ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(Unit of Alva's Education Foundation (R), Moodbidri)

Affiliated to Visvesvaraya Technological University, Belagavi &

Approved by AICTE, New Delhi. Recognized by Government of Karnataka.

Accredited with A+ by NACC & NBA (ECE & CSE)

DEPARTMENT WORKSHOP REPORTS - 2023-24

WORKSHOP REPORT – 2023-24

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(A Unit of Alva's Education Foundation (R) Moodbidri)
Affiliated to Visvesvaraya Technological University, Belagavi.
Approved by AICTE, New Delhi & Recognized by Government of Karnataka
Accredited by NAAC with A+ & NBA (CSE & ECE)

IEEE AIET

Ref.No.: AIET/IQAC/2023-24/

05/01/2024

Internal Quality Assurance Cell (IQAC)
Geoinformatics Research Lab
IEEE Student Branch Chapter, AIET (STB60215368)
Dept of AI & ML

To,

Dr. Peter Fernandes
IQAC Chairman
AIET, MIJAR

Subject: Request permission to conduct Hands on Workshop on Satellite Image Processing

Respected Sir,

We are pleased to inform you that AIET-IQAC, Geoinformatics Research Lab & IEEE student branch chapter (STB60215368), Dept of AI & ML AIET are planning to organize a hands-on workshop on 9th and 10th January 2024. The two-day workshop on will focus on geospatial analysis and machine learning with Python. This workshop will provide valuable insights into prominent Python libraries for remote sensing and geospatial analysis. Participants will would be equipped with necessary tools to handle geospatial data, perform spatial analysis, and build basic machine learning models. The hands-on training approach will enable participants to experience simple yet robust toolsets for creating powerful projects. We would request you to kindly permit us to proceed with the activities planned. Your valuable suggestions and support in this endeavor would be greatly appreciated.

Thank you for your consideration.

Dr. Dattathreya
IQAC Main Coordinator
AIET, MIJAR, Moodbidri

Dr. Manjunath Kotari
IEEE Faculty Counselor
AIET, MIJAR, Moodbidri

Dr. Vinay S
Geoinformatics Research Lab,
AIET, MIJAR, Moodbidri

Prof. Harish Kunder
Head, AIML
AIET, MIJAR, Moodbidri

PRINCIPAL
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225, D.K.

Contents

- Numpy, Pandas, and Geopandas libraries for geospatial data analysis
- Create, import, and export spatial data using Rasterio
- Plot maps using Plotly and Matplotlib
- Understand spatial analysis on your data
- Build a machine learning models using the Scikit library

Schedule

Date	Session 1	Session 2	Session 3	Session 4
	9:15 AM - 10:45 AM	11:00 AM - 12:30 PM	1:45 PM - 3:15 PM	3:30 PM - 5:00 PM
09-Jan-24	Inauguration and Introduction to RS-GIS, AI/ML	QGIS Basics	QGIS Advanced	Numpy, Pandas, GeoPandas, Plotly
10-Jan-24	RasterIO, Matplotlib	RS data sources	Raster function and analysis	Building ML model, Accuracy Assessment

QGIS Basics

- Visualizing High Resolution satellite images
- Understanding Resolutions - Spatial, Spectral, Radiometric and Temporal
- GeoReferencing a toposheet
- Adding Base maps
- Measurement using tools

QGIS Advanced

- Creating point, line and polygons
- Automatic geometry measurement
- Creating True Color Composite, False Color Composite

Remote sensing data sources

- Downloading ISRO data - LISS4, CartSat DEM
- Understanding Digital Elevation Model (DEM)
- Generating Contours
- Digitizing buildings, measuring perimeter, area, height using aerial images

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(A Unit of Alva's Education Foundation (R) Moodbidri)
Affiliated to Visvesvaraya Technological University, Belagavi.
Approved by AICTE, New Delhi & Recognized by Government of Karnataka
Accredited by NAAC with A+ & NBA (CSE & ECE)

IEEE AIET

Ref.No.: AIET/IQAC/2023-24/ 05/01/2024

CIRCULAR

It is hereby informed that 2 days hands on training workshop on GEOSPATIAL ANALYSIS & MACHINE LEARNING WITH PYTHON is organized by IQAC, Geoinformatics Research Lab, IEEE student branch chapter & Dept of AIML on 9th and 10th Jan 2024 venue being Machine Learning Lab between 9:30 AM and 5:00 PM. In this regards the HOD's (Agri, AIML, Civil, CSE, CSD, ECE, ISE) are requested to kindly be present for the inaugural and depute select interested students from the department.

Dr. Peter Fernandes
Principal & IQAC Chairman
AIET Mijar, Moodbidri

Alva's Institute of Engineering and Technology

In association with

Irish Centre for High-End Research, University of Galway

Internal Quality Assurance Cell (IQAC),
Geoinformatics Research Lab, IEEE Student Chapter (STB60215368)
Department of Artificial Intelligence and Machine Learning

IEEE AIET

Cordially Invites You
to the Inaugural Function of
Two Days hands on Workshop on

Geospatial Analysis and Machine Learning with Python

With the Benevolence of

Mr. Vivek Alva
Managing Trustee, AIET

Dr. Peter Fernandes
Principal & IQAC Chairman, AIET

Dr. Prakash P S
ICHEC, Ireland

Dr. Manjunath Kotari
IEEE Faculty Counselor, AIET

Prof. Harish Kynder
Head, AIML, AIET

Dr. Vinay S
GeoRL Lab, AIET

Date: 9th and 10th January 2024
Venue: Machine Learning Lab
Time: 9:30 AM to 5:00 PM

QGIS

GeoPandas

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
(Unit of Alva's Education Foundation (R), Moodbidri)
Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.
Recognized by Government of Karnataka.
Accredited by NAAC with A+ Grade
Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka
Ph: 08258-262725; Mob:722262724,7026262725,mail:principalaiet08@gmail.com

Department of Artificial Intelligence and Machine Learning

A Two Day Workshop was Conducted on topic "Geospatial Analysis and Machine Learning with Python" on 9th and 10th January 2024 in Association with Irish Center for High-End Research, University of Galway, GeoRL Lab, IEEE student Chapter, IQAC and Dept of AIML. During Inaugural function Dr. Prakash P.S, ICHEC , Ireland, Dr. Vinay S GeoRL Lab, Dr. Manjunath Khotari, HOD Dept of CSE and Prof. Harish Kunder, HOD, Dept of AIML were present.

About Speaker:

Dr. Prakash P.S., an esteemed expert in the field, served as the sole facilitator and speaker for both days. His engaging presentations, practical demonstrations, and interactive sessions created a dynamic learning environment, ensuring participants gained both theoretical knowledge and hands-on skills.

Objective: The two-day workshop aimed to provide participants with an in-depth understanding of geospatial analysis, Python programming, and the integration of Machine Learning (ML) techniques. Led by Dr. Prakash P.S., the workshop unfolded with a comprehensive exploration of innovative tools for handling and analysing geospatial data

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
(Unit of Alva's Education Foundation (R), Moodbidri)
Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.
Recognized by Government of Karnataka.
Accredited by NAAC with A+ Grade
Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka
Ph: 08258-262725; Mob:722262724,7026262725,mail:principalaiet08@gmail.com

Department of Artificial Intelligence and Machine Learning

Day - 1 (9th January)

1. Introduction to GIS, Remote Sensing, Python, and Machine Learning:

- Dr. Prakash P.S. commenced the workshop by providing a comprehensive overview of GIS and its intersection with remote sensing, Python programming, and machine learning. The session set the stage for the integration of innovative tools in geospatial analysis.

2. Installation and Setup of QGIS:

- Participants were guided through the installation and setup process of QGIS, an open-source GIS software. Dr. Prakash P.S. highlighted the significance of QGIS in geospatial data analysis and management, laying the groundwork for hands-on activities later in the workshop.

3. Creating Layers and Calculating Area of Polygons in a Selected Spatial Space:

- The workshop delved into practical applications with a focus on creating layers and calculating the area of polygons within a specified spatial scope. Participants actively engaged in exercises that enhanced their proficiency in using QGIS for geospatial data manipulation.

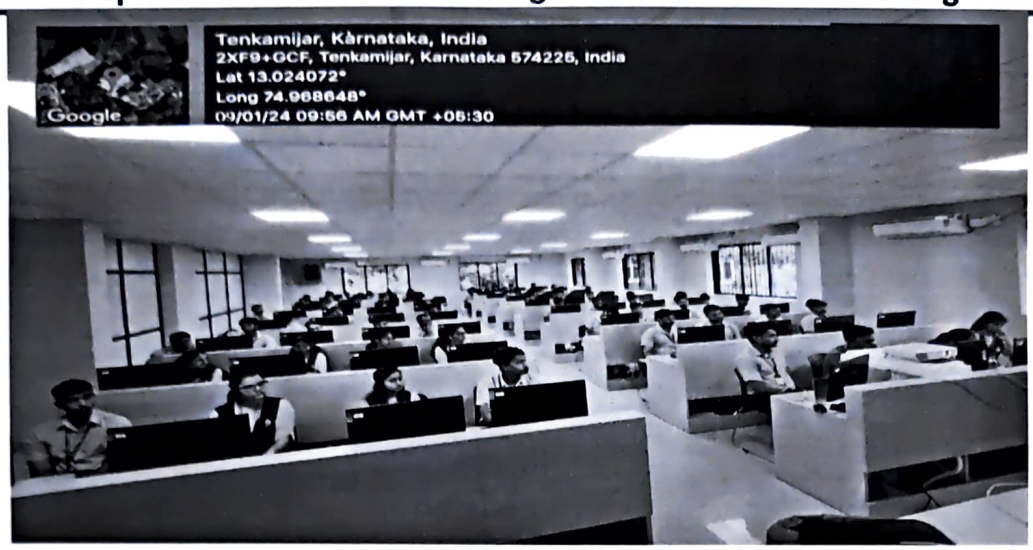
4. Working with Pandas and Geopandas Libraries in Python:

- Dr. Prakash P.S. introduced participants to the integration of Python with geospatial analysis through the Pandas and Geopandas libraries. Attendees gained practical experience in leveraging Python for data manipulation and analysis in the context of GIS.

Key Takeaways: The day concluded with a recap of key takeaways. Visual aids, including group photos, captured the enthusiasm and engagement of the participants. The collaborative learning environment set the stage for the subsequent day, where more advanced topics would be explored.

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
(Unit of Alva's Education Foundation (R), Moodbidri)
Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.
Recognized by Government of Karnataka.
Accredited by NAAC with A+ Grade
Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka
Ph: 08258-262725; Mob:722262724,7026262725,mail:principalaiet08@gmail.com

Department of Artificial Intelligence and Machine Learning



Day - 2 (10th January)

Innovative Tools - Geospatial Analysis and Machine Learning with Python Workshop

NumPy Operations for Image Sensing:

The second day of the workshop delved into more advanced topics, starting with the essential role of NumPy in image sensing. Visual documentation, including photos of participants actively engaging in importing NumPy and performing arithmetic array operations, provided a step-by-step visual guide.

RasterIO Installation and Image Handling:

Practical sessions continued with the installation of RasterIO, importing images from various sources, and reading them as arrays. Visual aids, including screenshots and photos, illustrated the process, ensuring participants had a clear understanding of handling geospatial imagery.

Maplotlib for Terrain Maps:

The visualization aspect was brought to life with the use of Matplotlib to plot terrain maps of the imported images. Visual aids, such as plots and photos capturing the participants' exploration, enriched the learning experience.

Machine Learning Integration - Data Preparation:

The workshop seamlessly integrated geospatial analysis with Machine Learning. Participants delved into data preparation steps, ensuring a solid foundation for the subsequent machine learning sessions. Visual documentation highlighted the application of preprocessing techniques to geospatial datasets.

Machine Learning - Model Training and Prediction:

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
(Unit of Alva's Education Foundation (R), Moodbidri)
Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.
Recognized by Government of Karnataka.
Accredited by NAAC with A+ Grade
Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka
Ph: 08258-262725; Mob:722262724,7026262725,mail:principalaiet08@gmail.com

Department of Artificial Intelligence and Machine Learning

Dr. Prakash P.S. guided participants through the intricacies of machine learning, covering model training, parameter definition, and the application of prediction models to geospatial datasets. Visual aids, including code snippets and photos, provided a comprehensive understanding of the ML workflow.

