming and Python	workshop	Mr.Mohammed Zain,Trainers of Bits Forge ,Cochin	Mr.Shinu M M, Ms.Sudharsana Vijayan , Ms.Achala Prasad	S2AEI Students	PO1,PO2,PO3,PO5, PO7,PO9,PO12,PO PSO1,PSO2
14	09/07/2018-13/07/2018	one week training program on ARM embedded systems	workshop	Mr.Mohammed Zain,Trainers of Bits Forge ,Cochin	Ms. Divya K Vinod, Mr.Dhanoj M	S4AEI Students	PO3, PO5, PO9, PO11, PO12,PSO1,PSO2
15	09-08-2018	Workshop on Fundamentals of Network Theory	workshop	Ms Achala Prasad & Mr Shinu M M	Ms Achala Prasad & Mr Shinu M M	S3AEI Students	PO3, PO5, PO9, PO11, PO12,PSO1,PSO2

2017-2018

16	02-03-2018	Workshop on C Porgramming	workshop	Ms. Derrol David	Ms.Sangeetha S G	S4AEI Students	PO3, PO5, PO9, PO11, PO12,PSO1,PSO2
17	03-02-2018	Technical EXPO [INSTRUS-2K18]	Competition	E& I Department,Vimal Jyothi Engineering College	Mr.Clint Augustine & Ms. Achala Prasd	AEI Department	PO1,PO2,PO3,PO5, PO7,PO9,PO12,PS O1,PSO2
18	24/03/2018	Workshop on Python Programming	workshop	Mr. Vipin Mathew,Trainers of Bits Forge ,Cochin	Ms.Sangeetha S G	S4AEI	PO5, PO6, PO7, PO8, PO9,PO11, PO12, PSO1, PSO2
19	05/02/2018-06/02/2018	Workshop on IOT	workshop	Mr.Mohammed Zain, Trainers of Bits Forge ,Cochin	Ms. Divya K Vinod, Ms.Shalet K S	S4 & S6 AEI	PO3, PO5, PO9, PO11, PO12,PSO1,PSO2
20	23/11/2017-25/11/2017	Workshop on Knowledge Based Control System Design using MATLAB	workshop	Dr. G. Glan Devadhas & Ms. Sudharsana Vijayan, E& I Department,Vimal Jyothi Engineering College	Dr. G. Glan Devadhas Mr. Muhammed Jishad& Ms. Sudharsana Vijayan	S5AEI	PO5, PO6, PO7, PO8, PO9,PO11, PO12, PSO1, PSO2
21	19/10/2017-20/10/2017	Workshop on Open Source Tools for Artificial Intelligence Machine Learning	workshop	Mr. Bileesh P Babu	Ms. Shamya A & Mr.Muhammed Jishad	S7AEI & M.Tech	PO 5, PO6, PO7, PO8, PO9,PO11, PO12, PSO1, PSO2
22	13/10/2017-14/10/2017	Workshop on LABVIEW Based Data Acquisition System	workshop	Mr. Asif Ali	Mr.Clint Augustine & Ms. Shamya A	S7AEI & M.Tech	PO 3, PO5,PO9,PO11, PO12,PSO1,PSO2
23	26/09/2017-27/09/2017	Workshop on PCB Design & Implementation	workshop	Mr. Shinu M M, E& I Department,Vimal Jyothi Engineering College	Ms.Divya K , Ms.Jinsa Mathew & Ms.Reshma K V	S3AEI	PO 3, PO5,PO9, PO11, PO12,PSO1,PSO2
24	19/09/2017-21/09/2017	Workshop on Arduino programming	workshop	Mr. Shinu M M, E& I Department,Vimal Jyothi Engineering College	Ms.Achala Prasad ,Ms.Elizabath	S5AEI	PO3, PO5,PO9, PO11,PO12,PSO1,P SO2
25	19/07/2017	Awareness Program on Instrumentation Maintenance & DCS	workshop	Mr.Anil P	Ms.Sudharsana Vijayan	S1 AEI	PO 3, PO5,PO9, PO11, PO12,PSO1,PSO2

VIMAL JYOTHI ENGINEERING COLLEGE CHEMPERI

DEPARTMENT OF ELECTRONICS &
INSTRUMENTATION ENGINEERING
ADD-ON COURSE ON MACHINE VISION & ARTIFICIAL INTELLIGENCE IN ROBOTICS

Duration:28.02.2023 to 04.03.2023

Department of electronics & instrumentation successfully conducted an Add-on course on Machine Vision and Artificial Intelligence in Robotics in In association with Srishti Robotics Technologies Pvt Ltd, from 28th February 2023 to 4th March 2023.. The program was organized for Final Year Applied Electronics and Instrumentation Engineering Students.

The Program was Inaugurated by Dr. G Glan Devadhas, Vice Principal, HOD EIE on 28th February 2022. Final year students and all faculties of the department were present in the inauguration function. Mr. Shinu M M, AP EIE delivered the welcome address and Ms. Jinsa Mathew, AP EIE, delivered the vote of thanks.

Vimal Jyothi Engineering College, Kerala, Signed MoU with Srishti Robotics Technologies Pvt Ltd. for development of Engineering Students.

The Program was scheduled for 5 days, with the following lesson plan.

28.2.2023

DAY 1 : Python programming Fundamentals

○ Variables, data types, conditions.

○ Functional programming

○ Python Exceptions Handling

○ Graphical user interfaces.

01.03.2023

DAY 2 : Getting started with Machine Vision

○ Machine Vision Introduction

○ OpenCV overview

○ Different color spaces and conversion

○ Different morphological processing operations

02.03.2023

DAY 3 : Object Detection and Tracking

○ Movement Detection

○ Detecting coloured objects

○ Contours

○ Track and count coloured objects

03.03.2023

DAY 4 : Artificial Intelligence

○ Fundamentals of AI

○ Advanced AI libraries for Vision

○ Version control and source code management

04.03.2023

DAY 5 : Capstone Projects

Photographs

Chemperi, Kerala, India
3HX6+4J3, Chemperi, Kerala 670632, India
Lat 12.097483°
Long 75.561181°
03/03/23 02:02 PM GMT +05:30
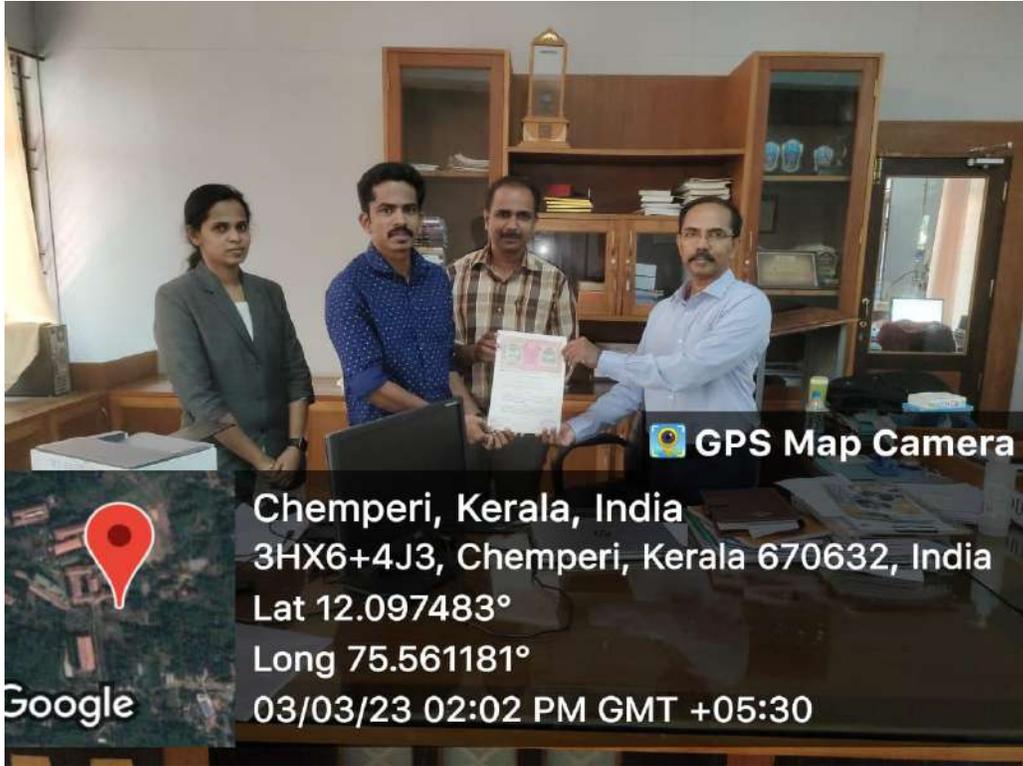
Mar 1, 2023, 15:40

Mar 1, 2023, 15:37

Model Certificate

Curriculum

Module 1: Python programming Fundamentals

○ Variables, data types, conditions.

○ Functional programming

○ Python Exceptions Handling

○ Graphical user interfaces.

Module 2: Getting started with Machine Vision

○ Machine Vision Introduction

○ OpenCV overview

○ Different color spaces and conversion

○ Different morphological processing operations

Module 3 : Object Detection and Tracking

○ Movement Detection

○ Detecting coloured objects

○ Contours

○ Track and count coloured objects

Module 4 : Artificial Intelligence

○ Fundamentals of AI

○ Advanced AI libraries for Vision

○ Version control and source code management

Module 5 : Capstone Projects

Assessment procedures

1. On the fifth day of the Add-on course, Group Vice Projects are created and evaluated. The projects lists are
   a. Face detection using python
   b. Object detection using python
   c. Video capturing using python
   d. Pattern creation
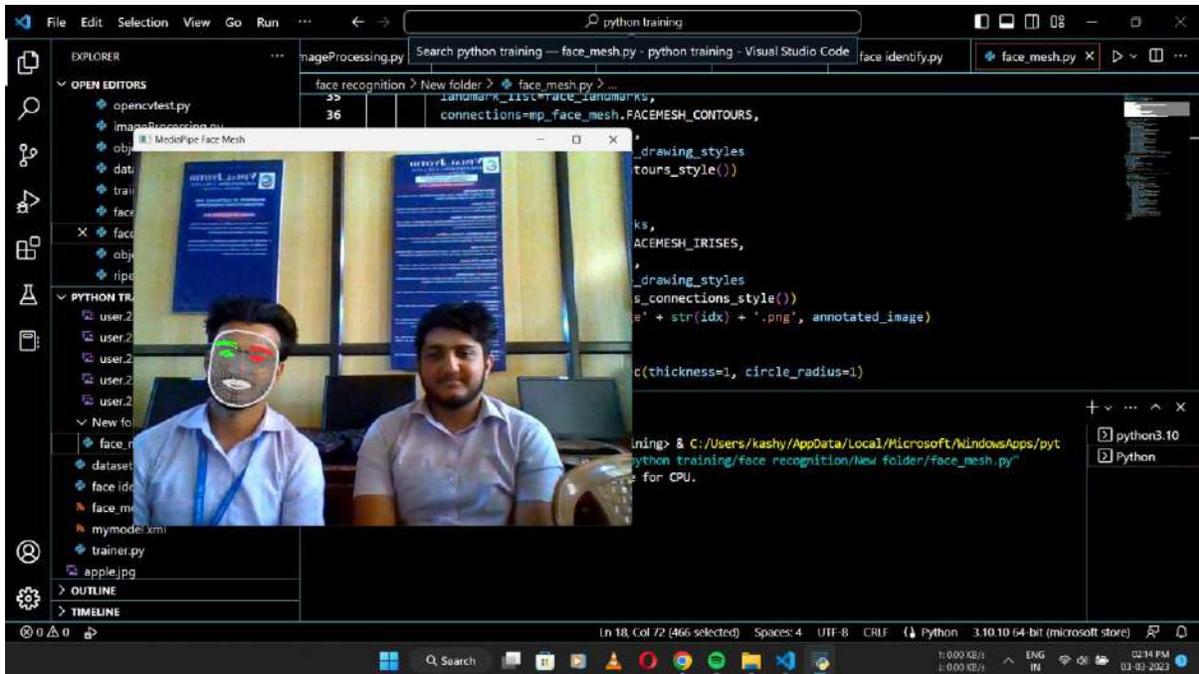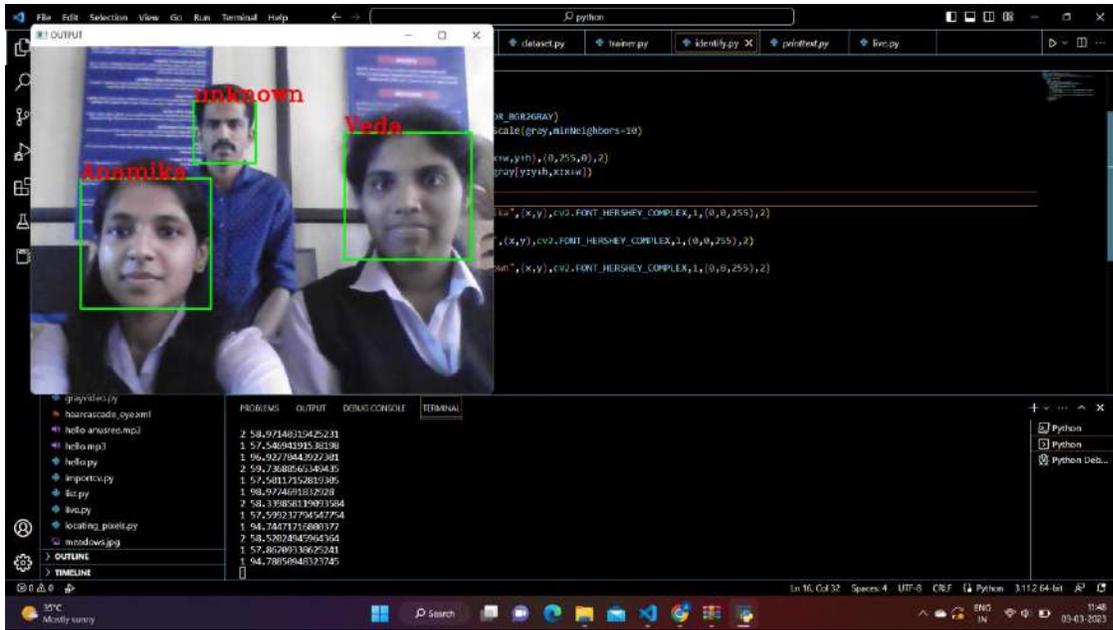
ATTENDANCE:

DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING
ADD ON COURSE - MACHINE VISION & ARTIFICIAL INTELLEGENCE IN ROBOTICS
ATTENDANCE SHEET

Sl. No	Name of Student	28.02.2023 FN	28.02.2023 AN	01.03.2023 FN	01.03.2023 AN	02.03.2023 FN	02.03.2023 AN	03.03.2023 FN	03.03.2023 AN	04.03.2023 FN	04.03.2023 AN
1	Dileep C										
2	Adwaith Pradeep	—	—	—							
3	Aijo John										
4	Anamika C										
5	Anjo Mathew										
6	Anusree K										
7	Aswin J Prasad										
8	Aswin Thomas										
9	Devaprakash										
10	Ibin P B										
11	Joyel Joseph	—									
12	Justin George										
13	Kashyap K										
14	Mohammed Raheel										
15	Nashla K P			—	—	—	—	—			
16	Paulson Edwin Kannoth Parambil			—	—	—	—	—			
17	Prabin Baby				AB						
18	Salvin Jose K										
19	Sreehari T V										
20	Veda K C										

Coordinator:

Mr. Shinu M M, AP EIE & Ms. Jinsa Mathew, AP EIE.

DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING

ADD-ON COURSE ON SYSTEM DESIGN USING ARDUINO

Duration: 13.3.2023 to 17.3.2023

1

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

DEPARTMENT OF
ELECTRONICS & INSTRUMENTATION ENGINEERING

ADD-ON COURSE

On

System Design Using Arduino

Venue: Research lab AEI

Date: 13/03/2023 to 17/03/2023

COURSE CODE: ADEI402

Course duration: 5 days (30 hours)

In association with

Progressum Edutech Pvt.Ltd

FOR

Second & Third Year Applied Electronics and Instrumentation Engineering Students

Convener: Dr.G.Glan Devadhas, Professor, HOD AEI

Staff Coordinators: Mrs.Reshma KV, Mr.Dhanoj M,
Mr.Shinu MM,
Assistant Professor , AEI

2

Department of electronics & instrumentation successfully conducted an Add-on course on System Design using Arduino in association with Progressum Edutech Pvt Ltd, from 13.3.2023 to 17.3.2023. The program was organized for Second &Third Year Applied Electronics and Instrumentation Engineering Students.

The Program was inaugurated by Dr. G Glan Devadhas, Vice Principal, HOD EIE on 13th March 2023. Second &Third year students and all faculties of the department were present in the inauguration function. Mr. Shinu M M, AP EIE delivered the welcome address and Ms. Reshma K V, AP EIE, delivered the vote of thanks.

Vimal Jyothi Engineering College, Kerala, Signed MoU with Progressum Edutech Pvt Ltd for development of Engineering Students.

The objective of the work shop is to prepare the students to use modern tools and techniques in Embedded C approach. The Program was scheduled for 5 days, with the following lesson plan.

Lesson Plan	
Day	**Plan**
13.3.2023	**Introduction** 　　Course Introduction 　　Hardware Overview 　　Download and Install the Arduino IDE 　　Arduino IDE and Sketch Overview 　　Understanding Arduino Syntax **Basics** 　　Understanding and Using Variables 　　Blink an LED 　　LED – Fading 　　digital Read() and Serial Port Communication 　　analog Read() and Serial Port Communications 　　Reading Analog Pins and Converting the Input Voltage 　　Fade an LED with Pulse Width Modulation using analogWrite()
14.3.2023	**Control** 　　If-Else Statement, Comparison Operators and Condition 　　For Loop Iteration

3

	How to Use Arrays
	Switch Case Statement and Using a Keyboard for Data Collection
	While statement
	LED
	    Blinking of LEDs
	    Fading of LED.
	    Circling of LEDs. (FOR loop)
	    Blinking of EVEN and ODD states of LEDs.
	    LED dice. Traffic light system. And many more projects

15.3.2023	**Analog**
	    Analog I/O and Serial Communications
	    Analog Input
	    Calibration
	    Smoothing Data
	Serial monitoring
	    Controlling of LEDs from your computer.
	    Reading analog and digital inputs.
	LCD displays
	    Wiring of LCD screen with Arduino.
	    Displaying a message in LCD screen.
	    Screen navigation on LCD.
	    Turn ON a LED by entering the password.
	    Knowing the status of the LED.
	    Scrolling of text.
	    Displaying room temperature using LM 35 temperature sensor

16.3.2023	**Digital inputs**
	    Controlling LED using push button.
	    Switching ON a relay.
	Seven segment display.
	    Simple automatic countdown and count up (FOR loop)
	    Increment or decrements a number by using push button
	Interfacing Other Modules
	    Projects using Relay
	    DHT 11 (Temperature and Humidity) Sensor
	    HCSR 04 Ultrasonic sensor
	    IR Module
	    Soil Moisture Sensor
	    Motor Driver
	    Seven segment LED
	    4*4 Keypad
	    Joystick
	    Different Projects using these modules Example : Automatic gate
	Automatic irrigation system Thermometer Home automation Etc

17.3.2023	**Analog inputs.**
	    Controlling of LEDs using a joystick.
	    Controlling a DC motor, PWM.

4

	Changing the brightness of LEDs using potentiometers
	Motor
	Controlling Motor with Joystick
	Indexing of motor
	Direction control of Motor
	Motor based Projects
	Synchronizing 2 Motors
	Simulation
	Other modules like
	GSM
	RFID
	Bluetooth etc

Connected PEOs/POs/Cos : PO1, PO2, PO3, PO4, PO5, PO12

Coordinator:

Mr. Shinu M M, AP EIE & Ms. Reshma K V AP EIE.

5

Participant's list

Sl.No	Reg:No.	NAME	13/3/2023	14/3/2023	15/3/2023	16/3/2023	17/3/2023
		Vimal Jyothi Engineering College, Chemperi,Kannur **DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING** **Add on course on System Design using Arduino** **Dates:13/3/2023 to 17/3/2023** **Attendance Sheet**					
1	VML21AE001	AIDA THOMAS	P	P	P	P	P
2	VML21AE003	ALEN JOHNS	P	P	P	P	P
3	VML21AE004	AMAL MANOJ EV	P	P	P	P	P
4	VML21AE005	ANAND SAJEEVAN	P	P	P	P	P
5	VML21AE006	ANURAG EV	P	P	P	P	P
6	VML21AE007	DEEPAK HARIDAS	P	P	P	P	P
7	VML21AE008	JASMINE PTK	P	P	P	P	P
8	VML21AE009	MERIN SAJI	P	P	P	P	P
9	VML21AE010	MUHAMMED AMAL ABDULLA	P	P	P	P	P
10	VML21AE011	MUHAMMED RAZEEN MP	P	P	P	P	P
11	VML21AE012	NOEL BIJU	P	P	P	P	P
12	VML21AE013	RONY SIBY	P	P	P	P	P
13	VML21AE014	SREENAV V	A	P	P	P	P
14	VML21AE015	STEPHIN K THANKACHAN	P	P	P	P	P
15	VML20AE002	Ajay Kp	P	P	P	P	P
16	VML20AE003	Akhil M A	P	P	P	P	P
17	VML20AE004	Akshar Mohan	P	P	P	P	P
18	VML20AE005	Akshay M	P	P	P	P	P
19	VML20AE006	Alan Sunny	P	P	P	P	P
20	VML20AE007	Alen Joe Prince	P	P	P	P	P
21	VML20AE008	Anargh K	P	P	P	P	P
22	VML20AE009	Aswin T S	P	P	P	P	P
23	VML20AE010	Aswin Vinod C	P	P	P	P	P
24	VML20AE011	Ayana Pv	P	P	P	P	P
25	VML20AE012	Dipuraj M	P	P	P	P	P
26	VML20AE013	Hirandeep T	P	P	P	P	P
27	VML20AE014	Joyal Saji	P	P	P	P	P
28	VML20AE015	Jude Jomon George	P	P	P	P	P
29	VML20AE016	Kevin Saji	P	P	P	P	P
30	VML20AE017	Kiran K V	P	P	P	P	P
31	VML20AE018	Mrinal C Pradeep	P	P	P	P	P
32	VML20AE019	Muhammed Sahl Mtc	P	P	P	P	P
33	VML20AE020	Revanth Pvk	A	P	P	P	P
34	VML20AE021	Tom Jessan	P	P	P	P	P
35	VML20AE022	Vyshnav K	P	P	P	P	P

6

Feedback from students

Add on Course-System design using Arduino   - Feedback Form

32 responses

Name of Student: Copy

32 responses
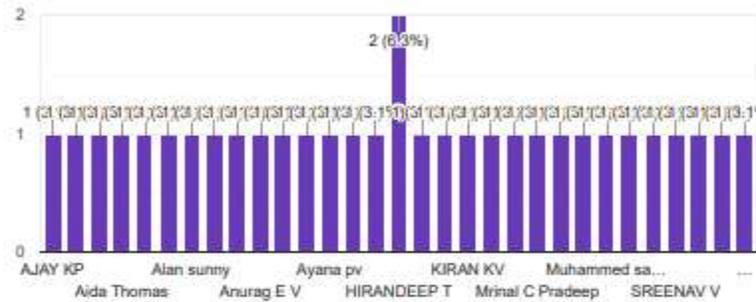
Email id: Copy

32 responses
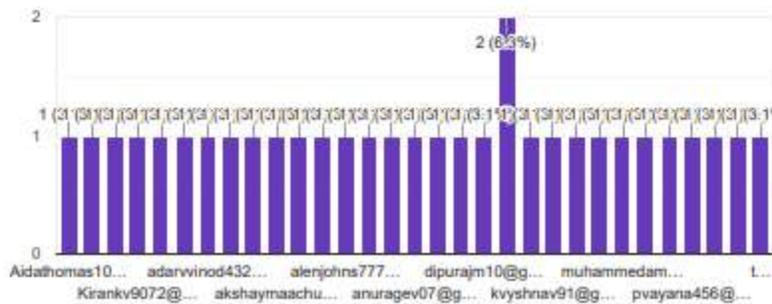
Register Number: Copy

32 responses

7

Class

32 responses

- ● S4 AEI
- ● S6 AEI

59.4%

40.6%
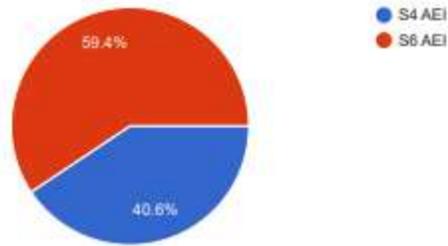
On a scale of 1 to 3 how do you rate the add-on course classes? 1 - Poor, 2 - Satisfactory, 3 - Excellent

32 responses

1 (3.1%) 2 (6.3%) 29 (90.6%)
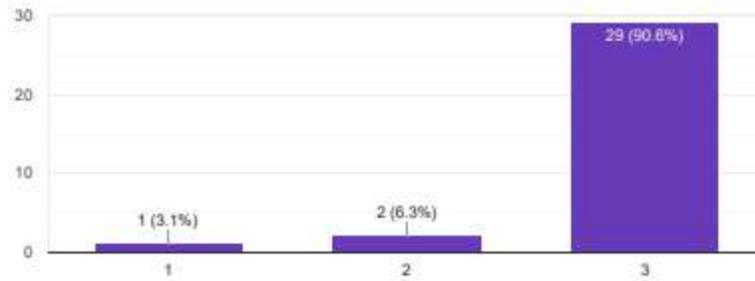
The software's and tools discussed during this event was relevant and met your curriculum gaps. (PO1, PO2, PO3, PO4, PO5) 1 - Poor, 2 - Satisfactory, 3 - Excellent

32 responses

0 (0%) 4 (12.5%) 28 (87.5%)

8
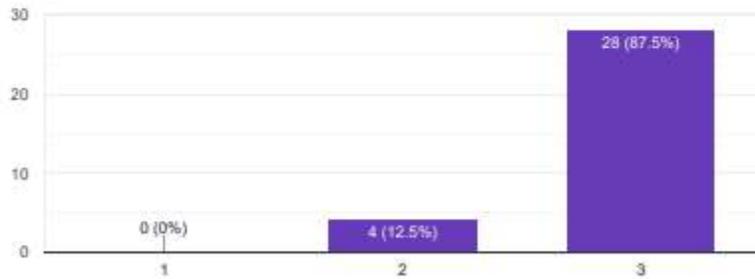
You got sufficient opportunity for exploring your creativity, technical skills [□ Copy] and improving your design ideas (PO3, PO4, PO5, PSO1, PSO2):1 - Poor, 2 Satisfactory, 3 - Excellent
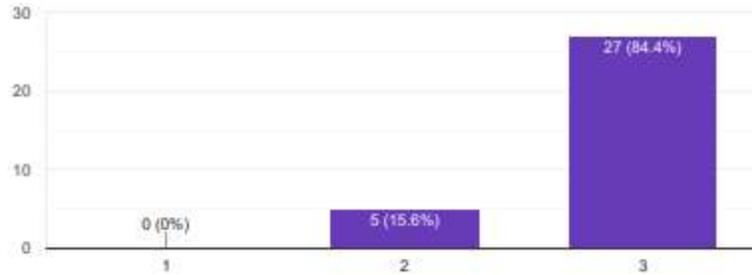
32 responses

The software tools helped you in designing and developing a [□ Copy] demonstrable project, which can be used in mechanical based industrial sectors. (PO5, PO12, PSO1, PSO2)::1 - Poor, 2 - Satisfactory, 3 - Excellent
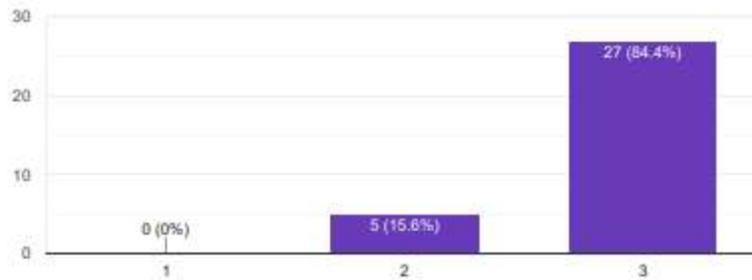
32 responses

Were you able to perform effectively as an individual and as a team, and [□ Copy] follow the instructions? (PO9, PO11, PO12) :1 - Poor, 2 - Satisfactory, 3 - Excellent

32 responses

9

Will the software's included in the add- on course able to contribute to the 🔲 Copy
society, modern engineering and global requirements? (PO3, PO5, PSO1,
PSO2):1 - Poor, 2 - Satisfactory, 3 - Excellent

32 responses

Will the software's included in the add- on course able to contribute to the 🔲 Copy
society, modern engineering and global requirements? (PO3, PO5, PSO1,
PSO2):1 - Poor, 2 - Satisfactory, 3 - Excellent
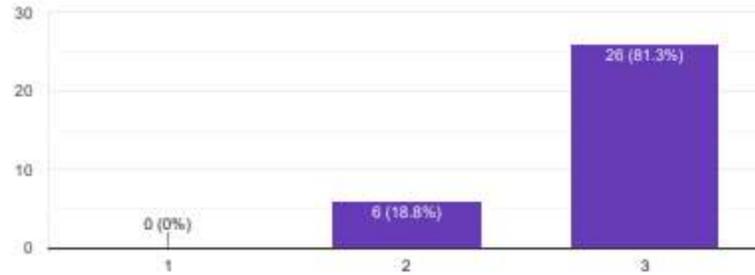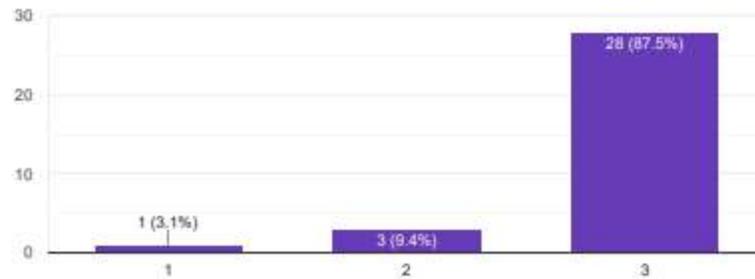
32 responses

What is your level of learning on Revit & Autodesk inventor after this add- 🔲 Copy
on course? (PO12) :1 - Poor, 2 Satisfactory, 3 - Excellent

32 responses

10
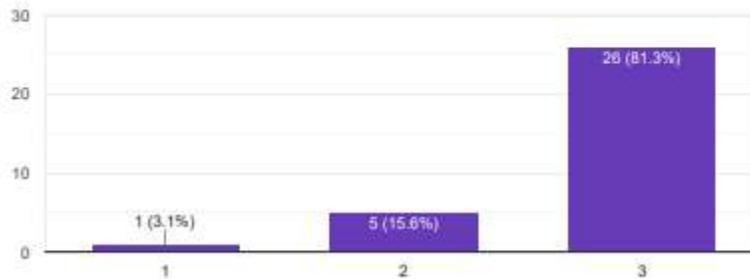
How would you rate the Resource Person ?

32 responses

- Very Good
- Good
- Averaga
- Poor

9.4%

87.5%
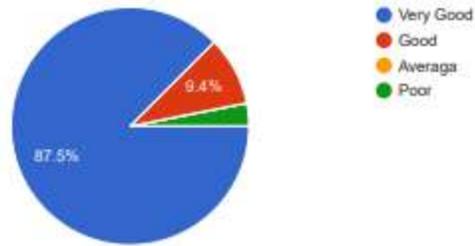
Whether the Resource Person were able to clarify your doubts?

32 responses

- Very Good
- Good
- Aversge
- Poor

90.6%

Do you prefer to have this kind of Course in the future?

32 responses

- Yes
- No
- Maybe

93.8%

Give overall rating to the Course

32 responses

- Very Good
- Good
- Average
- Poor

96.9%

11

How organized was this event?

32 responses

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

40.6%

59.4%
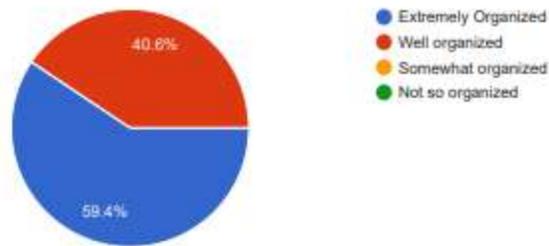
How helpful was the event?

32 responses

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

25%

75%
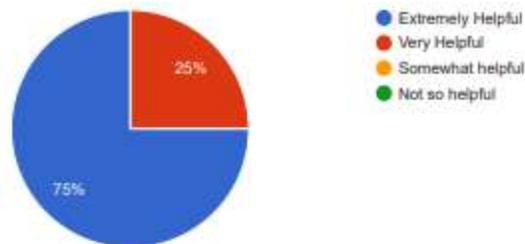
Your suggestions for improvements in upcoming Add-n courses:

12 responses

Include more practical sessions

The equipment used for the courses should be increased

.

Nice section

No

Nil

I need more events like this.This session was very nice.

.

Make single system to each students that will be more good

Try to have small group so that we can fully concentrate

Make sure about the availability of equipments

12

Photographs

13

Chemperi, Kerala, India
3HX6+59V, Chemperi, Kerala 670632, India
Lat 12.097912°
Long 75.561069°
13/03/23 10:09 AM GMT +05:30

Chemperi, Kerala, India
3HX6+59V, Chemperi, Kerala 670632, India
Lat 12.097872°
Long 75.560983°
13/03/23 09:24 AM GMT +05:30

14

15

Model Certificate

Certificate
— OF COMPLETION —

Congratulations

THIS CERTIFICATE IS PROUDLY PRESENTED TO:

Aida Thomas

in recognition of his/her hard work and dedication in completing
Add on Course on **System design using arduino**
organized by **Vimal Jyothi Engineering College**
in association with **Progressum Edutech Private Limited.**
During this period of **13th March 2023 - 17th March 2023**

Mr. Nandhakumar P R
Director
Progressum Edutech Pvt. Ltd

Assessment procedures

In the fifth day of the Add-on course, Group vice Projects are created and evaluated. The projects lists are

a. **Arduino RFID Smart Lock**
b. **Simple Arduino Alarm System**
c. **Arduino-Powered Temperature Controller**
d. **Traffic Light Controller**
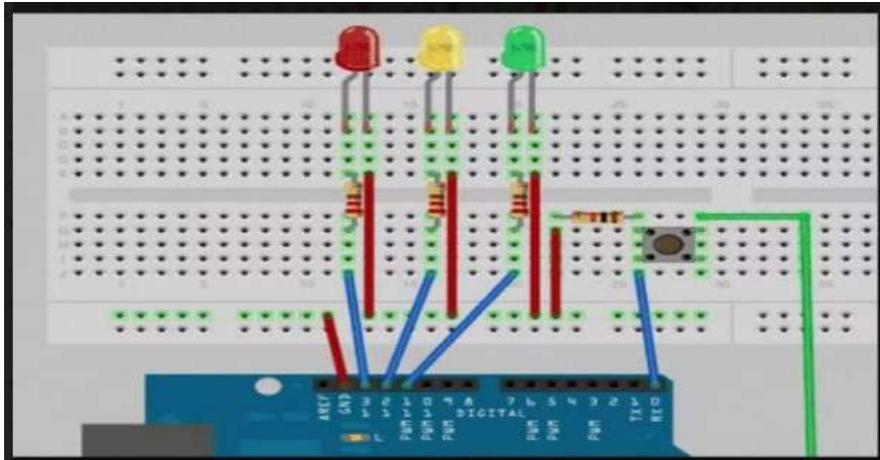
Project--Traffic Light Controller

16

WORKSHOP ON MODERN TOOLS FOR PROCESS CONTROL SYSTEM DESIGN

Trainer Name: Dr. G Glan Devadhas, HOD EIE
Date: 25 th February 2023

WORKSHOP ON MODERN TOOLS FOR PROCESS CONTROL SYSTEM DES ☐ ☆

Questions   Responses 25   Settings

25 responses   ☐ Link to Sheets   ⋮

Accepting responses ⬤

Summary   Question   Individual

Who has responded?

Email

adwaithappu1726@gmail.com

noelbiju12@gmail.com

muhammedsahl707@gmail.com

sreenavsree43@gmail.com

merinsaji313@gmail.com

kashyapsathyank@gmail.com

kvyshnav91@gmail.com

mhdrazeen217@gmail.com

joyeljoy85@gmail.com

adarvvinod4321@gmail.com

veda090202@gmail.com

ronysiby83@gmail.com

alenjohns777@gmail.com

aidathomas10@gmail.com

anamikagovar@gmail.com

ajaykp698@gmail.com

anarghk4@gmail.com

mrinalmilind744@gmail.com

mohammedraheel22@gmail.com

aswintsthalananiyil2003@gmail.com

deepakharidas90@gmail.com

amalmanoj596@gmail.com

anuragev07@gmail.com

alenjoeprince@gmail.com

judejomon2001@gmail.com

The curriculum/training outline provided an adequate foundation.
25 responses

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree
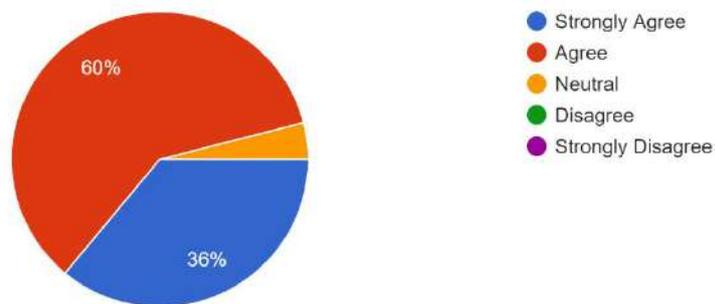
How would you think this event contributed to importance of lifelong learning.
25 responses

- Excellent
- Very Good
- Good
- Fair
- Poor
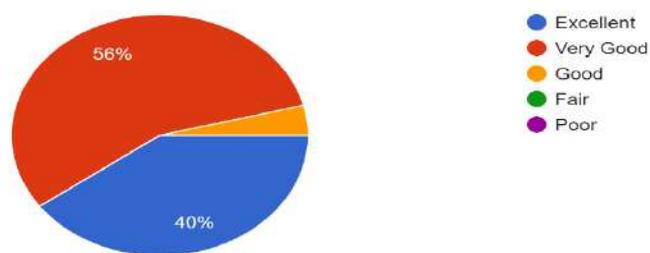
The training objectives for each topic were identified and followed.

25 responses

- ● Strongly Agree
- ● Agree
- ● Neutral
- ● Disagree
- ● Strongly Disagree
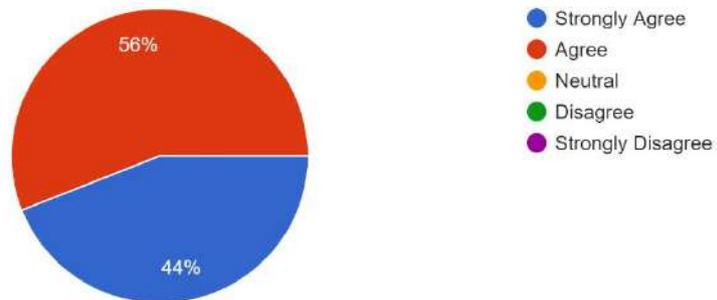
How this event was helpful in to you in understanding the responsibilities of a professional engineer to society.