Confusion Matrix and Workshop Conclusion:

The workshop concluded with a detailed exploration of confusion matrices, offering insights into model evaluation for geospatial ML applications. Visual documentation, including photos capturing the concluding moments, highlighted the collaborative learning experience and marked the successful completion of the two-day workshop.

Key Takeaways: The day ended with a visual recap capturing the key takeaways. Participants were photographed discussing insights gained, engaging in hands-on activities, and showcasing the collaborative learning moments. The second day solidified the participants' understanding of advanced geospatial analysis and machine learning concepts.

Participants:

The workshop saw enthusiastic participation from members of the GeoRL Lab, IEEE, and 5th- semester students of the AIML branch at Alvas Institute of Engineering and Technology. The collaboration with the Irish Center for High-End Research, University of Galway, added a global dimension to the diverse group of participants.

Conclusion:

The two-day workshop successfully achieved its objectives of providing a comprehensive understanding of geospatial analysis, Python programming, and Machine Learning. Participants left with valuable insights into the application of innovative tools in geospatial data manipulation and analysis. The interactive and collaborative nature of the workshop fostered a positive learning experience, equipping attendees with the skills necessary to address real-world geospatial challenges. Overall, the workshop represented a significant step towards bridging the gap between traditional geospatial analysis and emerging technologies.

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
(Unit of Alva's Education Foundation (R), Moodbidri)
Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.
Recognized by Government of Karnataka.
Accredited by NAAC with A+ Grade
Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka
Ph: 08258-262725; Mob:722262724,7026262725,mail:principalaiet08@gmail.com

Department of Artificial Intelligence and Machine Learning

HOD-AIML
Head of the Department
Dept. of Artificial Intelligence & Machine Learning
Alva's Institute of Engineering and Technology
Shobhavana Campus, Mijar
Moodubidire 574 225, D.K. Karnataka, India

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
(Unit of Alva's Education Foundation (R), Moodbidri)
Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.
Recognized by Government of Karnataka.
Accredited by NAAC with A+ Grade
Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka
Ph: 08258-262725, Mob:722262724,7026262725,mail:principalaiet08@gmail.com

Department of Artificial Intelligence and Machine Learning

Attendance Sheet

Geospatial Analysis and Machine Learning with Python

Sl No	USN	Name	9/1/24		10/1/24	
1	4AL21AI001	ABHINAV ASHOK				
2	4AL21AI002	ABHISHEK				
3	4AL21AI003	ABHISHEK MADAN GUNAGI				
4	4AL21AI004	BHARAT KUMAR K S				
5	4AL21AI005	BHAVISH				
6	4AL21AI006	D CHANDAN LAGUBIGI				
7	4AL21AI007	DARSHAN				
8	4AL21AI008	DEEKSHITHA				
9	4AL21AI009	DEEPIKA S U				
10	4AL21AI010	DHANUSH J S				
11	4AL21AI011	DILIP KUMAR K				
12	4AL21AI012	DURGESH SHETTY				
13	4AL21AI013	GANESHRAJ S				
14	4AL21AI014	GLEVIN FVON ROCHE				
15	4AL21AI015	GURURAGAVENDRA PALURI				
16	4AL21AI016	HEMAN KRISHNA S				
17	4AL21AI017	K R VIVEK				
18	4AL21AI018	KISHAN KARYAPPA K				
19	4AL21AI019	LOHITH S GOWDA				
20	4AL21AI020	MOHAMMAD SAHIL				
21	4AL21AI021	MAHESH P K				
22	4AL21AI022	MAHIM THARESH DEVADIGA				
23	4AL21AI023	MANOHARA M				
24	4AL21AI024	MOHAMMED ZAAFEER				
25	4AL21AI025	NIKHITHA H R				
26	4AL21AI026	NITHEESH				
27	4AL21AI027	NITHIN				
28	4AL21AI028	NITHIN M				
29	4AL21AI029	PAVAN PANI				
30	4AL21AI030	POOJA H				
31	4AL21AI031	PRAJWAL RAO				
32	4AL21AI032	PRATHIKSHA E				
33	4AL21AI033	PRIYANKA M G				
34	4AL21AI034	PRIYANKA N				
35	4AL21AI035	PUNITH KUMAR P V				
36	4AL21AI036	RAKSHITHA				

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
(Unit of Alva's Education Foundation (R), Moodbidri)
Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.
Recognized by Government of Karnataka.
Accredited by NAAC with A+ Grade
Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka
Ph: 08258-262725; Mob:722262724,7026262725,mail:principalaiet08@gmail.com

Department of Artificial Intelligence and Machine Learning

37	4AL21AI037	ROHITVILAS REDDY C				
38	4AL21AI038	SANEESHA PRASHANT KADAM				
39	4AL21AI039	SATHVIK S				
40	4AL21AI040	SHARATH R				
41	4AL21AI041	SHASHANK A PALAN				
42	4AL21AI042	SHASHANK B				
43	4AL21AI043	SHASHANKA C				
44	4AL21AI044	SHASHIDHARA G HOSAMANI				
45	4AL21AI045	SHETTY CHINTAN ASHOK				
46	4AL21AI046	SHIVARAJ BASAVARAJ P.				
47	4AL21AI047	SHRISHANTH S SHETTY				
48	4AL21AI048	SRIDHAR V				
49	4AL21AI049	SRUJAN E S				
50	4AL21AI050	SUHAS S				
51	4AL21AI051	SUMANTH N				
52	4AL21AI052	SUSHILA KHANDAPPA N				
53	4AL21AI053	SYED TASLEEM AHMED				
54	4AL21AI054	TARUN M				
55	4AL21AI055	TELI ABHISHEK ASHOK				
56	4AL21AI056	UDAY KIRAN				
57	4AL21AI057	V J JISON				
58	4AL21AI058	VANDITHA T C				
59	4AL21AI059	VARSHINI M N				
60	4AL21AI060	VISHAL DSOUZA				
61	4AL21AI061	Y JAYA PRAKASH YADAV				
62	4AL21AI062	YASHWANTH R				
63	4AL21AI063	SHALINI				
64	4AL22AI400	AJAY K A				
65	4AL22AI401	VIDYALAXMI				
66	4AL22AI402	PRAMOD S L				

HOD-AIML

Head of the Department
Dept. of Artificial Intelligence & Machine Learning
Alva's Institute of Engineering and Technology
Shobhavana Campus, Mijar
Moodbidire - 574 225, D.K. Karnataka, India

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
A Unit of Alva's Education Foundation (R)
Shobhavana Campus, Mijar, Moodbidri- 574 225, Mangalore, D.K., Karnataka State.
Accredited with A+ by NAAC & NBA (CSE & ECE)

DEPARTMENT OF COMPUTER SCIENCE AND DESIGN

WORKSHOP ON

HTML-CSS, PHP, XAMPP

Prof.Jayantkumar A Rathod
Head.Department of CSD

Dr.Pushparani M K
Coordinator

VENUE: CSD LAB

DATE: 6/11/2023

BY:
SHARVARI AND MANOJ
5th sem

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Alva's Education Foundation (R)
(Affiliated to Visvesvaraya Technological University, Belagavi.
Approved by AICTE, New Delhi & & Recognized by Government of Karnataka) Shobhavana Campus, Mijar, Moodbidri- 574 225, Mangalore, D.K., Karnataka State.
Accredited with A+ by NAAC & NBA (CSE & ECE)

Department of Computer Science and Design

Circular

Date:3/11/2023

Final-year students Sharvari and Manoj will conduct sessions on HTML-CSS, PHP, XAMPP, and demonstrate a DBMS Mini Project with hands-on tasks and interactive activities.

Students are encouraged to participate and make the most of this learning opportunity.

Coordinator

Dr.Pushparani M K

Sr.Asst.Professor

HoD

Prof.Jayantkumar A Rathod

Associate Professor & Head

H.O.D
Dept. of Computer Science and Design
Alva's Institute of Engg. & Technology
Mijar, Moodubidire - 574 225

PRINCIPAL
Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
A Unit of Alva's Education Foundation (R)
(Affiliated to Visvesvaraya Technological University, Belagavi.
Approved by AICTE, New Delhi & & Recognized by Government of Karnataka)
Shobhavana Campus, Mijar, Moodbidri- 574 225, Mangalore, D.K., Karnataka State.
Accredited with A+ by NAAC & NBA (CSE & ECE)

Department of Computer Science and Design

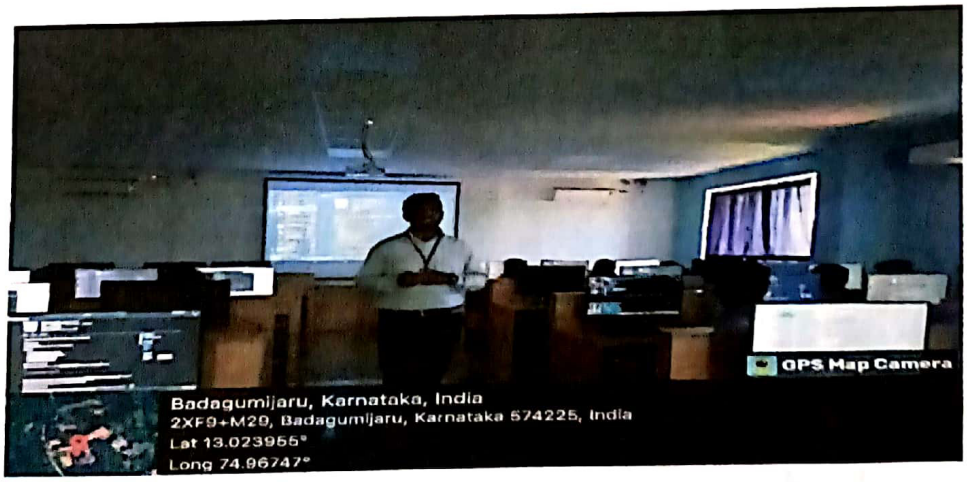
One-Day Workshop Report

On

"Workshop on HTML, CSS, Xampp"

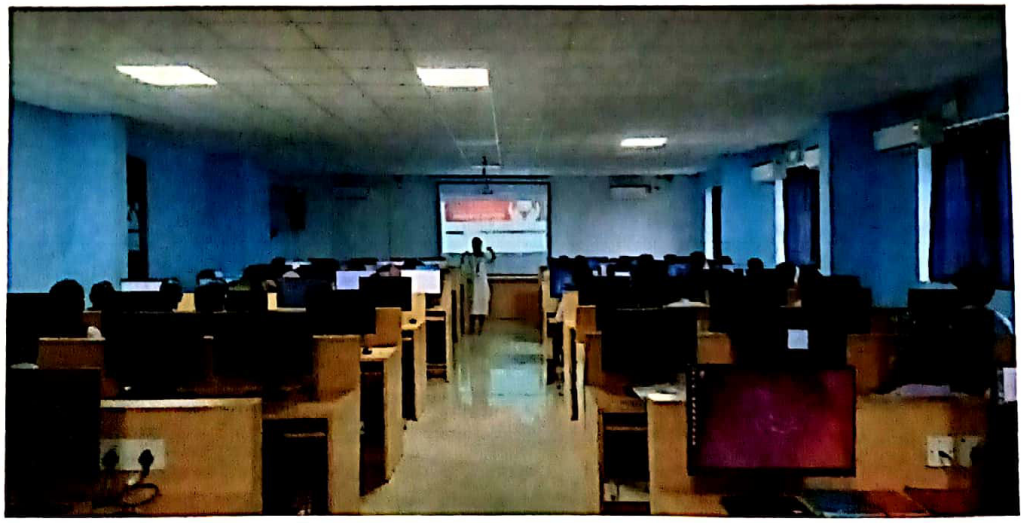
The Department of Computer Science and Design successfully organized a one-day workshop to enhance the technical knowledge of 2nd-year students. The workshop focused on essential topics relevant to web development and database management, including HTML, DBMS Mini Project, and XAMPP. These topics are crucial for building a strong foundation in both front-end and back-end development.

The sessions were conducted by final-year students, Sharvari and Manoj, who meticulously prepared and delivered the content, ensuring it was both informative and engaging. As peer mentors, Sharvari and Manoj used their expertise to teach the 3rd-year students key concepts, from the basics of HTML to the creation of dynamic websites, as well as practical database management techniques through a mini project. Additionally, they introduced XAMPP, explaining its role in setting up a local server environment for web development.



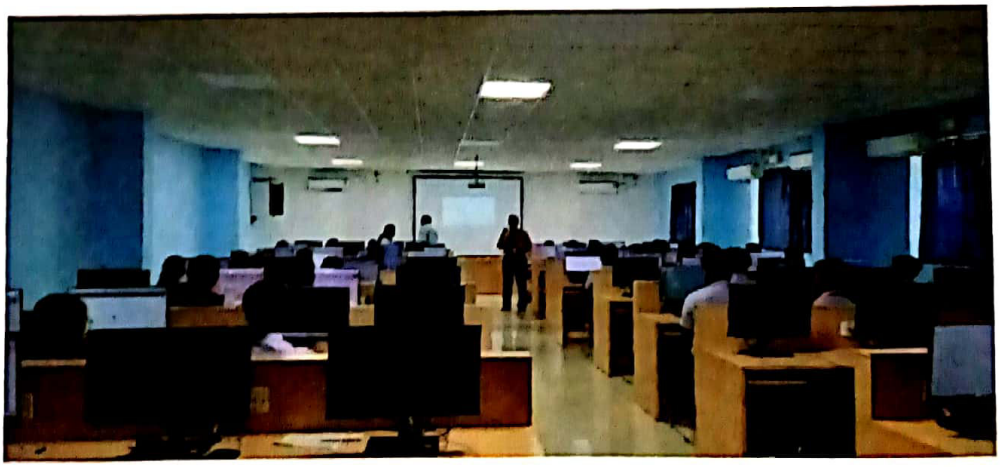
The workshop covered a range of topics designed to enhance the participants' technical skills:

- HTML: Basics of creating websites, HTML structure, tags, and formatting.
- CSS: Introduction to Cascading Style Sheets (CSS), styling web pages, layout design, and responsive web design techniques.
- PHP: Introduction to server-side scripting using PHP, creating dynamic web pages, and handling form data.
- DBMS Mini Project: Introduction to database management systems, database design, and building a mini project using SQL.
- XAMPP: Understanding the local server environment, installation of XAMPP, and its use in web development for hosting websites locally.
- Interactive Learning: To make learning engaging and practical, Sharvari and Manoj included various interactive activities such as quizzes, games, and tasks. These activities were designed to help students understand the topics more effectively while also encouraging teamwork and problem-solving skills.
- Hands-On Project: A hands-on session was conducted, during which participants worked on real-world projects. This allowed them to apply the concepts they had learned throughout the day and improve their technical proficiency.
- Project Demonstrations: Final-year students also demonstrated live projects, offering insights into the process of building a successful project. This provided the 3rd-year students with a clear understanding of the development stages and the necessary skills required to create their projects.



The main learning objectives of the Workshop:

1. Equip students with essential computing skills in HTML, DBMS, and XAMPP.
2. Foster a deeper understanding of web development and database management.
3. Enhance practical knowledge through hands-on projects and real-world demos.
4. Engage students in learning through interactive tasks and activities.



Outcomes:

The workshop was a great success, with 2nd-year students showing increased confidence in the discussed topics. They expressed appreciation for the hands-on approach and the opportunity to learn from their senior peers. Many students noted that the interactive games and project demos helped solidify their understanding of the concepts.

The Head of the Department thanked Sharvari and Manoj for their exceptional efforts in conducting the workshop and guiding the students. Special appreciation was given to all participants for their enthusiasm and active involvement.

Coordinator

Dr. Pushparani MK
Sr.Asst.Professor

HOD

Prof.Jayanthumar A Rathod
Associate Professor & Head

H.O.D
Dept. of Computer Science and Design
Alva's Institute of Engg. & Technology
Mijar, Moodubidire - 574 225

Principal

PRINCIPAL
Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(Unit of Alva's Education Foundation (R), Moodbidri)
Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi. Recognized by Government of Karnataka.
A+, Accredited by NAAC & NBA (ECE & CSE)
Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka

Department of Computer Science and Design

Date: 6 | 11 | 2023

HTML-CSS, PHP, XAMPP, and demonstrate a DBMS mini Project

with hands-on

Attendance Sheet

Sl.Nu.	USN	Student Name	Signature
~~1~~	~~Hemat Yunavalli~~		
1	4AL21CG010	Hemat Yunav	
	4AL21CG007	Alex Tayenjam	
3	4AL21CG006	Anusha.	
4	4AL21CG027	Harshith	
5	4AL21CG019	Dhanu Sri R	
7	4AL21CG040	Nayana S M	
8	4AL21CG053	Shravya	
9	4AL21CG051	Shibani	
10	4AL21CG059	Suraksha	
11	4AL21CG047	Riddi R Hegde	
12	4AL21CG048	Sanjhya Moolya	
13.	4AL21CG052	Shivani	
14	4AL21CG054	Shreeya	
15	4AL21CG045	Rakshitha	
16	4AL21CG024	Ghanshyam	
17	~~Abhishek F~~ 4AL21CG002	Abhishek F B	
18	4AL21CG004	Adarsh Bhandarkar	
19	4AL22CG401	Chethan	
20	4AL21CG014	Chinmay. T N	
21	4AL21CG044	Pakala Siddesh	
22	4AL21CG029	Sahnavi. V	
23	4AL21CG026	Tushar H.M	
24	4AL21CG043	Rachana	
25	4AL21CG041	Nishaan	

26	Deepashree G Naik	4AL21CG017	
27	Eshwari K C	4AL21CG023	
28	Sindhu N	4AL21CG055	
29	Lakshmisha K A	4AL21CG034	
30	ASHWINI. K. S	4AL21CG008	
31	Girreesh.H	4AL21CG025	
32	Prathviraj.K	4AL21CG042	
33	4AL21CG046	Ranjeeth. P. Jain	
34	4AL21CG056	Sree Ganesh M S	
35	4AL11CG018	Roshni. N.	
36	4AL21CG031	Karthik	
37	4AL22CG400	Madhusudhan K.S	
38	4AL21CG016	Deekshith	
39	4AL21CG032	Koothik Naik	
40	4AL20CG402	Suresh	
41	4AL21CG049.	Sharvari m s	
42	4AL21CG061	Vimalkumar U. Revankar	

Coordinator

H.O.D
Dept. of Computer Science and Design
Alva's Institute of Engg. & Technology
Mijar, Moodubidire - 574 225

Alva's Institute of Engineering & Technology
Shobhavana Campus, Mijar, Moodbidri, D.K – 574225
Phone: 08258-262725, Fax: 08258-262726

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
(Accredited by NBA, New Delhi 2019-2022)

Technical Workshop Report: 3D Modelling and Game Development

Date: 3rd October 2023

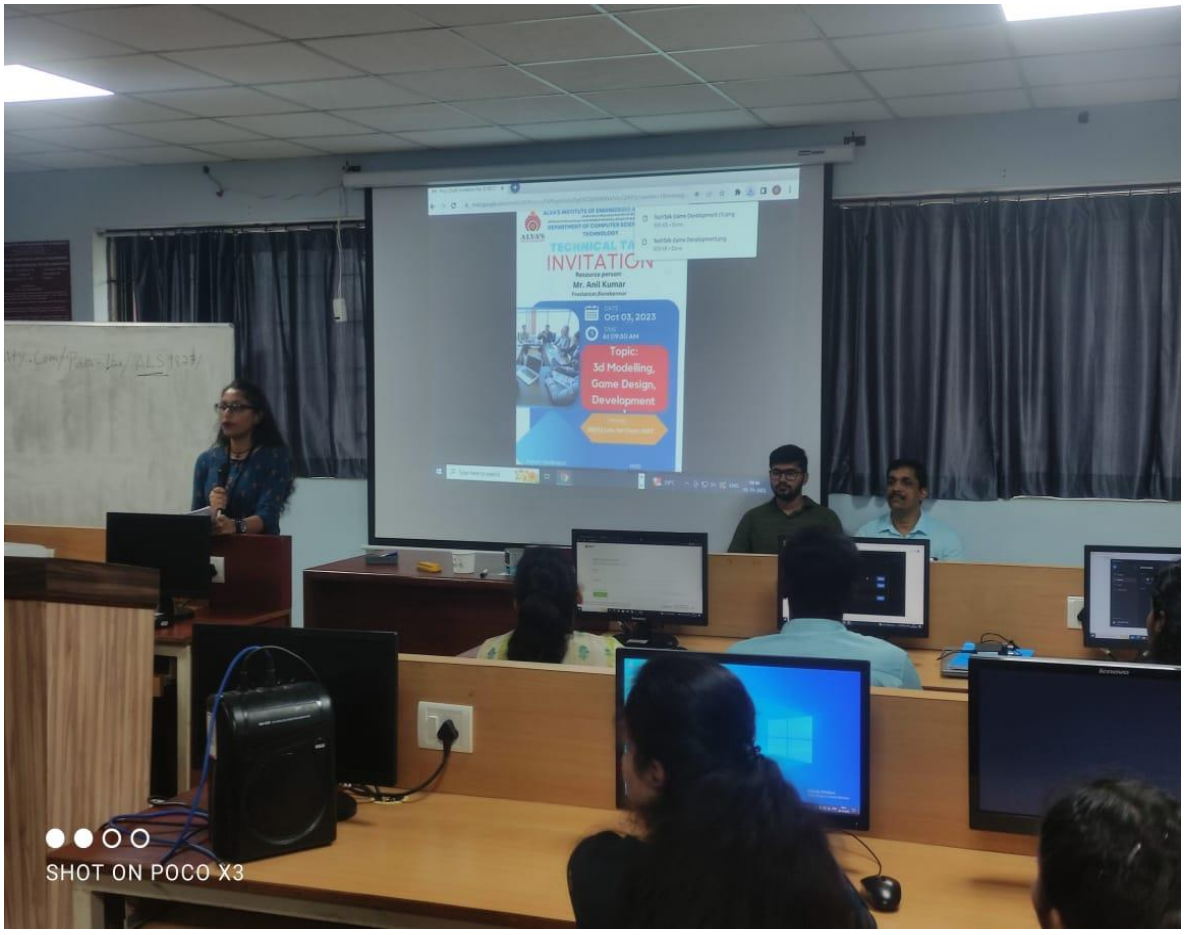
Venue: DBMS Lab, Department of Computer Science and Engineering, AIET

Time: 9:30 am

Resource Person: Mr. Anil Rokhade, Freelancer, Ranebennur

The Technical Workshop on 3D Modelling and Game Development, organized by "C maniax" Department of Computer Science and Engineering, AIET, was successfully conducted on 3rd October 2023. The workshop took place in the DBMS Lab, commencing at 9:30 am.

The event began with an inauguration ceremony where the Head of Department, Dr. Manjunath Kothari, delivered a presidential address highlighting the importance of game development and its future prospects. The Chief Guest, Mr. Anil Rokhade, a renowned freelancer from Ranebennur, shared his expertise and insights on 3D modeling and game development with the gathering.