25 responses

- ● Excellent
- ● Very Good
- ● Good
- ● Fair
- ● Poor
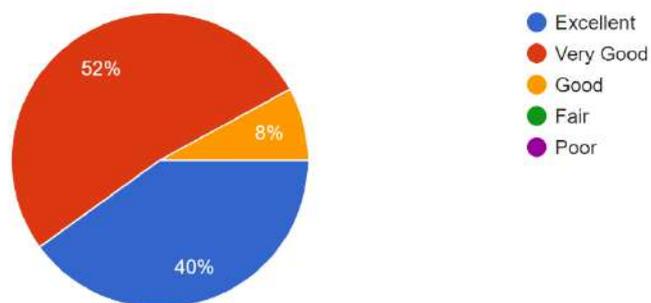
The trainer was knowledgeable about the training topics.

25 responses

- ● Strongly Agree
- ● Agree
- ● Neutral
- ● Disagree
- ● Strongly Disagree
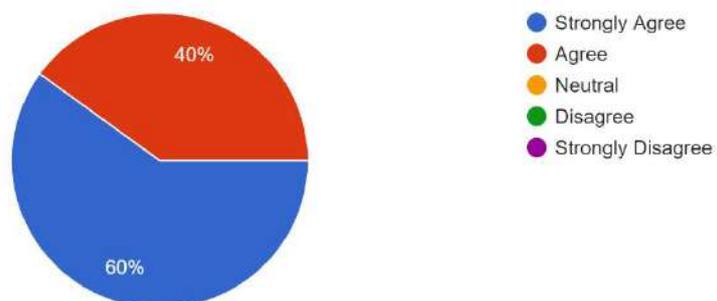
The quality of instruction was good.
25 responses
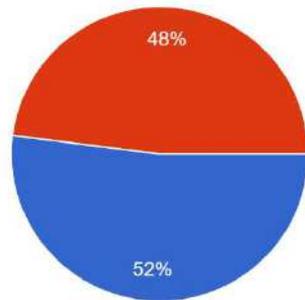
- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

48%

52%

Adequate time was provided for questions and discussion.
25 responses
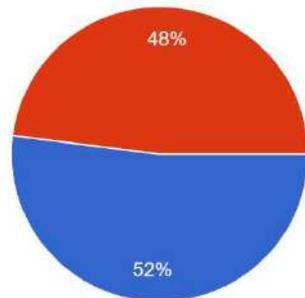
- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

48%

52%

How do you rate the training overall?Excellent
25 responses

- Good
- Average
- Poor
- Very poor

12%

88%
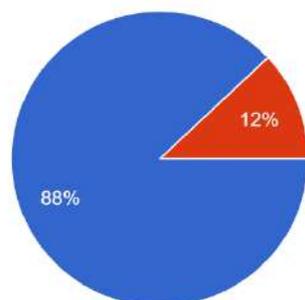
What aspects of the training could be improved?

25 responses
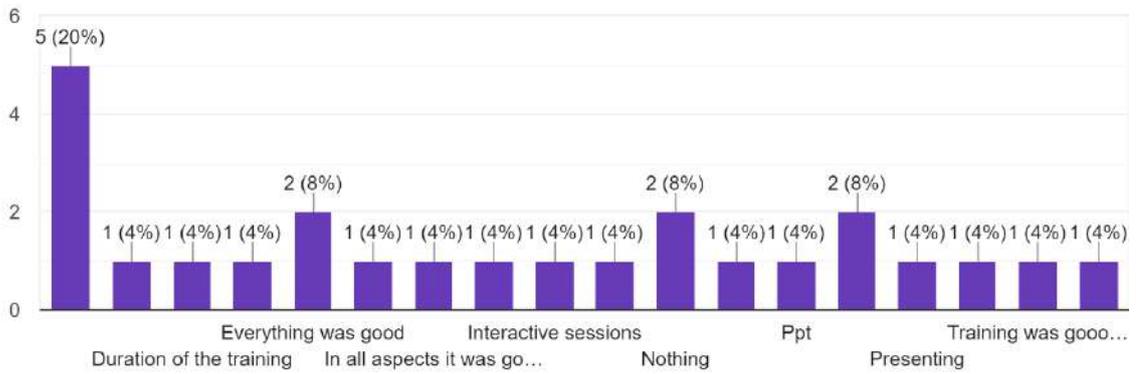
Please share other comments or expand on previous responses here:

25 responses
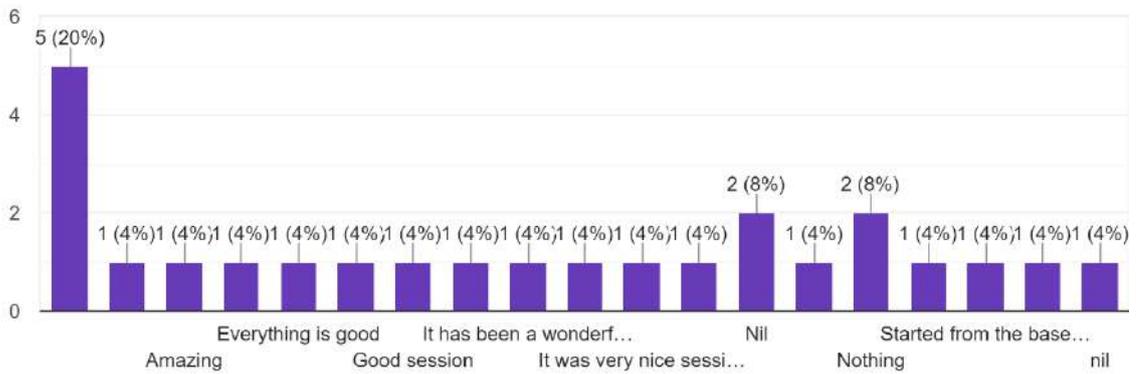
The quality of instruction was good.
23 responses

- ● Strongly Agree
- ● Agree
- ● Neutral
- ● Disagree
- ● Strongly Disagree

21.7%

78.3%
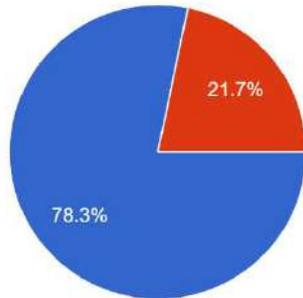
Class participation and interaction were encouraged.
23 responses

- ● Strongly Agree
- ● Agree
- ● Neutral
- ● Disagree
- ● Strongly Disagree

13%

87%
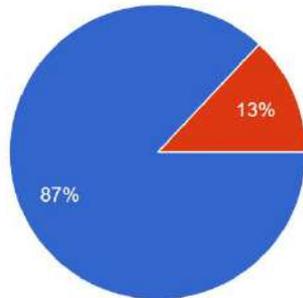
Adequate time was provided for questions and discussion.
23 responses

- ● Strongly Agree
- ● Agree
- ● Neutral
- ● Disagree
- ● Strongly Disagree

26.1%

73.9%
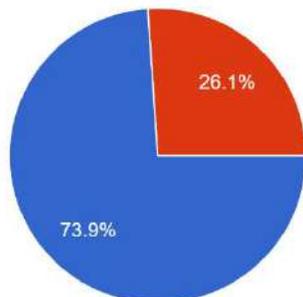
How do you rate the training overall?Excellent

23 responses

- Good
- Average
- Poor
- Very poor

91.3%

8.7%
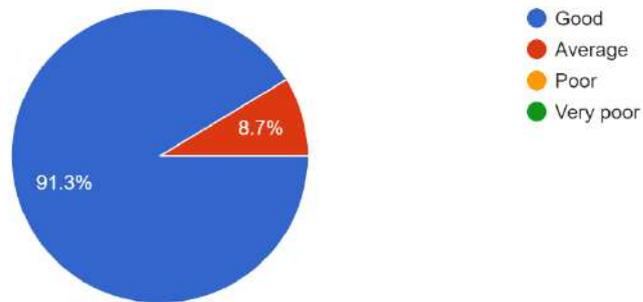
What aspects of the training could be improved?

6 responses

4 (66.7%) — Practical session
1 (16.7%) — Practical session can be more better
1 (16.7%) — Yes
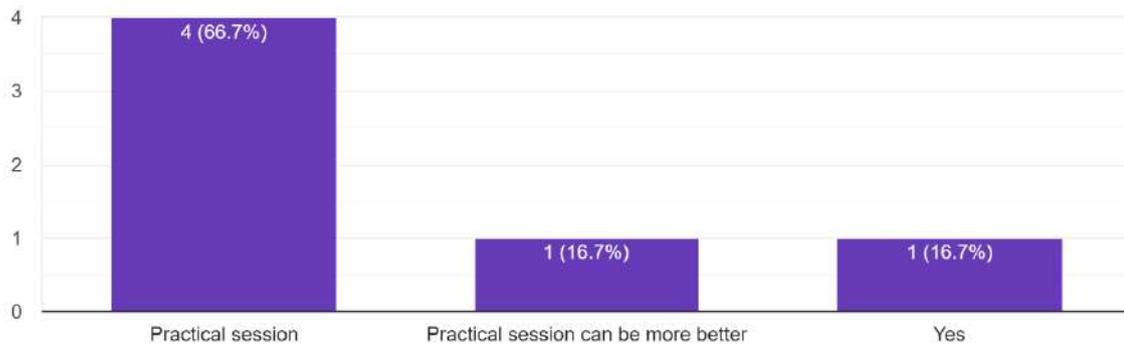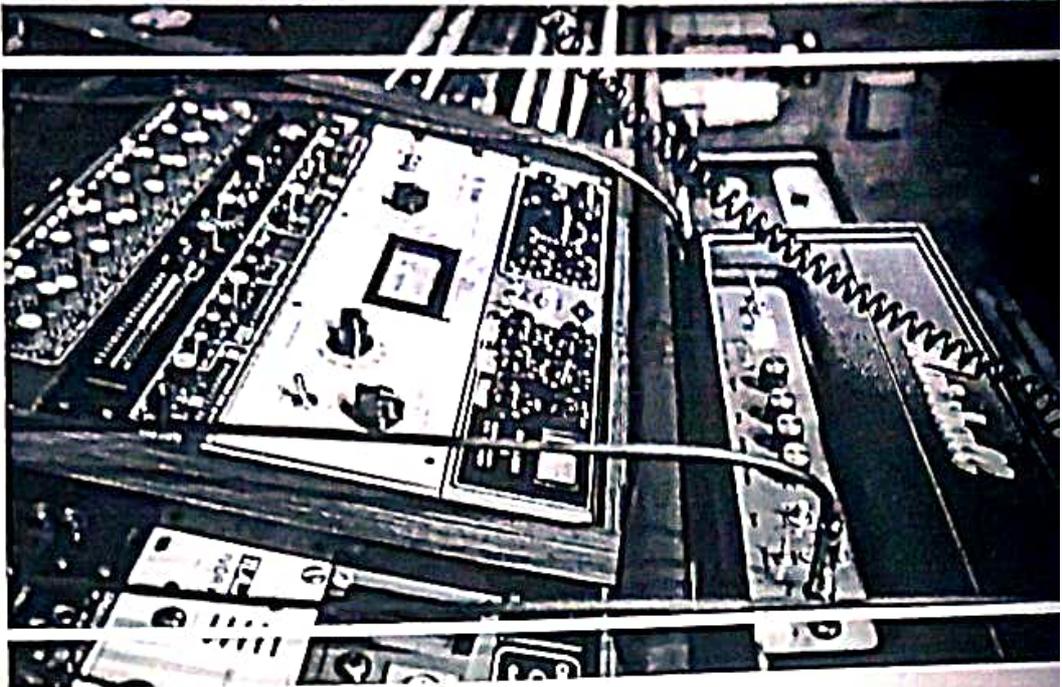
VIMAL JYOTHI
ENGINEERING COLLEGE

AND COMMUNICATION ENGINEERING

WORKSHOP ON AMPLIFIER CIRCUIT

14/05/2020

Resourse Person
Prof. Dinesh Babu,
GEC Kannur

Coordinator
Ms.Sudharsana Vijayan

VISION

TO BE A PACESETTER IN THE FIELD OF ELECTRONICS AND COMMUNICATIO ENGINEERING.

MISSION

TO PROVIDE QUALITY EDUCATION FOR THE STUDENTS IN THE FIELD OF ELECTRONICS AND COMMUNICATION ENGINEERING.

TO EDUCATE STUDENTS ABOUT PROFESSIONAL AND ETHICAL RESPONSIBILITIES AND TRAIN THEM TO BUILD LIFE SKILLS FOR THEIR CAREER DEVELOPMENT.

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

EVENT PROPOSAL FORM

1	Event type and Name	Workshop on amplifier circuits
2	Date and time	14-05-2020,11:00AM
3	Participants/audience	S3Students
4	Venue	Online Platform: Google Meet
5	Objectives	To give awareness about amplifier circuits
6	Expected outcomes	• Understand the concept and application of electronics & circuits.
7	Connected POs/PSOs	PO1, PO2
8	Justification for POs/PSO's	This workshop helps participants to aware about the amplifier circuits.
9	Resource requirements	Online Platform: Google Meet
10	Any other Relevant Information	**Resource Person** Prof. Dinesh Babu Proffessor GEC Kannur
11	Responsible Persons	**Faculty Coordinators** 1.Ms.Sudharshana Vijayan (AP,ECE) 2.Ms.Shimna P K (AP,ECE)
12	Department	Electronics and Communication Engineering

Proposal preparedby

Ms Sudharsana Vijayan

AP,ECE

Recommended by

Dr.AntoSahayaDhas

HOD,ECE

Workshop on amplifier circuits

The **Electonics and communication department** has conducted a "Workshop on amplifier circuits" in association with IETE Vimal Jyothi Chapter on 14-05-2020. The speaker Prof. Dinesh Babu, GEC Kannur. He explained about basic circuits of amplifier in Electronics. He has clarified various myths regarding the topics. Afterwards he briefed the session regarding amplifier circuits. The participants (both faculty and students) have opined that the session is highly benificial.

Vimal Jyothi engineering College

Dept of ECE

Workshop on amplifier circuits

Students Feedback

Timestamp	Username	Name of Student	How would you rate the overall webinar experience ?	Would you like to learn more about the topic?	Speaker's knowledge about the topic.	Rate the clarity of the contents in the slides and virtual aids.	Would you like to have more webinar regarding placement?	Additional comments
2020/05/14 12:	saviojosepdpp@gn	SAVIO JOSE	2	2	2	2	yes	
2020/05/14 12:	geethikarajeevan@	GEETHIKA. T						
2020/05/14 12:	swathilkv2000@gn	Swathi Lakshmi K V	2	2	2	2	yes	
2020/05/14 12:	sarangk015@gmai	SARANG K	2	2	2	2	yes	
2020/05/14 12:	sebastiangeorge7S	Sebastian George	3	3	3	3	yes	
2020/05/14 12:	saishna2002@gma	SAISHNA SHAMEJ	2	2	2	3	yes	
2020/05/14 12:	sanathk0824@gma	SANATH K	1	3	3	3	yes	It was a good Session
2020/05/14 12:	varshachinnu03@	SOURAV KRV	1	1		2	yes	
2020/05/14 12:	jacobjamesch2000	JACOB JAMES	2	3		3	yes	
2020/05/14 12:	oliviaann2527@gn	OLIVIA ANN MATHEW	3	3		3	yes	
2020/05/14 12:	shavachu2222@gn	VARSHA KV	3	3		2	yes	understand
2020/05/14 12:	nayanasaji@gma	NAYANA SAJI	2	1		3	No	
2020/05/14 12:	abhinav.kv.nambia	ABHINAV K V	3	3		2	yes	
2020/05/14 12:	chithra842001@gr	CHITHRA S	3	3		3	yes	
2020/05/14 12:	shreyadanand@gn	Shreya Deep Anand	3	3		3	yes	
2020/05/14 12:	joshua.noyal@gma	JOSHUA NOYAL	2	3		2	yes	interesting and productive.
2020/05/14 12:	anusreekv01@gma	ANUSREE KV	2	2		2	yes	
2020/05/14 12:	archanatharamma	ARCHANA. T	2	2		3	yes	
2020/05/14 12:	donachacko2000@	DONA CHACKO	3	3		3	yes	Nothing
2020/05/14 12:	adwaith.kr.2001@	ADWAITH KRISHNA	3	3		3	yes	
2020/05/14 12:	anusreepm06@gm	ANUSREEPM	3	3		3	yes	
2020/05/14 12:	malavikaajith2001	MALAVIKA AJITH	2	2		2	yes	
2020/05/14 12:	akshayjanardhanar	Akshay Janardhanan	3	3		3	yes	
2020/05/14 12:	amalpramod75@g	AMAL PRAMOD	3	3		3	yes	
2020/05/14 12:	geoffinsajan@gma	GEOFFIN SAJAN	2	2		2	yes	
2020/05/14 12:	anjanamukundan7	ANJANA MUKUNDAN. K	3	3		3	yes	be nice
2020/05/14 12:	brajeshpv8@gmail	BRAJESH PV	3	2		3	yes	be nice
2020/05/14 12:	keerthipradeep195	KEERTHI PRADEEP KUMAR	3	3		3	yes	
2020/05/14 12:	gkgopika9@gmail	Gopika Gopalakrishnan	3	3		3	yes	
2020/05/14 12:	flemy2001@gmail	FLEMY JOSE	3	3		2	yes	
2020/05/14 12:	tomsraju808@gma	TOMS RAJU	3	3		2	yes	be nice
2020/05/14 12:	nevinsaji000@gma	NEVIN SAJI	3	3		3	yes	be nice
2020/05/14 12:	adarshvk31885@g	Adarsh vk	3	3		3	yes	
2020/05/14 12:	sagarunni16@gma	SAGAR UNNIKRISHNAN	3	3		3	yes	
2020/05/14 12:	akhilsunny418@gn	AKHIL SUNNY	3	3		3	yes	
2020/05/14 12:	martinplathara201	VML19EC031	3	3		3	yes	
2020/05/14 12:	vishnushankervk@	VISHNUSHANKAR	3	3		3	yes	
2020/05/14 12:	shilpamnair2001@	SHILPA M NAIR	3	3		2	yes	
2020/05/14 12:	manastom670@gr	MANAS TOM	3	3		3	yes	
2020/05/14 12:	shruthib2001@gn	SHRUTI BALACHANDRAN	3	3		3	yes	
2020/05/14 14:	snehasajeevan143	SNEHA SAJEEVAN T	3	3		2	yes	
2020/05/14 1:5	basithccabdul@gn	ABDUL BASITH CC	3	3		3	yes	
2020/05/14 2:0	jobinjr614@gmail.	Jobin Joseph	3	3		2	yes	
2020/05/14 3:1	ashikbenny01@gn	Ashik benny	3	3		3	yes	
2020/05/14 3:1	dangergimsy@gm	KRIS PARUKUNNEL THANKACHAN	3	3		3	yes	
2020/05/14 3:2	aavanim24@gmail	AAVANI M	3	3		3	yes	
			2.673913043	2.652173913	2.760869565	2.630434783	2.673478826	

Post Event Impact Analysis Report

1	Event type and Name	Workshop on amplifier circuits
2	Date and time	14-05-2020,11:00AM
3	Participants/audience	S3Students
4	Venue	Online Platform: Google Meet
5	Expected outcomes	• Understand the concept and application of electronics & circuits.
6	Attainment level of outcomes	2.67/3
7	List of feedback from the participants	Attached in separate sheets.
8	Connected POs/PSOs	PO1, PO2
9	Any other Relevant Information	**Resource Person** Prof. Dinesh Babu Proffessor GEC Kannur
10	Responsible Persons	**Faculty Coordinators** 1.Ms.Sudharshana Vijayan (AP,ECE) 2.Ms.Shimna P K (AP,ECE)
11	Department	Electronics and Communication Engineering

Proposal preparedby

Ms Sudharsana Vijayan

AP,ECE

Recommended by

Dr.AntoSahayaDhas

HOD,ECE

Workshop on C++

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IN ASSOCIATION WITH IETE

OUR VISION

TO BECOME A TECHNICAL EDUCATION CENTRE OF EXCELLENCE IN THE FIELD OF ELECTRONICS AND COMMUNICATION ENGINEERING AND TO ATTAIN INTERNATIONAL REPUTE BY BECOMING A TRENDSETTER IN THE FIELD

OUR MISSION

TO EMPOWER EMERGING ENGINEERS WITH STATE OF ART TECHNOLOGY ALONG WITH HIGH PATTERN OF DISCIPLINE, NURTURE CAREER IMPROVEMENT AND DEVELOP HUMAN AND SOCIAL INTELLECTUAL QUALITIES NECESSARY FOR THE SUCCESSFUL PRACTICE OF THE PROFESSION.
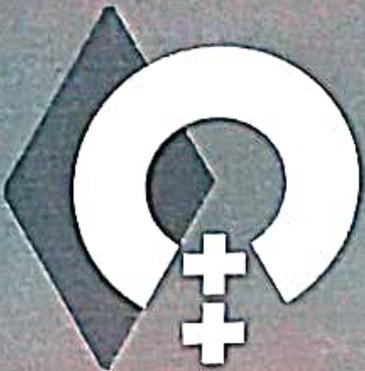
FROM 13/4/2019 TO 14/4/19

RESOURSE PERSON

Ms. Namitha, LBS College of Engineering

FACULTY COORDINATOR

Ms. Linet K

Workshop On C++

Resources Person

Ms Nimisha   Prof, Dept of CSE, LBS College of
Engineering, Kasaragod

TIME	9:00 AM
DATE	Date 13 14 April 2019
VENUE	Vimal Jyothi Engineering College

VIMAL JYOTHI ENGINEERING COLLEGE
CHEMPERI

Event Proposal Form

1	Event type and name	Workshop on **C++**
2	Date and time	13th & 14 of April 2019
3	Participants/audience	S6 ECE STUDENTS
4	Venue	Research Lab, ECE Department, VJEC
5	Objectives	1. Intoduction to C Programming 2. Improve the programming skill of students 3. Intoduction to JAVA Programming 4
6	Expected outcomes	1.Ability to perform basic Programming in C Kno2. Ability to perform basic Programming in JAVA
7	Connected PEOs/POs/COs	PO-1,3,4,5,9
8	Resource requirements	15000/- from College Management
9	Any other relevant information	Resource Person:Ms Namitha ,LBS College Of Engineering
10	Responsible persons	Proposal prepared by Linet K (AP/ECE) Recommended by Roshini T V (HOD/ECE)
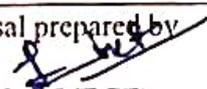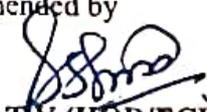
VIMAL JYOTHI ENGINEERING COLLEGE , CHEMPERI

WORKSHOP ON C++

13&14THApril 2019

Electronics And Communication Engineering

Feedback Assessment

Sl. No	Name	Aquire knowledge about C++	Understanding about Programming	Confidence on completing a project based on C++	Confidence to attend interview	Identify your skills and ability to write Program
1	Don Devasia	3	3	3	2	2
2	Sneha Joseph	3	3	3	3	3
3	ABHAY GEORGE	3	3	3	3	3
4	ABHISHEK PRAKASH K V	3	3	3	3	3
5	AISWARYA K K	3	3	3	2	3
6	AISWARYA P	3	3	3	2	3
7	AKASH JOHNSON	3	3	3	3	3
8	AKHIL CHANDRAN M	3	3	3	3	2
9	AKSHANU SADANANDAN	3	3	3	3	2
10	AKSHAYA P	3	3	3	3	3
11	AKSHAY P	3	3	3	3	3
12	AKSHAY V	2	2	3	2	3
13	AKSHAY V K	3	3	3	2	3
14	ALTREESHA BABY	3	3	3	3	3
15	AMALDEV K V	3	3	3	2	3
16	AMEYA M V	3	3	3	3	3
17	AMRUTHA NANUKUTTAN	3	3	3	2	2
18	ANAGHA C	3	3	3	3	3
19	ANAND K V	3	3	3	3	3
20	ANITA RAJU	3	3	3	3	3
21	ANJALI MOHAN	2	3	3	3	3
22	ANJU P V	3	3	2	3	2
23	ARYA SURESH	3	3	3	3	3
24	ASHISH PRADEEP	3	3	3	3	3
25	ASWANTH T	3	2	3	2	2
26	ATHIRA E V	3	3	3	3	3
27	ATHUL R SUTHAN	3	2	3	2	2
28	ATHULYA M	3	2	2	3	2
29	BIBIN TOMY	2	2	3	3	2
30	CHAITHRA A V	3	3	3	3	3
31	CHARLES AJO	3	3	3	3	3
32	DEEPU CYRIL GEORGE	3	3	3	3	3
33	JESLYN MATHEW	3	3	3	3	3
34	JISHNU MANOJ T	3	3	3	3	3
35	JISNA JOSE	3	3	3	3	3
36	LIYA ROSE JAISON	3	3	2	3	2
37	MANJUSHA M G	3	3	3	3	3
38	M NASEEM	3	3	3	3	3
39	MUHAMMAD SHAHAL M K	3	3	3	3	3
40	MUHAMMED M C	3	3	3	3	3
41	NAIR SNEHA ASOKAN	3	3	3	3	3
42	NAMITHA V K	3	3	3	3	3
43	NANDAKISHOR M	3	3	3	3	3

#	Name					
4	NAVITHA K	3	3	3	3	
5	NOBLE SAJI JACOB	3	3	3	3	3
6	RAGENDU N	3	3	3	3	3
7	ROHITH DAYANAND	3	3	3	3	3
S	SANATH GOVIND	3	3	3	3	3
9	SARIKA K	3	2	2	3	3
0	SHANOOJA MOIDEEN	3	3	3	3	3
1	SHEETHAL P V	3	3	3	3	3
2	SHWETHA SHANKUNNI	2	2	2	3	3
3	SIDHARTH P V	3	3	3	3	2
4	SONA MARIA JOSE	3	3	3	3	3
5	SREENATH M	3	2	2	3	3
6	SREERAG SASEENDRAN	3	3	3	3	3
7	URMILA MANOJ	3	3	3	3	3
S	VISHNU PRASAD	2	2	2	3	3
9	VISMAYA K	3	3	3	3	2
		2.924528302	2.867924528	2.905660377	2.83018868	2.7924528
		2.92	2.87	2.91	2.83	2.79
				2.39		
	Outcome of workshop (as 3 point grading) = 2.39					

REPORT

WORKSHOP on C

The Department of Electronics and Communication Engineering, VJEC, Chemperi conducted 2 days workshop onC++ on 13TH & 14th April 2019.