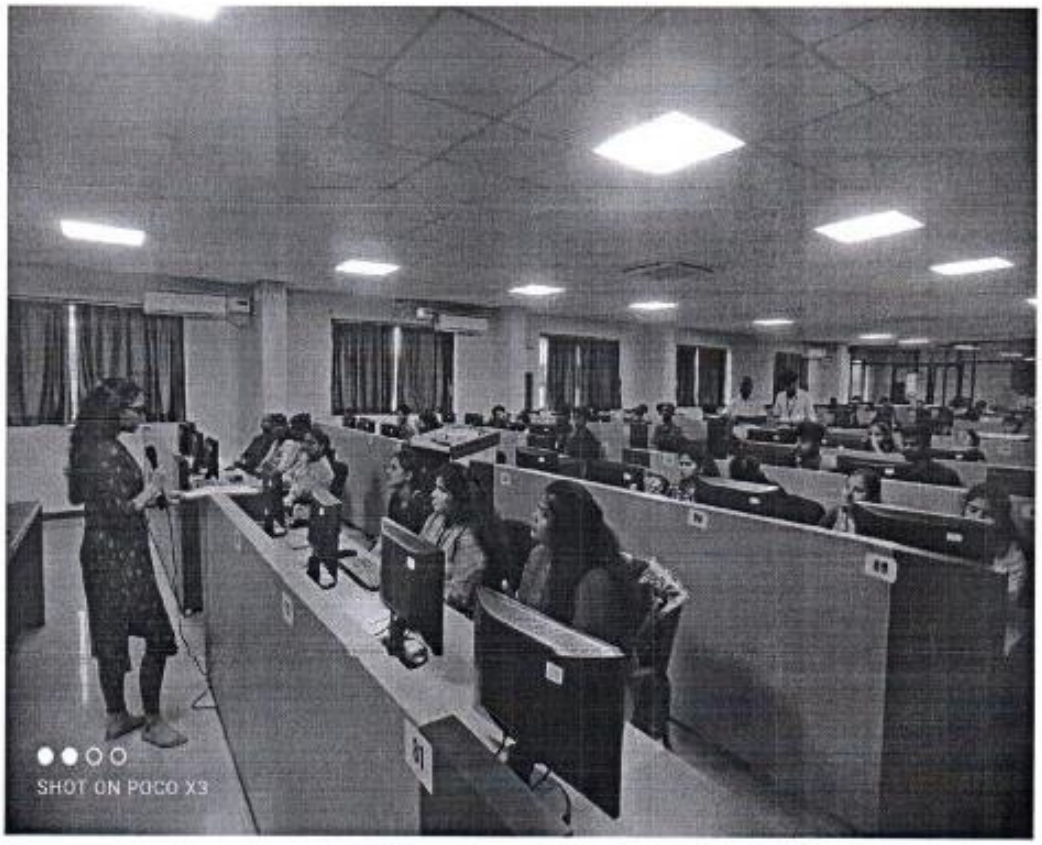
During the workshop, Mr. Anil Rokhade covered various topics related to game development, including the Unity 3D framework and other essential tools and techniques. Participants gained hands-on experience in designing and developing interactive 3D models

for games.

The workshop witnessed active participation from students who showed a keen interest in the field of game development. The practical sessions and demonstrations allowed them to explore the creative possibilities of 3D modeling and understand the process of game development from scratch.

The event was a great success, providing an excellent platform for students to enhance their skills in 3D modeling and game development. We extend our sincere thanks to Mr. Anil Rokhade for sharing his expertise and making the workshop engaging and informative. We express our gratitude to all the participants for their enthusiasm and active involvement. "C maniax" Department of Computer Science and Engineering aims to organize more such

workshops in the future, equipping students with the knowledge and skills required in the ever-evolving field of game development.



Head of the Department
Dept. of Computer Science & Engineering
Alva's Institute of Engineering and Technology
Mijar, Moodubidire - 574 225, D.K. Karnataka, India

Workshop On Open-Source Tools

Date: 07/12/2023, 08/12/2023, 11/12/2023

Location: DS LAB

Target Audience: Basic of Linux, LinkedIn and GitHub

Report of Day 1

BASIC OF LINUX

This workshop was conducted on **07/12/2023** for the **3rd sem A section** students by the **C-Maniax** aim if the of the workshop to provided an introduction to the basics of Linux, demystifying its core concepts and equipping participants with fundamental skills to navigate and interact with this popular open-source operating system.

Topics Covered:

- What is Linux? - Unveiling the Linux family, its history, and key characteristics.
- Linux Distributions: Exploring popular distributions like Ubuntu, Fedora, and Debian, highlighting their strengths and differences.
- Graphical User Interface (GUI): Navigating the desktop environment, launching applications, and managing files and folders.
- Command Line Interface (CLI): Introduction to the terminal, basic commands for navigating the file system, manipulating files, and managing processes.
- File System Structure: Understanding the directory tree structure, permissions, and accessing files.
- Essential Commands: Learning fundamental commands for listing files, copying and moving data, checking system information, and managing users.
- Scripting for Automation: A brief introduction to shell scripting for automating repetitive tasks.
- Additional Resources: Recommending online resources and tutorials for further learning.

Activities:

- Hands-on exercises: Participants practiced navigating the GUI and CLI through guided tasks and challenges.
- Interactive Q&A session: Facilitate open discussion and address participant queries throughout the workshop.
- Optional post-workshop activity: Suggest individual exploration of chosen distribution for continued learning.

Outcomes:

- Participants gained a practical understanding of basic Linux concepts and functionalities.
- Attendees learned essential commands for navigating the file system and managing files.

- Participants built confidence using the command line interface for basic tasks.
- The workshop stimulated interest in further exploration of Linux for personal and professional use.

Next Steps:

- Encourage participants to explore the recommended resources and continue practicing their skills.
- Offer follow-up sessions or advanced workshops to delve deeper into specific Linux topics.
- Gather feedback from participants to improve future workshops.

Overall, the workshop successfully introduced participants to the fundamentals of Linux, promoting its accessibility and versatility. The hands-on approach and interactive environment fostered a positive learning experience and ignited curiosity for further exploration of this powerful operating system.

BASIC OF LINKEDIN

This topic was taken to give basic of linedin for empowered participants to unlock the full potential of LinkedIn, the world's largest professional network. We equipped them with essential strategies and tactics to build a powerful online presence, connect with key people, and leverage LinkedIn for career advancement or business growth.

Topics Covered:

- The Power of LinkedIn: Exploring the platform's benefits for individual and professional development.
- Crafting a Compelling Profile: Optimizing profile sections like headline, summary, experience, and skills to showcase your value proposition.
- Networking Strategies: Understanding effective connection building techniques, joining relevant groups, and engaging with industry voices.
- Content Marketing on LinkedIn: Sharing valuable insights and expertise through engaging posts, articles, and videos to become a thought leader.
- Job Search Strategies: Utilizing LinkedIn's advanced search tools, crafting winning job applications, and leveraging networking for hidden opportunities.
- Leveraging LinkedIn for Business: Implementing strategies for lead generation, brand building, and connecting with potential clients or partners.

- Advanced Tips & Tricks: Unveiling lesser-known features and hacks to maximize your LinkedIn experience.

Activities:

- Profile Makeover Session: Participants received personalized feedback and guidance on improving their LinkedIn profiles.
- Networking Simulation: Interactive exercises on breaking the ice, engaging in meaningful conversations, and building impactful connections.
- Content Creation Workshop: Brainstorming engaging content ideas and practicing effective article writing for LinkedIn.
- Mock Job Interviews: Guided practice sessions for crafting a compelling cover letter and excelling in virtual interviews.

Outcomes:

- Participants gained a comprehensive understanding of LinkedIn's functionalities and its potential for their personal and professional goals.
- They learned how to optimize their profiles and leverage strategies for effective networking and job search.
- Attendees developed skills for content creation and utilizing LinkedIn as a platform for thought leadership and brand building.
- The workshop inspired confidence and equipped participants with actionable strategies to make the most of their LinkedIn presence.

Next Steps:

- Encourage participants to implement the learned strategies and actively engage on LinkedIn.
- Offer follow-up resources and support, including Q&A sessions or webinars.
- Consider conducting advanced workshops covering specific topics like LinkedIn Sales Navigator or content marketing strategies.

Overall, the workshop proved insightful and empowering, equipping participants with the tools and knowledge to succeed on LinkedIn. By fostering a hands-on and interactive environment, the workshop fueled an understanding of this powerful platform's potential for career advancement, business growth, and professional networking.

BASIC OF GITHUB

This workshop unveiled the wonders of Git and GitHub, empowering participants with the foundational knowledge and skills to navigate this powerful version control platform. We demystified key concepts like version control, repositories, branches, and collaboration, equipping participants to manage their projects effectively and collaborate seamlessly with others.

Topics Covered:

- Version Control Demystified: Understanding the benefits and importance of version control for managing project changes.
- Introducing Git: Exploring the fundamentals of Git, its core commands, and working directory structure.
- Meet GitHub: Unveiling the functionalities of GitHub as a web-based platform for hosting Git repositories and collaboration.
- Creating Your First Repository: Stepping into the world of GitHub by setting up a new repository and understanding its components.
- Versioning with Git: Mastering basic Git commands for adding, tracking, committing, and reverting changes to your project files.
- Branching Out: Exploring the power of branching to experiment with different versions of your project without affecting the main codebase.
- Collaboration through Pull Requests: Learning how to share your changes with others and merge them seamlessly into the main branch using pull requests.
- Troubleshooting Common Issues: Demystifying common Git errors and providing guidance on resolving them effectively.

Activities:

- Hands-on Exercises: Participants practiced Git commands and GitHub workflows through interactive exercises, solidifying their understanding through practical application.
- Live Demo: Facilitator showcased common Git and GitHub actions during a live demonstration, providing visual cues to complement theoretical explanations.
- Q&A Session: An open forum for participants to ask questions, clarify doubts, and gain deeper insights into specific aspects of Git and GitHub.

Outcomes:

- Participants gained a solid understanding of Git and GitHub's core concepts and functionalities.
- They learned essential Git commands for versioning, branching, and collaborating on projects.
- Attendees developed confidence in working with Git and GitHub to manage their code effectively.
- The workshop sparked an interest in further exploring Git and GitHub's advanced features for more complex projects.

Next Steps:

- Encourage participants to practice their newly acquired skills on personal projects or collaborate with others on GitHub.
- Recommend online resources and tutorials for further learning and exploring advanced Git and GitHub features.
- Offer follow-up support and Q&A sessions to address any challenges participants may encounter.

Overall, the workshop successfully demystified Git and GitHub, providing participants with a strong foundation for version control and collaboration. The interactive format and hands-on exercises fueled understanding and fostered confidence in utilizing these powerful tools to manage and share their projects effectively.

REPORT OF DAY 2

BASIC OF LINUX

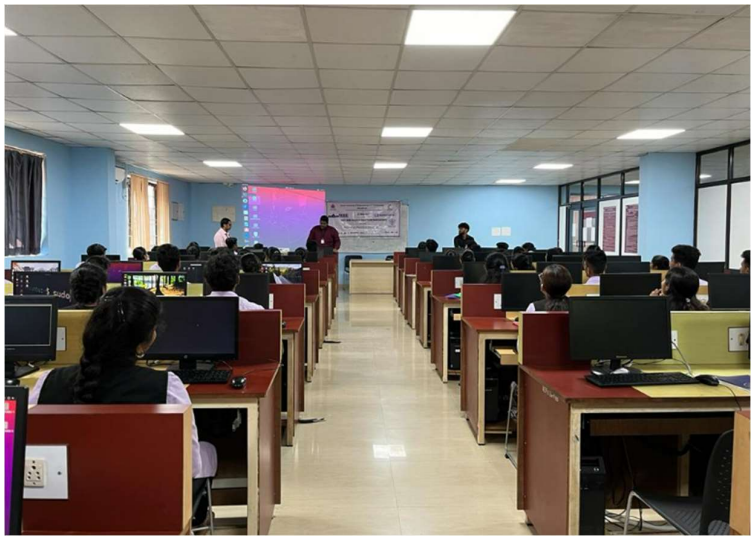
This workshop was conducted on **08/12/2023** for the **3rd sem B section** students by the **C-Maniax** aim if the of the workshop to provided an introduction to the basics of Linux, demystifying its core concepts and equipping participants with fundamental skills to navigate and interact with this popular open-source operating system.

Topics Covered:

- What is Linux? - Unveiling the Linux family, its history, and key characteristics.
- Linux Distributions: Exploring popular distributions like Ubuntu, Fedora, and Debian, highlighting their strengths and differences.
- Graphical User Interface (GUI): Navigating the desktop environment, launching applications, and managing files and folders.
- Command Line Interface (CLI): Introduction to the terminal, basic commands for navigating the file system, manipulating files, and managing processes.
- File System Structure: Understanding the directory tree structure, permissions, and accessing files.
- Essential Commands: Learning fundamental commands for listing files, copying and moving data, checking system information, and managing users.
- Scripting for Automation: A brief introduction to shell scripting for automating repetitive tasks.
- Additional Resources: Recommending online resources and tutorials for further learning.

Activities:

- Hands-on exercises: Participants practiced navigating the GUI and CLI through guided tasks and challenges.
- Interactive Q&A session: Facilitate open discussion and address participant queries throughout the workshop.
- Optional post-workshop activity: Suggest individual exploration of chosen distribution for continued learning.



Outcomes:

- Participants gained a practical understanding of basic Linux concepts and functionalities.
- Attendees learned essential commands for navigating the file system and managing files.
- Participants built confidence using the command line interface for basic tasks.
- The workshop stimulated interest in further exploration of Linux for personal and professional use.

Next Steps:

- Encourage participants to explore the recommended resources and continue practicing their skills.
- Offer follow-up sessions or advanced workshops to delve deeper into specific Linux topics.
- Gather feedback from participants to improve future workshops.

Overall, the workshop successfully introduced participants to the fundamentals of Linux, promoting its accessibility and versatility. The hands-on approach and interactive environment fostered a positive learning experience and ignited curiosity for further exploration of this powerful operating system.

BASIC OF LINKEDIN

This topic was taken to give basic of linedin for empowered participants to unlock the full potential of LinkedIn, the world's largest professional network. We equipped them with essential strategies and tactics to build a powerful online presence, connect with key people, and leverage LinkedIn for career advancement or business growth.

Topics Covered:

- The Power of LinkedIn: Exploring the platform's benefits for individual and professional development.
- Crafting a Compelling Profile: Optimizing profile sections like headline, summary, experience, and skills to showcase your value proposition.
- Networking Strategies: Understanding effective connection building techniques, joining relevant groups, and engaging with industry voices.
- Content Marketing on LinkedIn: Sharing valuable insights and expertise through engaging posts, articles, and videos to become a thought leader.
- Job Search Strategies: Utilizing LinkedIn's advanced search tools, crafting winning job applications, and leveraging networking for hidden opportunities.
- Leveraging LinkedIn for Business: Implementing strategies for lead generation, brand building, and connecting with potential clients or partners.
- Advanced Tips & Tricks: Unveiling lesser-known features and hacks to maximize your LinkedIn experience.

Activities:

- Profile Makeover Session: Participants received personalized feedback and guidance on improving their LinkedIn profiles.

- Networking Simulation: Interactive exercises on breaking the ice, engaging in meaningful conversations, and building impactful connections.
- Content Creation Workshop: Brainstorming engaging content ideas and practicing effective article writing for LinkedIn.
- Mock Job Interviews: Guided practice sessions for crafting a compelling cover letter and excelling in virtual interviews.

Outcomes:

- Participants gained a comprehensive understanding of LinkedIn's functionalities and its potential for their personal and professional goals.
- They learned how to optimize their profiles and leverage strategies for effective networking and job search.
- Attendees developed skills for content creation and utilizing LinkedIn as a platform for thought leadership and brand building.
- The workshop inspired confidence and equipped participants with actionable strategies to make the most of their LinkedIn presence.

Next Steps:

- Encourage participants to implement the learned strategies and actively engage on LinkedIn.
- Offer follow-up resources and support, including Q&A sessions or webinars.
- Consider conducting advanced workshops covering specific topics like LinkedIn Sales Navigator or content marketing strategies.

Overall, the workshop proved insightful and empowering, equipping participants with the tools and knowledge to succeed on LinkedIn. By fostering a hands-on and interactive environment, the workshop fueled an understanding of this powerful platform's potential for career advancement, business growth, and professional networking.

BASIC OF GITHUB

This workshop unveiled the wonders of Git and GitHub, empowering participants with the foundational knowledge and skills to navigate this powerful version control platform. We demystified key concepts like version control, repositories, branches, and collaboration, equipping participants to manage their projects effectively and collaborate seamlessly with others.

Topics Covered:

- Version Control Demystified: Understanding the benefits and importance of version control for managing project changes.
- Introducing Git: Exploring the fundamentals of Git, its core commands, and working directory structure.
- Meet GitHub: Unveiling the functionalities of GitHub as a web-based platform for hosting Git repositories and collaboration.
- Creating Your First Repository: Stepping into the world of GitHub by setting up a new repository and understanding its components.
- Versioning with Git: Mastering basic Git commands for adding, tracking, committing, and reverting changes to your project files.
- Branching Out: Exploring the power of branching to experiment with different versions of your project without affecting the main codebase.
- Collaboration through Pull Requests: Learning how to share your changes with others and merge them seamlessly into the main branch using pull requests.
- Troubleshooting Common Issues: Demystifying common Git errors and providing guidance on resolving them effectively.

Activities:

- Hands-on Exercises: Participants practiced Git commands and GitHub workflows through interactive exercises, solidifying their understanding through practical application.
- Live Demo: Facilitator showcased common Git and GitHub actions during a live demonstration, providing visual cues to complement theoretical explanations.
- Q&A Session: An open forum for participants to ask questions, clarify doubts, and gain deeper insights into specific aspects of Git and GitHub.

Outcomes:

- Participants gained a solid understanding of Git and GitHub's core concepts and functionalities.
- They learned essential Git commands for versioning, branching, and collaborating on projects.
- Attendees developed confidence in working with Git and GitHub to manage their code effectively.

- The workshop sparked an interest in further exploring Git and GitHub's advanced features for more complex projects.

Next Steps:

- Encourage participants to practice their newly acquired skills on personal projects or collaborate with others on GitHub.
- Recommend online resources and tutorials for further learning and exploring advanced Git and GitHub features.
- Offer follow-up support and Q&A sessions to address any challenges participants may encounter.

Overall, the workshop successfully demystified Git and GitHub, providing participants with a strong foundation for version control and collaboration. The interactive format and hands-on exercises fueled understanding and fostered confidence in utilizing these powerful tools to manage and share their projects effectively.

Report of Day 3

BASIC OF LINUX

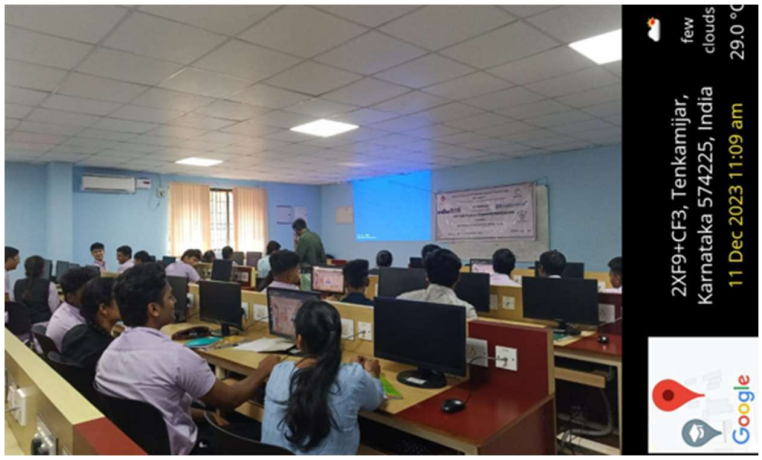
This workshop was conducted on **11/12/2023** for the **3rd sem C section** students by the **C-Maniax** aim if the of the workshop to provided an introduction to the basics of Linux, demystifying its core concepts and equipping participants with fundamental skills to navigate and interact with this popular open-source operating system.

Topics Covered:

- What is Linux? - Unveiling the Linux family, its history, and key characteristics.
- Linux Distributions: Exploring popular distributions like Ubuntu, Fedora, and Debian, highlighting their strengths and differences.
- Graphical User Interface (GUI): Navigating the desktop environment, launching applications, and managing files and folders.
- Command Line Interface (CLI): Introduction to the terminal, basic commands for navigating the file system, manipulating files, and managing processes.
- File System Structure: Understanding the directory tree structure, permissions, and accessing files.
- Essential Commands: Learning fundamental commands for listing files, copying and moving data, checking system information, and managing users.
- Scripting for Automation: A brief introduction to shell scripting for automating repetitive tasks.
- Additional Resources: Recommending online resources and tutorials for further learning.

Activities:

- Hands-on exercises: Participants practiced navigating the GUI and CLI through guided tasks and challenges.
- Interactive Q&A session: Facilitate open discussion and address participant queries throughout the workshop.
- Optional post-workshop activity: Suggest individual exploration of chosen distribution for continued learning.



Outcomes:

- Participants gained a practical understanding of basic Linux concepts and functionalities.
- Attendees learned essential commands for navigating the file system and managing files.
- Participants built confidence using the command line interface for basic tasks.
- The workshop stimulated interest in further exploration of Linux for personal and professional use.

Next Steps:

- Encourage participants to explore the recommended resources and continue practicing their skills.
- Offer follow-up sessions or advanced workshops to delve deeper into specific Linux topics.
- Gather feedback from participants to improve future workshops.

Overall, the workshop successfully introduced participants to the fundamentals of Linux, promoting its accessibility and versatility. The hands-on approach and interactive environment fostered a positive learning experience and ignited curiosity for further exploration of this powerful operating system.

BASIC OF LINKEDIN

This topic was taken to give basic of linedin for empowered participants to unlock the full potential of LinkedIn, the world's largest professional network. We equipped them with essential strategies and tactics to build a powerful online presence, connect with key people, and leverage LinkedIn for career advancement or business growth.

Topics Covered:

- The Power of LinkedIn: Exploring the platform's benefits for individual and professional development.
- Crafting a Compelling Profile: Optimizing profile sections like headline, summary, experience, and skills to showcase your value proposition.
- Networking Strategies: Understanding effective connection building techniques, joining relevant groups, and engaging with industry voices.
- Content Marketing on LinkedIn: Sharing valuable insights and expertise through engaging posts, articles, and videos to become a thought leader.
- Job Search Strategies: Utilizing LinkedIn's advanced search tools, crafting winning job applications, and leveraging networking for hidden opportunities.
- Leveraging LinkedIn for Business: Implementing strategies for lead generation, brand building, and connecting with potential clients or partners.
- Advanced Tips & Tricks: Unveiling lesser-known features and hacks to maximize your LinkedIn experience.

Activities:

- Profile Makeover Session: Participants received personalized feedback and guidance on improving their LinkedIn profiles.
- Networking Simulation: Interactive exercises on breaking the ice, engaging in meaningful conversations, and building impactful connections.
- Content Creation Workshop: Brainstorming engaging content ideas and practicing effective article writing for LinkedIn.
- Mock Job Interviews: Guided practice sessions for crafting a compelling cover letter and excelling in virtual interviews.

Outcomes:

- Participants gained a comprehensive understanding of LinkedIn's functionalities and its potential for their personal and professional goals.
- They learned how to optimize their profiles and leverage strategies for effective networking and job search.
- Attendees developed skills for content creation and utilizing LinkedIn as a platform for thought leadership and brand building.
- The workshop inspired confidence and equipped participants with actionable strategies to make the most of their LinkedIn presence.

Next Steps:

- Encourage participants to implement the learned strategies and actively engage on LinkedIn.
- Offer follow-up resources and support, including Q&A sessions or webinars.
- Consider conducting advanced workshops covering specific topics like LinkedIn Sales Navigator or content marketing strategies.

Overall, the workshop proved insightful and empowering, equipping participants with the tools and knowledge to succeed on LinkedIn. By fostering a hands-on and interactive environment, the workshop fueled an understanding of this powerful platform's potential for career advancement, business growth, and professional networking.

BASIC OF GITHUB

This workshop unveiled the wonders of Git and GitHub, empowering participants with the foundational knowledge and skills to navigate this powerful version control platform. We demystified key concepts like version control, repositories, branches, and collaboration, equipping participants to manage their projects effectively and collaborate seamlessly with others.