INITIATIVE

Discussed with principal about the session and he approved the proposal. The poster of workshop is pasted in department notice board.

The inaugural session was started at 10.00am, 1April 2019, and the session started at 10.30am

OVERVIEW

The main objective of the workshop is to make aware about C programming, and JAVA programming

The session was conducted by Ms Namitha,Asst professor,LBS College Of Engineering,Kasaragod

PHOTOS

Post Event Impact Analysis Report

1	Event type and name	**Event Name: Workshop On C++**
		Type: Days Workshop
		Topic: workshop on C++
	Date and time	13th, & 14th of April 2019
3	Participants/ audience	S6 ECE STUDENTS
4	Venue	Research Lab, ECE Department, VJEC
5	Outcomes of the event	1. Introduction to C Programming 2. Introduction to JAVA Programming
6	Attainment level of outcomes	Attainment level: 3
7	List of feedback from the	Attached in separate sheets.
8	ConnectedP Os/COs	PO-1,3,4,5,9
9	Any other relevant information	Resource Persons from LBS Engineering College
10	Responsible persons	Report prepared by Recommended by Roshini T V(HOD/ECE) Jerrin Yomas (AP/ECE)
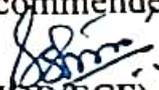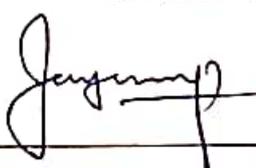
VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI

DEPARTMENT OF ELECTRONICS AND COMMUNICATION

Presents

WEBINAR ON

"BUILD YOUR FIRST APP WITH JAVA, KOTLIN"

In association with IETE VJEC CHAPTER
For S3, S5, S7 students

OCT 17 2020
11:30am - 1:30pm
SATURDAY

Google meet code
gmm-fofw-cdi

RESOURCE PERSON

Mr. Shijin K V
Junior Android Developer
ALISONS Informatios Pvt Ltd

FACULTY COORDINATORS

Manoj K C, AP ECE
Binil Kumar K, AP ECE
Bindu Sebastian, AP ECE

STUDENT COORDINATOR

Sanjay Prakash, S7 ECE

VISION OF THE DEPARTMENT

To be a pacesetter in the field of Electronics and Communication
Engineering.

MISSION OF THE DEPARTMENT

M1. To provide quality education for the students in the field of
Electronics and Communication Engineering.

M2. To educate students about professional and ethical
responsibilities and train them to build life skills for their
career development.

VIMAL JYOTHI ENGINEERING COLLEGE

JYOTHI NAGAR, CHEMPERI – 670632, KANNUR D T, KERALA

An ISO 9001 : 2008 Certified Institution

Event Proposal Form

1	Event Type and Name	Event Name : Training Program Type : Webinar Topic : Build Your First APP with Java and KOTLIN
2	Date and time	17-10-2020 , 11.30AM -1:30 PM
3	Participants/ audience	B.Tech ECE S3, S5, S7 Semester students.
4	Venue/Platform	Google Meet
5	Objectives	To familiarize basic concept of android app development
6.	Expected outcomes	1. Understand the basic concept of android Programming 2. Familiarized the different tools available for APP development
7	Connected PEOs/POs/COs	PO-1,2,3,5,9,12,PSO1
8	Resource Requirement/ Association	Device with Google meet application and internet connectivity. In Association with IETE VJEC Chapter
9	Any other relevant Information	The Session will be handled by Mr. Shijin K V, Junior Android Developer, ALISONS Informatics Pvt Ltd.

10	Responsible persons	Proposal prepared by
		 Manoj K C
		 Binil Kumar K
		 Bindhu Sebastian Recommented by
		                                   Dr. Anto Sahaya Dhas
		                                        HOD ECE

VIMAL JYOTHI ENGINEERING COLLEGE

CHEMPERI

REPORT

Webinar on Build Your First APP with Java and KOTLIN

A Webinar on Build Your First APP with Java and KOTLIN is arranged by Department of Electronics and Communication Engineering, Vimal Jyothi Engineering College, Chemperi, Kannur on 17th October 2020 at 11.30 AM to 1.30 PM. The resource person was Mr. Shijin K V, Junior Android Developer, ALISONS Informatics Pvt Ltd. S7,S5,S3 students from EC department attended the webinar .Total 71 students from the department attended the webinar.The webinar was an excellent opportunity for the students to familiar with KOTLIN platform which is used for android development. The resource person started from the very basics with appropriate demos such that the participants clearly obtained the role of KOTLIN & JAVA in android developement.An active doubt clearing section was conducted after the webinar. Vote of thanks is given by Mr.Manoj KC, Associate Professor, ECE Department at the end. The program was wind up by 1.30 PM.

Number of active participants in the webinar: 77.

Timestamp	Email	Name	Semester	How informative did you find the workshop	Overall how satisfied were you with it	Would you say the speaker... / rating
10/15/2020 16:54:34	jithinjames@ysc.ac.in	Jithin James	5h	Very informative	Very Satisfied	None / 4
10/15/2020 18:16:29	kcmanoj@ysc.ac.in	MANOJ K C	7th Semester	Extremely informative	Very Satisfied	No / 5
10/17/2020 14:32:47	vimalp1020@gmail.com	Vimal P	7th Semester	Very informative	Satisfied	No / 5
10/17/2020 14:16:09	pranavpk6@gmail.com	Pranav Pk	7th Semester	Extremely informative	Very Satisfied	Good / 4
10/17/2020 14:35:16	radhana1234@gmail.com	Radhana S	7th Semester	Very informative	Satisfied	5
10/17/2020 14:35:30	manaskbk123@gmail.com	Manas k	5th Semester	Extremely informative	Very Satisfied	5
10/17/2020 14:41:09	vimalkumar101@gmail.com	Vimal Kumar T	7th Semester	Extremely informative	Neither satisfied nor unsatisfied	5
		Nevin Sebastian	7th Semester		Satisfied	5
10/17/2020 14:44:26	anjuaral96@gmail.com	Anju Aral	7th Semester	Extremely informative	Very Satisfied	3
10/17/2020 14:51:17	hrshikaashok20@gmail.com	Hrishika C	7th Semester	Very informative	Satisfied	5
10/17/2020 14:52:35	donacharko2000@gmail.com	Dona Chacko	3rd Semester	Extremely informative	Very Satisfied	3
10/17/2020 14:52:59	geofinsajan_@gmail.com	GEOFFIN SAJAN	3rd Semester	Moderately informative	Satisfied	5
10/17/2020 14:53:02	shilpamnair2001@gmail.com	Shilpa M Nair	3rd Semester	Very informative	Satisfied	5
10/17/2020 14:53:13	sebastiangeorge7X@gmail.com	Sebastian George	3rd Semester	Extremely informative	Very Satisfied	5
10/17/2020 14:53:17	anusreekv01@gmail.com	Anusree KV	3rd Semester	Very informative	Satisfied	5
10/17/2020 14:53:23	geethikarajeevan@gmail.com	Geethika T	3rd Semester	Very informative	Satisfied	5
10/17/2020 14:53:28	oliviaann2527@gmail.com	OLIVIA ANN MATHEW	3rd Semester	Very informative	Satisfied	5
10/17/2020 14:53:56	archanabharamal2001@gmail.com	ARCHANA T	3rd Semester	Very informative	Satisfied	5
10/17/2020 14:54:04	sthavachu2222@gmail.com	Varsha kv	3rd Semester	Moderately informative	Satisfied	3
10/17/2020 14:55:15	malavikaajith2001@gmail.com	MALAVIKA AJITH	3rd Semester	Very informative	Very Satisfied	5
10/17/2020 14:56:18	anjanamukundan75@gmail.com	ANJANA MUKUNDAN K	3rd Semester	Very informative	Very Satisfied	5
10/17/2020 14:57:03	flemy2001@gmail.com	FLEMY JOSE	3rd Semester	Extremely informative	Satisfied	3
10/17/2020 14:57:06	Swathikv2000@gmail.com	Swathi Lakshmi K V	3rd Semester	Very informative	Very Satisfied	3
10/17/2020 14:58:00	nayanasaji@gmail.com	Nayana Saji	3rd Semester	Extremely informative	Satisfied	5
10/17/2020 14:58:03	mahhimamahi3@gmail.com	MAHIMA KV	7th Semester	Very informative	Very Satisfied	5
10/17/2020 14:58:44	snehasajeevan143@gmail.com	Sneha Sajeevan T	3rd Semester	Extremely informative	Satisfied	5
10/17/2020 14:59:28	Nevin saji	Nevin saji	3rd Semester	Very informative	Very Satisfied	3
10/17/2020 14:59:43	nufalanajeeb2000@gmail.com	Nufaila M	5th Semester	Very informative	Satisfied	Good / 5
10/17/2020 15:01:34	bdevpreethika@gmail.com	Preethika B Dev	7th Semester	Moderately informative	Very Satisfied	3
10/17/2020 15:01:35	sanathk0824@gmail.com	Sanath K	3rd Semester	Extremely informative	Very Satisfied	Valuable knowledge / 5
10/17/2020 15:02:31	abhiramvenugopal99@gmail.com	Abhirami venugopal	7th Semester	Not very informative	Satisfied	3
10/17/2020 15:06:23	Akhilsunny418@gmail.com	Akhil Sunny	3rd Semester	Extremely informative	Very Satisfied	5
10/17/2020 15:12:59	salshna2002@gmail.com	Salshna Shame)	3rd Semester	Extremely informative	Very Satisfied	5
10/17/2020 15:13:01	savishnavalsan@gmail.com	Savishna Vatsan	7th Semester	Extremely informative	Very Satisfied	No / 5
10/17/2020 15:14:53	amalpramod75@gmail.com	AMAL PRAMOD	3rd Semester	Moderately informative	Neither satisfied nor unsatisfied	Nil / 4
10/17/2020 15:14:53	sagarunni1@gmail.com	Sagar Unnikrishnan	3rd Semester	Moderately informative	Satisfied	5
10/17/2020 15:14:57	rashidmutfat59@gmail.com	MUHAMMAD RASHID M	3rd Semester	Extremely informative	Very Satisfied	Nil / 5
10/17/2020 15:14:59	meghamahesh99@gmail.com	Megha Mahesh	7th Semester	Very informative	Neither satisfied nor unsatisfied	Good / 3
10/17/2020 15:18:16	ardhanasuresh9@gmail.com	Ardhana S	7th Semester	Moderately informative	Satisfied	No / 5
10/17/2020 15:20:33	tomsraju808@gmail.com	Toms Raju	3rd Semester	Very informative	Satisfied	3
10/17/2020 15:28:22	saviojosepcrp@gmail.com	Savio jose	3rd Semester	Very informative	Satisfied	It was informative / 3
10/17/2020 15:28:33	Dangetgrnsy@gmail.com	kns parukunneel thankachi	3rd Semester	Very informative	Satisfied	3
10/17/2020 15:34:00	adwaith.kr.2001@gmail.com	Adwaith	5th Semester	Very informative	Satisfied	5
10/17/2020 15:34:53	daahir6001@gmail.com	Muhammed daahin	3rd Semester	Very informative	Satisfied	3
10/17/2020 15:35:51	heeranv@gmail.com	Heera Pradeep	3rd Semester	Extremely informative	Very Satisfied	1
10/17/2020 15:38:07	chithra542001@gmail.com	Chitra S	5th Semester	Very informative	Very Satisfied	5
10/17/2020 15:49:33	rohanutc@gmail.com	Rohan Utc	5th Semester	Extremely informative	Very Satisfied	Very good session / 5
10/17/2020 15:49:38	anusreediresh2000@gmail.com	Anusree AC	7th Semester	Very informative	Very Satisfied	5
10/17/2020 15:59:27	divyachandran9656@gmail.com	Sreya Chandrasekharan	3rd Semester	Moderately informative	Very Satisfied	5
10/17/2020 15:59:56	sreerag9cv04@gmail.com	Sreerag CV	3rd Semester	Very informative	Satisfied	5
10/17/2020 16:01:21	shrutb2001@gmail.com	Shruti Balachandran	3rd Semester	Very informative	Satisfied	5
10/17/2020 16:01:37	joshua.royal@gmail.com	Joshua Noyal	3rd Semester	Very informative	Satisfied	5
10/17/2020 16:39:59	meghnasudharman@gmail.com	MEGHNA SUDHARMAN	7th Semester	Very informative	Satisfied	5