Topics Covered:

- Version Control Demystified: Understanding the benefits and importance of version control for managing project changes.
- Introducing Git: Exploring the fundamentals of Git, its core commands, and working directory structure.
- Meet GitHub: Unveiling the functionalities of GitHub as a web-based platform for hosting Git repositories and collaboration.
- Creating Your First Repository: Stepping into the world of GitHub by setting up a new repository and understanding its components.
- Versioning with Git: Mastering basic Git commands for adding, tracking, committing, and reverting changes to your project files.
- Branching Out: Exploring the power of branching to experiment with different versions of your project without affecting the main codebase.
- Collaboration through Pull Requests: Learning how to share your changes with others and merge them seamlessly into the main branch using pull requests.
- Troubleshooting Common Issues: Demystifying common Git errors and providing guidance on resolving them effectively.

Activities:

- Hands-on Exercises: Participants practiced Git commands and GitHub workflows through interactive exercises, solidifying their understanding through practical application.
- Live Demo: Facilitator showcased common Git and GitHub actions during a live demonstration, providing visual cues to complement theoretical explanations.
- Q&A Session: An open forum for participants to ask questions, clarify doubts, and gain deeper insights into specific aspects of Git and GitHub.

Outcomes:

- Participants gained a solid understanding of Git and GitHub's core concepts and functionalities.
- They learned essential Git commands for versioning, branching, and collaborating on projects.
- Attendees developed confidence in working with Git and GitHub to manage their code effectively.
- The workshop sparked an interest in further exploring Git and GitHub's advanced features for more complex projects.

Next Steps:

- Encourage participants to practice their newly acquired skills on personal projects or collaborate with others on GitHub.
- Recommend online resources and tutorials for further learning and exploring advanced Git and GitHub features.
- Offer follow-up support and Q&A sessions to address any challenges participants may encounter.

Overall, the workshop successfully demystified Git and GitHub, providing participants with a strong foundation for version control and collaboration. The interactive format and hands-on exercises fueled understanding and fostered confidence in utilizing these powerful tools to manage and share their projects effectively.

Head of the Department
Dept. of Computer Science & Engineering
Alva's Institute of Engineering and Technology
Mijar, Moodubidire - 574 225, D.K. Karnataka, India

Alva's Institute of Engineering & Technology
Shobhavana Campus, Mijar, Moodbidri, D.K – 574225
Phone: 08258-262725, Fax: 08258-262726

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
(Accredited by NBA, New Delhi 2019-2022)

Technical Workshop Report:

POWER OF GENERATIVE AI IN SOFTWARE DEVELOPMENT LIFE CYCLE

Date: 26th December 2023, 10:00AM TO 4:00 PM

Venue: DBMS LAB

Introduction:

The one-day technical workshop on the "Power of Generative AI in Software Development Life Cycle" was held on December 26, 2023. The workshop featured Mr. Krishnaraja Hejamadi, Director at KPMG, Bangalore, as the distinguished speaker. The event aimed to shed light on the transformative role of Generative AI in various phases of the Software Development Life Cycle

(SDLC). The workshop covered a diverse range of topics, providing participants with a comprehensive understanding of Generative AI and its applications in software development. The agenda included:

Features and Uses of New GEN AI:

Mr. Krishnaraja began by discussing the features and applications of New Generation AI, emphasizing its significance in driving innovation and efficiency in software development processes.

AI Terminologies / Models:

The workshop delved into key AI terminologies and models, including Data Mining, Machine Learning (ML), Natural Language Processing (NLP), Predictive Analysis, and Sentiment Analysis. Participants gained insights into the broader AI landscape.

Working of Generative AI with Block Diagram:

A detailed explanation of the working of Generative AI with a block diagram was presented, providing participants with a visual representation of the underlying processes.

Generative AI Images:

Mr. Krishnaraja showcased the capabilities of Generative AI in generating images, illustrating its potential in creative applications within the software development domain.

Hands-On Tools and Platforms:

Participants were actively engaged in hands-on activities using AI tools such as Image Generator and Text Generator available in Deep AI. Mr. Krishnaraja guided students through practical exercises to reinforce their understanding.

Overview of Generative AI Tools/Platforms:

The speaker provided an overview of various Generative AI tools and platforms, including OpenAI Alphabet, OpenAI Stability.ai, Cohere, Jasper, Krisp, Pictory, Tabnine, and more. This session allowed participants to explore the vast landscape of available tools.

Comprehensive Expectations for Generative AI Applications:

Mr. Krishnaraja discussed a comprehensive list of expectations for Generative AI applications, considering both sector-specific and functional requirements.

Chat GPT in SDLC:

The workshop included a detailed discussion on Chat GPT (Generative Pretrained Transformer) and its role in the Software Development Life Cycle. Mr. Krishnaraja provided practical examples of integrating Chat GPT into different phases of SDLC.

Data Acquisition and Interactive Sessions:

A segment on data acquisition was covered, and interactive sessions allowed participants to pose questions and seek clarifications on various aspects of Generative AI and its applications in SDLC.

Importance of the Workshop:

The workshop proved to be a valuable experience for participants, as it offered a holistic view of Generative AI's potential in the Software Development Life Cycle. Mr. Krishnaraja's expertise and engaging presentation style facilitated a clear understanding of complex concepts, making the workshop accessible to participants with varying levels of expertise.

Feedback and Future Directions:

Participants expressed their appreciation for the workshop's content, practical exercises, and the opportunity to interact directly with an industry expert. Suggestions for future workshops included more hands-on sessions, in-depth case studies, and exploration of emerging trends in Generative AI.

Conclusion:

The one-day technical workshop on the "Power of Generative AI in Software Development Life Cycle" was a resounding success, providing participants with valuable insights into the application of Generative AI in the software development domain. The event not only enhanced their understanding of the technology but also inspired them to explore innovative ways to integrate Generative AI into their future projects.

Head of the Department
Dept. of Computer Science & Engineering
Alva's Institute of Engineering and Technology
Mijar, Moodubidire - 574 225, D.K. Karnataka, India

ONE DAY WORKSHOP ON: TEXT ANALYTICS AND NATURAL LANGUAGE PROCESSING

Date: 22-12-2023

Venue: AIET, Auditorium

Introduction:

The Technical Workshop on Text Analytics And Natural Language Processing, organized by "C maniax" Department of Computer Science and Engineering, AIET, in collaboration with the IEEE Student Chapter, was successfully conducted on 22nd December 2023. The workshop was held in the AIET Auditorium.

The event commenced with an inaugural ceremony where the Head of Department, Dr. Manjunath Kothari, delivered a presidential address. Chief Guest, Dr. Kavitha Karimbi , addressed the gathering. Dr. Chandra Naik, expressed gratitude through the vote of thanks.

The one-day technical workshop on "Text Analytics and Natural Language Processing" was conducted successfully, featuring Dr. Kavitha Karimbi Mahesh, Associate Professor at MAHE Manipal, as the distinguished speaker. The event aimed to provide students with insights into the evolving field of Natural Language Processing (NLP) and its applications in text analytics.

The workshop covered a range of crucial topics, each shedding light on different aspects of NLP and Text Analytics. The sessions were designed to cater to both beginners and those with some prior knowledge in the field. The agenda included:

Introduction to NLP:

Dr. Kavitha initiated the workshop by providing a comprehensive overview of Natural Language Processing, emphasizing its significance in today's technological landscape. She highlighted its applications in various domains, from chatbots to sentiment analysis.

Text Preprocessing Techniques:

The importance of preparing textual data before analysis was underscored during this session. Various techniques for text cleaning, tokenization, and stemming were discussed, offering attendees practical insights into data preprocessing.

Feature Extraction and Representation:

Understanding how to represent textual data in a format suitable for machine learning models is critical. The workshop delved into techniques such as Bag of Words (BoW), Term Frequency-Inverse Document Frequency (TF-IDF), and word embeddings.

Sentiment Analysis:

Dr. Kavitha demonstrated the application of NLP in sentiment analysis, showcasing how businesses use this technique to understand customer opinions and feedback. Practical examples were shared, providing a hands-on perspective.

Named Entity Recognition (NER):

NER, a fundamental task in NLP, was discussed in detail. The session covered how to identify and classify entities such as names, organizations, and locations within a text, showcasing its relevance in information extraction.

Interactive Session and Q&A:

The workshop encouraged active participation through an interactive session where students had the opportunity to work on small exercises. Dr. Kavitha addressed queries and provided valuable insights during the Q&A session.

Importance of the Workshop:

The workshop played a pivotal role in enhancing the participants' understanding of NLP and Text Analytics. Dr. Kavitha's expertise and engaging presentation style made complex concepts accessible to all attendees. The hands-on exercises fostered a practical understanding, and the interactive session allowed for a deeper exploration of specific topics.

Feedback and Future Directions:

The feedback from participants was overwhelmingly positive, with many expressing a keen interest in further exploring NLP. Suggestions for future workshops included advanced topics in NLP, more hands-on sessions, and opportunities for collaborative projects.

Conclusion:

The one-day technical workshop on Text Analytics and Natural Language Processing, led by Dr. KavithaKarimbi Mahesh, was a resounding success. It not only provided participants with a solid foundation in NLP but also ignited a passion for further exploration in this dynamic field. The event, enriched by Dr. Kavitha's expertise, marked a significant step in empowering students with the knowledge and skills needed to navigate the evolving landscape of text analytics and natural language processing.

Head of the Department
Dept. of Computer Science & Engineering
Alva's Institute of Engineering and Technology
Mijar, Moodbidire - 574 225, D.K. Karnataka, India

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
(Unit of Alva's Education Foundation (R), Moodbidri)
Affiliated to Visvesvaraya Technological University, Belagavi
Approved by AICTE, New Delhi. Recognized by Government of Karnataka.
Accredited by NAAC with A+ grade& NBA (ECE & CSE)
DEPT. OF COMPUTER SCIENCE & ENGINEERING(ICB)

From, **Date:11-03-2024**

Dr. Sudheer Shetty
Head of the Department
Computer Science & Engineering(ICB)
Alva's Institute of Engineering and Technology Moodbidri.

To,

The Principal
Alva's Institute of Engineering & Technology
Moodbidri

Respected Sir,

Sub: Requisition for Conducting an Orientation program on "ICT Tools in Teaching & Learning Process" under Total Quality Management In teaching Learning on 18th Mar 2024 reg:-

With reference to the above subject, we are planning to conduct **an Orientation program on "ICT Tools in Teaching & Learning Process" under Total Quality Management In teaching Learning on 18th Mar 2024.** This orientation program will be conducted only for internal faculty members and department students.

So I kindly request you to grant the permission for conducting this Orientation Program under Total Quality Management In teaching Learning. Totally faculties and students are planning fir this orientation program.

Thanking you

Your's faithfully

Dr.Sudheer Shetty
Head of the Department

H. O. D.
Dept. Of Information Science & Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

Dr.Peter Fernandes
Principal & IQAC Chairman

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
(Unit of Alva's Education Foundation (R), Moodbidri)
Affiliated to Visvesvaraya Technological University, Belagavi
Approved by AICTE, New Delhi. Recognized by Government of Karnataka.
Accredited by NAAC with A+ grade& NBA (ECE & CSE)

DEPT. OF COMPUTER SCIENCE & ENGINEERING(ICB)

CIRCULAR Date:15/03/2024

This is to inform that Orientation program on "**ICT Tools in Teaching & Learning Process**" under Total Quality Management in teaching Learning, will be organized by the department on 18th Mar 2024. All students of 4th , 6th and 8th semesters are here by instructed to attend the same without fail in your respective classes.

Timings: 2nd year(10:00 to 10:45 am)
3rd Year(11:00 to 11:45 am)
4th Year (2:00 to 3:00 pm)

HOD
H.O.D.
Dept. Of Information Science & Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI-574 225

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726

Report on Orientation Program on "ICT Tools in Teaching & Learning Process" Under Total Quality Management in Teaching Learning

VENUE: ISE classrooms and ISE lab
Date: 18/03/2024

Resource Person: Dr. Pradeep V, Associate Professor, ISE, AIET

ICT Tools in Teaching & Learning Process Orientation Program was organized for the faculty and students of Information Science and Engineering department and Dr. Pradeep V highlighted the importance of adopting ICT Tools in Teaching & Learning Process. He had an interactive discussion about each ICT Tools in Teaching & Learning Process by giving valuable inputs for the desired assessment and evaluation. He started with introducing Information and Communication Technology (ICT) refers to digital tools used for communication, information processing, and knowledge sharing.