Post Event Impact Analysis Report

1	Event type and name	Event name: Webinar Type: Co-curricular Topic: Build Your First APP with Java and KOTLIN
2	Date and time	17-10-2020 , 11.30AM -1:30 PM
3	Participants / audience	B.Tech ECE S3, S5, S7 Semester students
4	Venue	Google Meet
5	Outcomes of the event	1. Understand the basic concept of android Programming 2. Familiarized the different tools available for APP development
6	Attainment level of outcomes	-
7	List of feedback from the participants	Attached in separate sheets.
8	Resource Requirement/ Association	Device with Google meet application and internet connectivity. In Association with IETE VJEC Chapter
9	Connected POs/COs	PO-1,2,3,5,9,12,PSO1
10	Any other relevant information	The Session handled by Mr. Shijin K V, Junior Android Developer, ALISONS Informatics Pvt Ltd.
11	Responsible persons	Report prepared by Mr.Binil Kumar K (AP/ECE)	Recommended by Dr. Anto Sahaya Dhas (HOD/ECE)

Event proposal form

1	Event type and name	ADD ON Course **ADEC801 Conceptual study of Data Science**
2	Date and time	March 1, 2023 to March 5, 2023
3	Participants/ audience	Semester 8 ECE Students
4	Venue	Research lab, ECE
5	Objectives	To apply quantitative modeling and data analysis techniques to the solution of real-world business problems To effectively present results using data visualization techniques.
6	Expected outcomes	Students will be able to 1. Apply quantitative modeling and data analysis techniques to the solution of real-world business problems 2. Effectively present results using data visualization techniques.
7	Connected PO/PSO	PO- 1,5,12, PSO- 1
8	Resource requirements	PC/Laptops
9	Any other relevant information	Resource person: Mr. Sarin C R Chief Resource Person AltGrades Kochi. Remuneration: 27000/-
10	Responsible persons	Staff coordinators: Dr Jayesh George M, Ms. Shimna P K, Ms. Sudharshana Vijayan Convenor: Dr Anto Sahaya Dhas D Professor & HOD, Dept. of CSE

Proposal prepared by 19/2/2023
Dr Jayesh George M

Recommended by 19/2/23
Dr Anto Sahaya Dhas D

VIMAL JYOTHI ENGINEERING COLLEGE

Alt Grades

ADEC801

Add on Course

CONCEPTUAL STUDY OF ~~ON~~

DATA SCIENCE

March 1 -5, 2023

9.00am-4.10pm

Research Lab, ECE Department

PARTICIPANTS

S8 ECE Students

COORDINATORS

Dr Jayesh George M, Ms. Shimna P K, Ms. Sudharshana Vijayan

CONVENOR

Dr. D Anto Sahayadhas

ADD ON Course in Conceptual study of Data Science
For Semester 8 ECE Students

Aim: Provide Insights About the Roles of a Data Scientists, Learn Techniques and Tools for Transformation of Data Learn and Data Visualization and Optimization

Learning Objectives

Students who have completed the Add on Course in Data Science Program will be able to:

Apply quantitative modeling and data analysis techniques to the solution of real-world business problems and effectively present results using data visualization techniques.

Curriculum Prepared by

Dr. Jayesh George M

Ms. Shimna P K

Ms. Sudharshana Vijayan

Day I - Python Fundamentals

9.00 - 11.00	Career Prospectus in Data Science Python Basics - IO Statements
11.00 - 01.00	Lists, Strings, Tuples, Sets and Dictionary
2.00 - 4.00	Numpy and Statistics Github and Digital Resume

Day II - AI with Python

9.00 - 11.00	Pandas
11.00 - 01.00	Data Analytics
2.00 - 4.00	Plotting with Python

Day III - Advanced Data Science and Projects

9.00 - 11.00	AI with Python and Regression
11.00 - 01.00	Clustering and Classification
2.00 - 4.00	Hands on Project

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11.00 - 01.00	Clustering and Classification
2.00 - 4.00	Hands on Project

Day IV- Advanced Data Science and Projects

1.00	Introduction to SQL
- 01.00	How to face interview questions for Data Science - SQL Case study
) - 4.00	Hands on Project

Day V - Advanced Data Science and Projects

10 - 11.00	Power BI
.00 - 01.00	Hands on Project
:.00 - 4.00	Hands on Project

INR +GST (18%) = 35400/-

le Certifications

.. https://cognitiveclass.ai/learn/data-science-with-python
2. https://cognitiveclass.ai/learn/data-science

rences :

1. TCS :
   https://www.linkedin.com/jobs/view/data-analyst-python-sql-at-tata-consultancy-services-339282
   8701/?originalSubdomain=in
2. Wipro : https://www.instahyre.com/job-122440-data-scientist-at-wipro-bangalore/
3. Sutherland : Id=3427437927&originalSubdomain=in
4. https://www.linkedin.com/jobs/data-visualization-specialist-etl-python-power-bi-jobs/?currentJob
5. https://www.linkedin.com/jobs/search/?currentJobId=3409403361&f_E=2&geoId=102713980&k
   eywords=data%20analyst&location=India&originalSubdomain=in&refresh=true&sortBy=R

tor 18/1/2013   HoD 18/1/23   Principal 18/1

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGG
ADD ON COURSE ON Conceptual study on Data Science
MCQ SCORE

Timestamp	Email Address	NAME OF THE STUDENT	REGISTER NUMBER OF THE STUDENT	Score
3/14/2023 15:48:17	sidraj17rj7352@gmail.com	Sidharth k	VML19EC048	12 / 15
3/14/2023 15:48:17	chithra842001@gmail.com	Chithra S	VML19EC016	14 / 15
3/14/2023 15:48:19	archanatharammal2001@gmail.com	ARCHANA T	VML19EC010	14 / 15
3/14/2023 15:48:20	gkgopika9@gmail.com	Gopika Gopalakrishnan	VML19EC022	14 / 15
3/14/2023 15:48:46	donachacko2000@gmail.com	Dona Chacko	VML19EC018	13 / 15
3/14/2023 15:48:51	geethikarajeevan@gmail.com	Geethika.T	VML19EC020	12 / 15
3/14/2023 15:49:09	anjanamukundan75@gmail.com	ANJANA MUKUNDAN.K	VML19EC007	13 / 15
3/14/2023 15:49:35	snehasajeevan143@gmail.com	Sneha Sajeevan T	VML19EC049	13 / 15
3/14/2023 15:49:45	manastom670@gmail.com	MANAS TOM	VML19EC030	13 / 15
3/14/2023 15:49:50	ashikbenny01@gmail.com	Ashik Benny	Vml19ec011	14 / 15
3/14/2023 15:49:59	saishna2002@gmail.com	Saishna Shamej	VML19EC040	15 / 15
3/14/2023 15:50:43	oliviaann2527@gmail.com	Olivia Ann Mathew	VML19EC037	14 / 15
3/14/2023 15:50:52	niswarth.a.v@gmail.com	Niswarth A V	VML19EC036	12 / 15
3/14/2023 15:51:11	dhanushch1234@gmail.com	Dhanush CH	VML19EC017	13 / 15
3/14/2023 15:51:40	malavikaajith2001@gmail.com	Malavika Ajith	VML19EC029	15 / 15
3/14/2023 15:51:41	dangergimsy@gmail.com	KRIS PARUKUNNEL THANKACHAN	VML19EC028	15 / 15
3/14/2023 15:52:01	souravkrv4@gmail.com	SOURAV KRV	VML19EC050	15 / 15
3/14/2023 15:53:52	sanathk0824@gmail.com	Sanath K	VML19EC041	12 / 15
3/14/2023 15:54:11	rubysharin18@gmail.com	Ruby Sharin	Ruby Sharin	15 / 15
3/14/2023 15:57:34	aavanim24@gmail.com	Aavani M	VML19EC001	15 / 15
3/14/2023 16:49:23	nayanasajip@gmail.com	NAYANA SAJI	VML19EC034	15 / 15
3/14/2023 19:29:36	pvbrajesh2001@gmail.com	Brajesh P V	VML19EC014	10 / 15
3/14/2023 19:51:41	nevinsaji000@gmail.com	Nevin Saji	VML19EC035	14 / 15
3/14/2023 20:32:55	joshua.noyal@gmail.com	JOSHUA NOYAL	VML19EC026	14 / 15
3/14/2023 22:33:46	sarangk015@gmail.com	Sarang K	VML19EC042	12 / 15
3/15/2023 9:07:16	anusreepm06@gmail.com	Anusree p m	VML19EC009	15 / 15
3/15/2023 9:09:05	chaithrapradeep7896@gmail.com	Chaithra.p.pradeepan	VML19EC015	15 / 15
3/15/2023 9:30:19	amalpramod75@gmail.com	Amal Pramod	VML19EC005	15 / 15
3/15/2023 9:34:03	rashidmullali59@gmail.com	Muhammad Rashid Mp	VML19EC033	15 / 15
3/15/2023 9:34:37	aswinsurendran0177@gmail.com	Aswin Surendran	VML19EC012	15 / 15
3/15/2023 9:35:11	abhinav.kv.nambiar1999@gmail.com	Abhinav K V	LVML19EC058	15 / 15
3/15/2023 9:37:35	athulgeorge021@gmail.com	Athul George	VML19EC013	15 / 15
3/15/2023 9:38:06	swathilkv2000@gmail.com	Swathi Lakshmi K V	VML19EC051	15 / 15
3/15/2023 9:43:34	tomsraju808@gmail.com	Toms Raju	VML19EC052	15 / 15
3/15/2023 9:45:40	jobinjr614@gmail.com	Jobin joseph	Vml19ec025	14 / 15
3/15/2023 9:49:03	sebastiangeorge75@gmail.com	Sebastian George	VML19EC044	15 / 15
3/15/2023 9:49:09	keerthipradeep199@gmail.com	Keerthi Pradeep Kumar	VML19EC027	15 / 1
3/15/2023 9:49:51	flemy2001@gmail.com	Flemy Jose	VML19EC019	15 / 1
3/15/2023 9:50:29	adwaith.kr.2001@gmail.com	Adwaith Krishna	VML19EC004	15 / 1
3/15/2023 9:52:21	jeentreesa@gmail.com	JEENA GEORGE	LVML19EC063	15 / 1
3/15/2023 9:56:23	jacobjamesch2000@gmail.com	Jacob James	vml19ec024	15 / 1
3/15/2023 9:57:54	abhijithckr2@gmail.com	Abhijith C	LVML19EC057	15 / 1
3/15/2023 9:57:54	anjkpali@gmail.com	Anjali KP	LVML19EC061	15 / 1

CERTIFICATE

THE FOLLOWING CERTIFICATE IS GIVEN TO

Anusree PM

FOR SUCCESSFUL COMPLETION OF ADD ON COURSE OF 30 HOUR
ADEC801 CONCEPTUAL STUDY OF DATA SCIENCE

Dr Anto Sahayadhas
Head of Department

Dr.Benny Joseph
Principal

801/23/020

CERTIFICATE

THE FOLLOWING CERTIFICATE IS GIVEN TO

Brajesh PV

FOR SUCCESSFUL COMPLETION OF ADD ON COURSE OF 30 HOUR
ADEC801 CONCEPTUAL STUDY OF DATA SCIENCE

Dr Anto Sahayadhas
Head of Department

Dr.Benny Joseph
Principal

VIMALJYOTHI ENGINEERING COLLEGE

ELECTRONICS & COMMUNICATION ENGG DEPT.

ADD ON COURSE

ADEC801 CONCEPTUAL STUDY OF DATA SCIENCE

ATTENDANCE SHEET (BATCH 2019-23)

SLNO	REG NO	NAME OF STUDENT	01.03.2023 FN	01.03.2023 AN	02.03.2023 FN	02.03.2023 AN	03.03.2023 FN	03.03.2023 AN	04.03.2023 FN	04.03.2023 AN	05.03.2023 FN	05.03.2023 AN
1	VMLJ19EC001	Aavani M										
2	VMLJ19EC002	Abdul Basith C C										
3	VMLJ19EC003	Adarsh V K	Supply		Supply							
4	VMLJ19EC004	Adwaith Krishna										
5	VMLJ19EC005	Amal Pramod										
6	VMLJ19EC006	Angitha N										
7	VMLJ19EC007	Anjana Mukundan K										
8	VMLJ19EC008	Anusree K V										
9	VMLJ19EC009	Anusree P M										
10	VMLJ19EC010	Archana T										
11	VMLJ19EC011	Ashik Benny	supply									
12	VMLJ19EC012	Aswin Surendran										
13	VMLJ19EC013	Athul George										
14	VMLJ19EC014	Brajesh P V										
15	VMLJ19EC015	Chaithra P Pradeepan										
16	VMLJ19EC016	Chithra S	Supply									
17	VMLJ19EC017	Dhanush C H										

		FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
18	VML19EC018	Dona Chacko									
19	VML19EC019	Flemy Jose									
20	VML19EC020	Geethika T									
21	VML19EC021	Geoffin Sajan									
22	VML19EC022	Gopika Gopalakrishnan									
23	VML19EC023	Hrithik M Philip									
24	VML19EC024	Jacob James									
25	VML19EC025	Jobin Joseph									
26	VML19EC026	Joshua Noyal									
27	VML19EC027	Keerthi Pradeep Kumar									
28	VML19EC028	Kris Parukunnel Thankachan									
29	VML19EC029	Malavika Ajith									
30	VML19EC030	Manas Tom									
31	VML19EC031	Martin P Thomas									
32	VML19EC032	Melvin Joseph									
33	VML19EC033	Muhammad Rashid M P									
34	VML19EC034	Nayana Saji									
35	VML19EC035	Nevin Saji									
36	VML19EC036	Niswarth A V									
37	VML19EC037	Olivia Ann Mathew									
38	VML19EC038	Ruby Sharin									
39	VML19EC039	Sagar Unnikrishnan									
40	VML19EC040	Salshna Shamej									

			01.03.23		02.03.23				04.03.23		05.03.23	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
41	VML19EC041	Sanath K	Supply									
42	VML19EC042	Sarang K										
43	VML19EC043	Savio Jose										
44	VML19EC044	Sebastian George										
45	VML19EC045	Shilpa M Nair										
46	VML19EC046	Shreya Deep Anand										
47	VML19EC047	Shruti Balachandran										
48	VML19EC048	Sidharth K	Supply									
49	VML19EC049	Sneha Sajeevan T										
50	VML19EC050	Sourav K R V										
51	VML19EC051	Swathi Lakshmi Kv										
52	VML19EC052	Toms Raju										
53	VML19EC054	Varsha K V	Supply									
54	VML19EC055	Vimal Kumar P P										
55	VML19EC056	Vishnuhshankar V K										
56	LVML19EC057	Abhijith C										
57	LVML19EC058	Abhinav K V										
58	LVML19EC059	Akhil Sunny										
59	LVML19EC060	Akshay Janardhanan										
60	LVML19EC061	Anjali K P										
61	LVML19EC062	Heera Pradeep										
62	LVML19EC063	Jeena George										

VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI
DEPARTMENT OF ECE
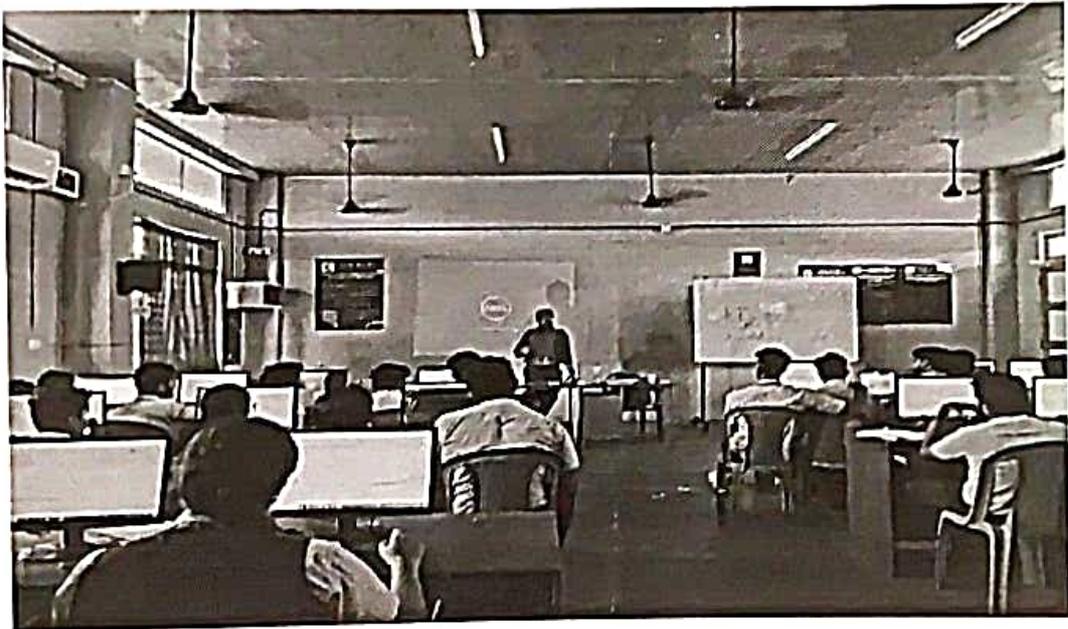
ADEC801 CONCEPTUAL STUDY ON DATA SCIENCE

A five-day workshop on Conceptual Study on Data Science was conducted for S8 ECE students from 1st March to 5th March of 2023. It was conducted at Advanced Communication Lab, ECE Department.

The session was handled by Dr. Sarin C R (Academic Manager and SME (Data Science)). About 61 students attended this session. Major topics discussed were Basics of Python, SQL and Microsoft Power BI. Also several websites were introduced which included github, datalemur, LinkedIn, etc.,for future job opportunities. He encouraged us to attend a Cognitive AI test which is related to the topics that he had covered to attain a certificate that can help us upgrade our profile.

The session was very useful and informative. A good response was put forward by the students and they are eager to know more about this and wanted more sessions like this in future.

1

PHOTOS

Report Prepared by
Ms. Shimna P K
Faculty Advisor

To,

    The Bursar / Principal

    VJEC

    Chemperi

From,

    HOD

    ECE dept.

Respected Sir,

    Request for Add-on Course Remuneration - Reg.

    Electronics and Communication Engg. department has conducted an Add-on course ' conceptual study data science' on 01/3/23 to 05/03/23 for S8 ECE students. The remuneration of the course is 27000/-. So I kindly request you to credit the amount to the following account for the same.

                               Thanking You.

    Canara Bank

    A/C No: 2427220000 5105

    A/c Holder: Sarin C.R.

    IFSC : CNRB0003589   S8 ECE Tutor

    MMID: 9015451   Sudharsana Vijaya

    Kozhenchery.   14/3/23

Date : 14/3/23
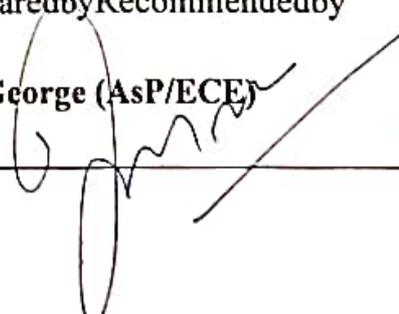
Place : Chemperi   Submitted to the Principal

                    15/3/23   14/3/23

PostEventImpactAnalysisReport

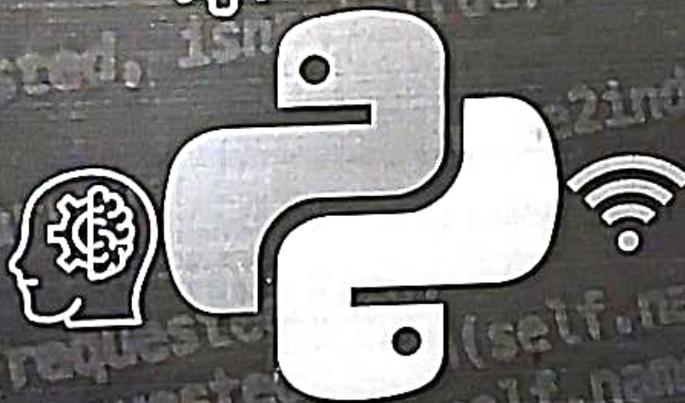| 1	Eventtypean dname	ADD ON Course ADEC801 Conceptual study of Data Science
2	Dateandtime	March 1, 2023 to March 5, 2023
3	Participants/au dience	Semester 8 ECE Students
4	Venue	Research lab, ECE
5	Outcomesofth eevent	Students will be able to 1. Apply quantitative modeling and data analysis techniques to the solution of real-world business problems 2. Effectively present results using data visualization techniques.
6	Attainmentle velofoutcom es	3
7	Listoffeedbac kfrompartici cipants	Very good feedback from the students. Feedback session(Oral) conducted in the end of the program.
8	ConnectedP Os/COs	PO1, PO2, PO3, PO4 and PO 12
9	Anyotherrele vantinformati on	Resource person: Mr. Sarin C R Chief Resource Person AltGrades Kochi.
10	Responsiblepe rsons	Report preparedbyRecommendedby Dr. Jayesh George (AsP/ECE) Dr. AntoSahayaDhas(HOD/ECE)

EVENT PROPOSAL FORM

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

1	Event type and Name	Add on course on "Fundamentals in python programming"
2	Date and time	10/03/2023 to 14/03/2023,9.00AM to 4PM
3	Participants/audience	S4 ECE students (2021-25 Batch).
4	Venue	ECE department -Advanced communication engineering lab.
5	Objectives	To understand the fundamentals of Python programming language.
6	Expected outcomes	Students will understand Python fundamentals and they will be able to develop python programs for various applications.
7	Connected POs/PSOs	PO1, PO3,PO5, PO12
8	Resource requirements	Course fee – Rs.30000 + 18% GST (Approved by the management)
9	Any other Relevant Information	Resource Person/team – Quest Innovative solutions Kannur. Accommodation is required for the resource team (2 members)
10	Responsible Persons	Mr.Vinod J Thomas ,ASP, ECE Mr.Manoj K C ,ASP, ECE Ms. Jerrin Yomas , ASP, ECE
11	Department	Electronics & Communication Engineering Department, VJEC.

Proposal prepared by
Vinod J Thomas
Assoc. Prof, ECE

Proposal Recommended by
Dr. Anto Sahaya Dhas
Professor & Head , ECE Dept.

VIMAL JYOTHI ENGINEERING COLLEGE, CHEMPERI

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

S4 ECE (2021-25BATCH)

ADD-ON COURSE REPORT

TITLE: FUNDAMENTALS IN PYTHON PROGRAMMING

CODE – ADEC401

The Electronics & Communication Engineering department of Vimal Jyothi Engineering Collegeconducted an add-on course for fourth-semester ECE students aimed at skill development. The course was held from 10th March to 14th March 2023 and aimed to equip students with practical knowledge and experience in the field of Python programming.

The course, which covered fundamental concepts in Python programming and their practical implementation was led by Mr. Akesh and Mr. Jayasurya of Quest Innovative Solutions and was attended by 54 fourth-semester ECE students from Vimal Jyothi Engineering College.

On the first day of the add-on course, a range of topics were covered, primarily focused on the fundamentals of Python programming. The day began with an introduction to Python and a discussion of its advantages and disadvantages compared to other programming languages such as R. The session also covered the popular Integrated Development Environments (IDEs) for Python and provided guidance on installing Python and Visual Studio Code. Students were then introduced to the concept of variables, including how to declare them and the automatic assignment of data types in Python. The session also covered collections of variables and basic data structures such as strings, including strings as arrays, string length, checking if a string is in, and string slicing. Additionally, operators, including arithmetic and logical operators and Boolean operators, were introduced. Finally, the session concluded with an overview of lists, tuples, sets, and dictionaries, providing students with a solid foundation in Python programming fundamentals.

On the second day of the add-on course, the session focused on additional fundamentals of Python programming. The day began with an introduction to looping statements, including a discussion of what loops are and an overview of for-each loop and while loops. The session then moved on to conditional statements, including an explanation of what they are and a detailed look at the different types of conditional statements. Next, the session covered user-defined functions and lambda functions, including an explanation of what each is and how to use them. The day concluded with a session on file handling in Python, providing students with a foundation in this important aspect of Python programming.

On the third day of the Python workshop, participants were introduced to the basics of data science and data analysis using the Python programming language. The day started with

an overview of the Anaconda environment and how to install Jupiter Notebook for running Python code.The primary focus of the day was on the panda's library, which is a powerful data manipulation and analysis tool. Participants learned how to read and process data files using pandas, and how to perform various data cleaning tasks such as identifying and removing missing values and duplicates. They were also introduced to data exploration techniques using pandas, such as selecting, grouping, and sorting data.

Additionally, the workshop covered the basics of working with NumPy arrays, which are an essential component of data analysis in Python. Participants learned how to create and manipulate arrays, perform operations on them, and use them for data analysis tasks.

Finally, the day concluded with an introduction to Matplotlib, a powerful visualization tool for creating charts, graphs, and other visual representations of data. Participants learned how to use Matplotlib to create basic plots and charts to display their data in a meaningful way. Overall, the day provided participants with a solid foundation in data analysis using Python and its various libraries.

On the fourth and fifth days of the Python course, participants were introduced to the basics of application development using Python. They were taught how to use the Python language to write scripts and programs, and how to create basic applications using various Python libraries. During these days, participants learned about important programming concepts such as variables, data types, conditionals, loops, and functions. They were also introduced to object-oriented programming in Python and how to create classes, objects, and methods. In addition, participants were introduced to different Python libraries that are commonly used in application development, such as Flask, Django, and Tkinter. They learned how to use these libraries to create web applications, GUI-based applications, and other types of applications. The practical hands-on approach of the course allowed participants to apply what they learned by working on various projects and exercises. By the end of the course, participants had gained a solid understanding of Python programming fundamentals and application development, which provided a strong foundation for further exploration and development in this area.

At the end of the Python workshop, feedback was collected from the participants to assess their experience and understanding of the material covered. Additionally, an assessment test was conducted to evaluate their proficiency in the language. The feedback and assessment results were overwhelmingly positive, with participants expressing satisfaction with the workshop and their increased knowledge of Python. Certificates were provided to students who completed the assessment and provided feedback. Overall, the response and performance of the participants were deemed to be excellent, indicating the success of the workshop and the effectiveness of the instruction provided.

PHOTOS