ICT tools support student engagement, enhance instructional methods, and provide diverse resources.

He explained the why it's important in education systems.

Personalized Learning: Adapts to student learning styles and speeds.
Accessibility: Provides remote access to resources.
Engagement: Makes learning more interactive and fun.
Collaboration: Facilitates teamwork and information sharing.
Real-World Skills: Prepares students for tech-driven workplaces.

Categories of ICT Tools in Education

- Learning Management Systems (LMS): Platforms for managing course materials (e.g., Moodle, Google Classroom).
- Content Creation Tools: Software for creating educational content (e.g., Canva, PowerPoint).
- Assessment Tools: Apps for quizzes, assignments, and feedback (e.g., Kahoot!, Quizizz).
- Collaboration Tools: Platforms for group projects (e.g., Microsoft Teams, Slack).
- Simulation & Gamification Tools: Interactive learning experiences (e.g., Labster, Minecraft Education Edition).

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF COMPUTER SCIENCE & ENGINEERING(ICB)

ORIENTATION PROGRAM ON "ICT TOOLS IN TEACHING & LEARNING PROCESS" UNDER TOTAL QUALITY MANAGEMENT IN TEACHING LEARNING ON 18TH MARCH 2024

Faculties Attendance

#	Name of the faculty	Signature
1	Dr. Sudheer Shetty	P
2	Dr. Pradeep V	P
3	Mr. JayantKumar Rathod	P
4	Dr. Manjunath H R	P
5	Mr. Nagesh U B	P
6	Mr. Sharan Lional Pais	P
7	Mr.Naveen G	Naveen G
8	Mr.Mounesh A	Mounesh
9	Mr.Vasudev Shapur	P
10	Mrs.Kavitha	P
11	Mrs.Nisha	P
12	Mrs.Soumya	P
13	Mr.Pradeep Nayak	P
14	Mrs.Lolakshi	P

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF COMPUTER SCIENCE & ENGINEERING(ICB)

ORIENTATION PROGRAM ON "ICT TOOLS IN TEACHING & LEARNING PROCESS" UNDER TOTAL QUALITY MANAGEMENT IN TEACHING LEARNING ON 18TH MARCH 2024

Student Attendance of 4th semester

SN	USN	NAME	ATTENDANCE
1	4AL22IC001	ADARSH S NAIK	
2	4AL22IC002	AISHWARYA	
3	4AL22IC003	AKASH GOUD	
4	4AL22IC004	AMULYA NM	
5	4AL22IC005	ANVESH M S	
6	4AL22IC006	ARCHANA N	A
7	4AL22IC007	ASHIK S	
8	4AL22IC008	AVIKSHA HEGDE	
9	4AL22IC009	C G YASHASH RAJ	
10	4AL22IC010	DARSHAN K REVANKAR	
11	4AL22IC011	DIKSHITA DEVADIGA	
12	4AL22IC012	GAUTHAM P KINI	
13	4AL22IC013	JAHNAVI G A	
14	4AL22IC014	JISHNU RAJ V K	
15	4AL22IC015	MAHALAKSHMI	
16	4AL22IC016	MANOJ	
17	4AL22IC017	MOHAMMAD TAMJEED IBRAHIM	
18	4AL22IC018	MOHAMMED IRSHAD	
19	4AL22IC019	NAMRATHA	
20	4AL22IC020	NAVEEN KUMAR	
21	4AL22IC021	NIDHI	
22	4AL22IC022	NIHAL	
23	4AL22IC023	NIRANJAN J HIREMATH	
24	4AL22IC024	P KEERTHI REDDY	
25	4AL22IC025	PAVAN KUMAR C K	
26	4AL22IC026	PRAJWAL S B	
27	4AL22IC027	PRAJWAL S BABANAGOL	

28	4AL22IC029	PUSHPA R	
29	4AL22IC030	RAHUL AG	

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF COMPUTER SCIENCE & ENGINEERING(ICB)

30	4AL22IC031	RAKSHITH RAO	
31	4AL22IC032	RAKSHITHA M M	
32	4AL22IC033	RAKSHITA R	
33	4AL22IC034	RAMITH R SHETTY	
34	4AL22IC035	SAGAR BASAPPA GODACHI	
35	4AL22IC036	SANDEEP V	
36	4AL22IC037	SHETTY ADITI VISHWANATH	
37	4AL22IC038	SHIKA SHETTY	
38	4AL22IC039	SHILPA	
39	4AL22IC040	SHILPA	
40	4AL22IC041	SHOWRYA	
41	4AL22IC042	SHRADDHA	
42	4AL22IC043	SHREYA RAO	
43	4AL22IC044	SHRINIDHI M HEGDE	
44	4AL22IC045	SIDDHARTH VISHANT NAIK	
45	4AL22IC046	SNEHA	
46	4AL22IC047	SOMESH K H	
47	4AL22IC048	SREEDEEP P	
48	4AL22IC049	SRUSTI A S	
49	4AL22IC050	SUDHANSU MALLIK	
50	4AL22IC052	SUNEEL P KANASAGERI	
51	4AL22IC053	SUSHMA ACHARYA	
52	4AL22IC054	SUVITHA	
53	4AL22IC055	T H LIKHITHA	
54	4AL22IC056	TARUN R GOWDA	
55	4AL22IC057	THANVI SHETTY	
56	4AL22IC058	THUSHAR I	
57	4AL22IC059	VAISHNAVI	
58	4AL22IC060	VARSHA V	
59	4AL22IC061	VIVEK K DAS	
60	4AL22IC062	YASH	
61	4AL22IC063	YASHWANTH H	

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF COMPUTER SCIENCE & ENGINEERING(ICB)

ORIENTATION PROGRAM ON "ICT TOOLS IN TEACHING & LEARNING PROCESS" UNDER TOTAL QUALITY MANAGEMENT IN TEACHING LEARNING ON 18TH MARCH 2024

FEEDBACK FORM

	Strongly agree	Agree	Neutral	Disagree
I.The objective of the orientation were clearly defined	0	0	0	0
2. Participation and interaction are encouraged	0	0	0	0
3.The topics covered were relevant to me	0	0	0	0
4.The content was organised and easy to follow	0	0	0	0
5.This orientation experience will be usefull to my work	0	0	0	0
6.The trainer was knowledgeable about the orientation topics	0	0	0	0
7.The trainer was well prepared	0	0	0	0
8.The orientation objectives were met	0	0	0	0
9.The time allotted for the orientation was sufficient	0	0	0	0
10.The meeting room and facilities were adequate and comfortable	0	0	0	0

Suggestions (if any):.....

.....

.....

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF COMPUTER SCIENCE & ENGINEERING(ICB)

ORIENTATION PROGRAM ON "ICT TOOLS IN TEACHING & LEARNING PROCESS" UNDER TOTAL QUALITY MANAGEMENT IN TEACHING LEARNING ON 18TH MARCH 2024

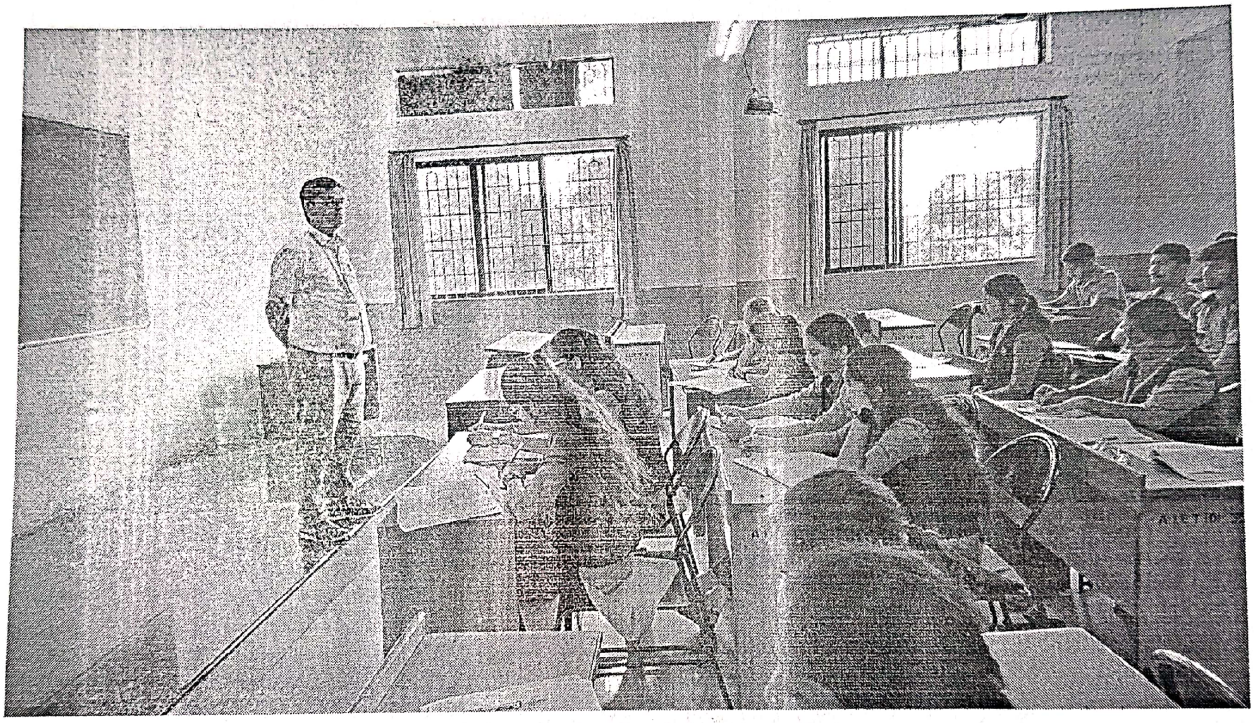
FEEDBACK FORM

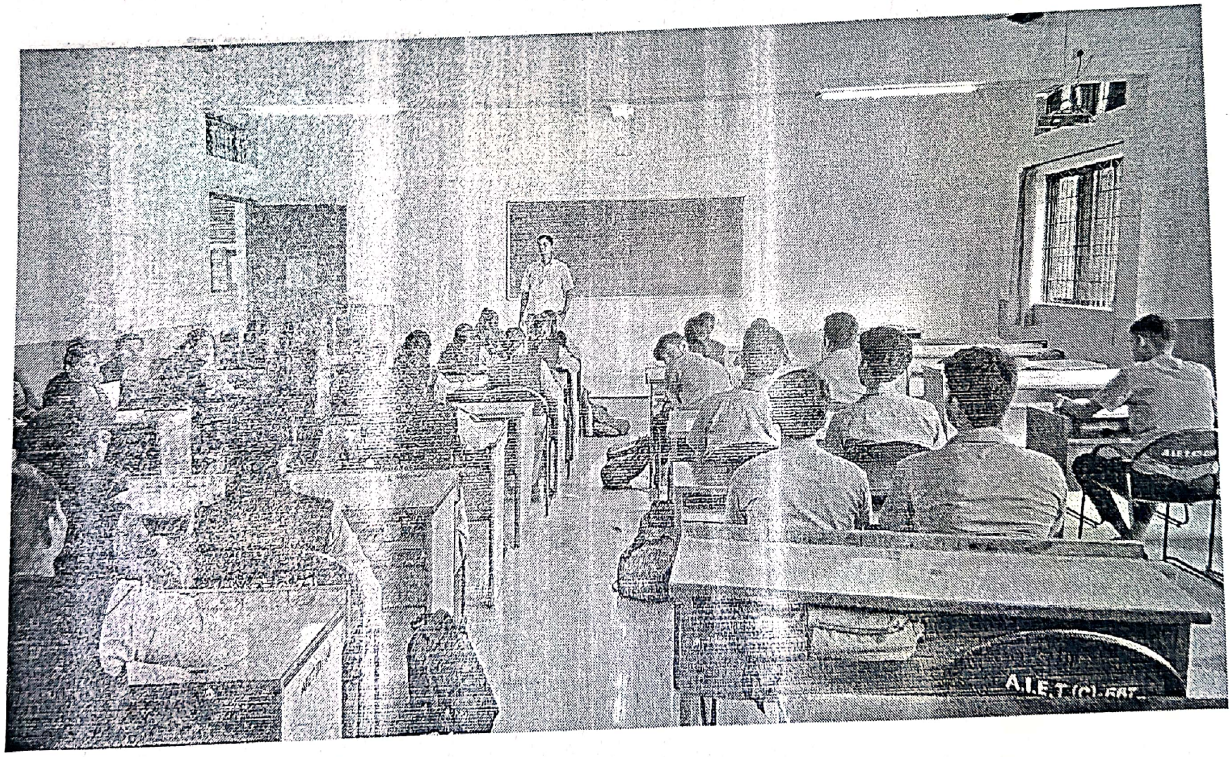
	Strongly agree	Agree	Neutral	Disagree
I.The objective of the orientation were clearly defined	47%	40%	09%	04%
2. Participation and interaction are encouraged	48%	39%	08%	05%
3.The topics covered were relevant to me	69%	19%	07%	05%
4.The content was organised and easy to follow	75%	13%	06%	06%
5.This orientation experience will be usefull to my work	75%	13%	08%	04%
6.The trainer was knowledgeable about the orientation topics	73%	15%	07%	05%
7.The trainer was well prepared	78%	10%	09%	03%
8.The orientation objectives were met				
9.The time allotted for the orientation was sufficient	75%	13%	07%	05%
10.The meeting room and facilities were adequate and comfortable	48%	39%	08%	05%

HOD
H. O. D.
Dept. Of Information Science & Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF COMPUTER SCIENCE & ENGINEERING(ICB)

ORIENTATION PROGRAM ON "ICT TOOLS IN TEACHING & LEARNING PROCESS" UNDER TOTAL QUALITY MANAGEMENT IN TEACHING LEARNING ON 18TH MARCH 2024





HOD
H.O.D.
Dept. Of Information Science & Engineering
Sahyadri's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(Unit of Alva's Education Foundation (R), Moodbidri)

Affiliated to Visvesvaraya Technological University, Belagavi &

Approved by AICTE, New Delhi. Recognized by Government of Karnataka.

Accredited with A+ by NACC & NBA (ECE & CSE)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VLSI CLUB REPORT – 2023-24

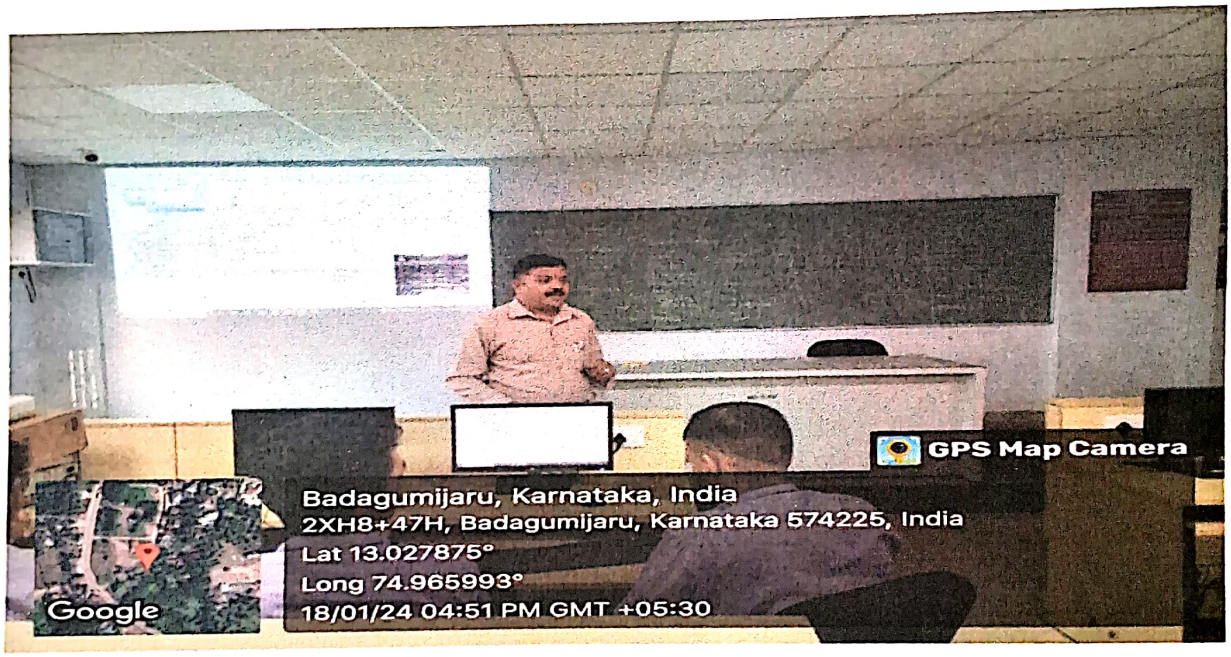
The workshop Report on Verilog HDL

Prepared by: [Dr. D.V. Manjunatha]

Date: 23-01-2024

Introduction:

A Four-day workshop on Verilog HDL coding was organized by Dr. D V Manjunatha, Professor by Department of Electronics and Communication Engineering (ECE) and VLSI Club Coordinator at Alvas Institute of Engineering and Technology to the 3rd A/ Section Students scheduled on 17th to 18th of January, 2024 and 22nd to 23rd January, 2024. The program was aimed to provide participants with comprehensive knowledge and hands-on experience in Verilog coding in VLSI Design, covering both theoretical concepts and practical applications.



Objectives:

- To impart fundamental knowledge of Verilog Coding design principles.
- To introduce participants to various tools and methodologies used in Veilor Design.
- To provide hands-on experience through practical sessions.
- To enhance participants' understanding of current trends and advancements in Verilog design.

Agenda:

Day 1: Introduction to Verilog coding
Overview of Verilog Technology
Basic Building Blocks: Gates, Flip-Flops,
Introduction to HDL (Hardware Description Language)
Introduction to CAD Tools for Verilog Design Tools such Xilinx, VIAVADO ets.,
Day 2: Advanced VLSI Design
Combinational and Sequential Circuit Design

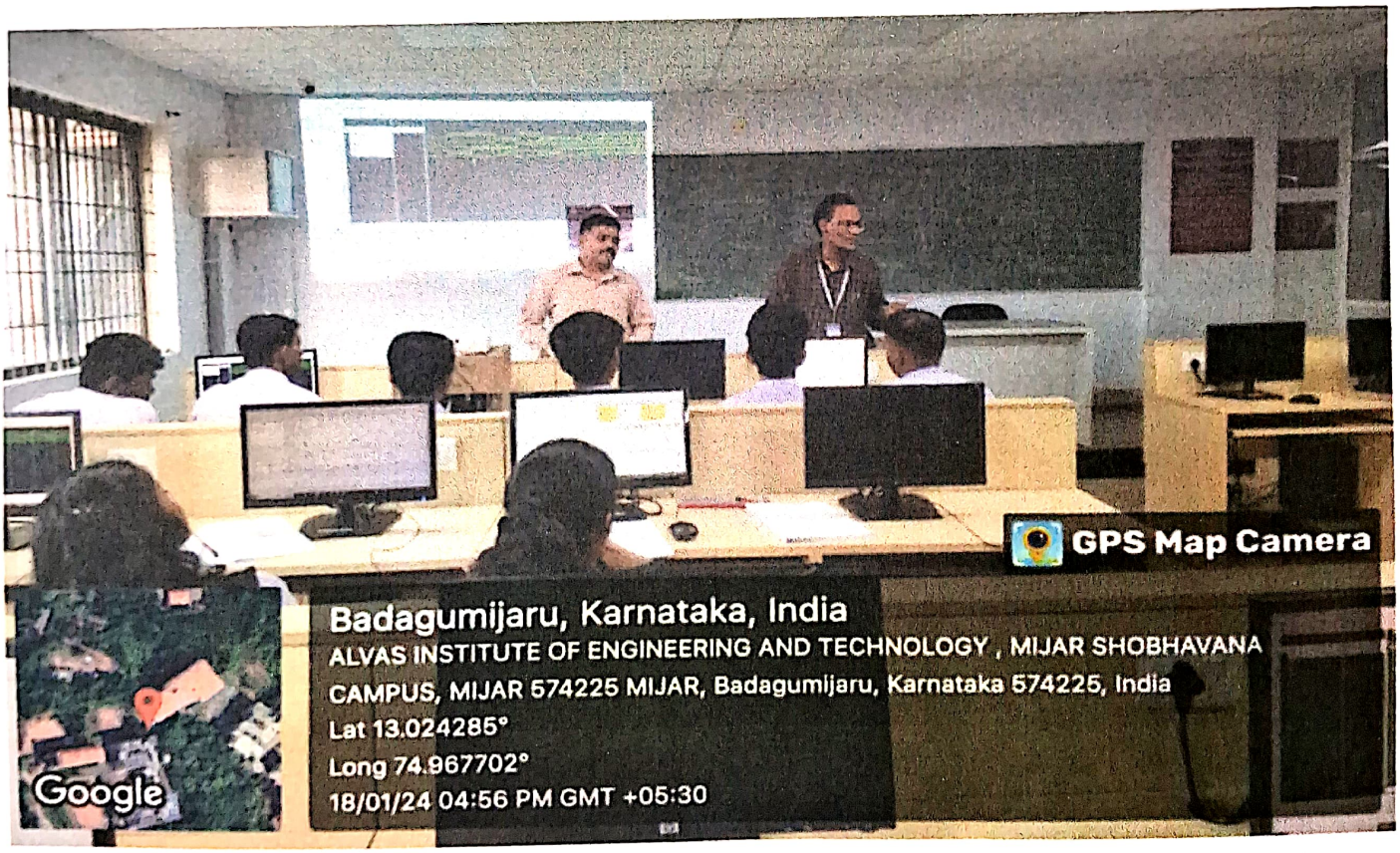
Introduction to FPGA (Field-Programmable Gate Array) Design
Hands-on Session: Designing Basic Circuits using CAD Tools
Day 3: Digital System Design with Xilinx EDA Tool, Register Transfer Level (RTL) Design Synthesis and Optimization Techniques, Timing Analysis.
Day 4: Emerging Trends and Future Directions, Introduction to System-on-Chip (SoC) Design, Low Power Design Techniques, Overview of VLSI Testing, Industry perspective: Challenges and Opportunities

Participants:

The work shop was conducted to all 3rd sem B/ Section Students to give the insight into the digital Design. The participants showed keen interest and active engagement throughout the sessions.

Outcome:

The workshop provided to be highly beneficial, achieving its objectives effectively. Participants gained a solid understanding of Verilog HDL coding principles, learned to use various CAD tools, and acquired practical skills through hands-on sessions. The interactive nature of the program encouraged active participation and knowledge sharing among participants.



Conclusion:

The Four-day workshop on Verilog HDL Dr. D V Manjunatha. Sr. Professor was a resounding success, providing participants with a comprehensive understanding of both HDL snd VLSI design concepts and practical skills. Such initiatives play a crucial role in bridging

the gap between academia and industry, preparing participants for future challenges and opportunities in the field of VLSI technology.

Acknowledgments:

We extend our sincere gratitude to Dr. D V Manjunatha for his exemplary leadership and expertise in organizing this training program. Special thanks to all the participants for their enthusiastic participation and valuable contributions, which made the program a memorable learning experience for everyone involved.

D.V.M

Dr. D.V. Manjunatha

VLSI Club Coordinator.

Dr. PRINCIPAL
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225
Principal

Dr. Dattatreya
HOD
Dept. of ECE

H. O. D.
Dept. Of Electronics & Communic
Alva's Institute of Engg. & Techn
Mijar, MOODBIDRI - 574 22

Report on Invited Talk by Jaseem Ahmed, Staff Analog and Mixed Signal VLSI Design Engineer at QualComm, San Digo

Title: Invited Talk on "VLSI - The Present and Future" Conducted by VLSI Club, in Association with Anmaya- The VLSI Startup

Date: 02-03-2024, Venue: VLSI Lab, Speaker: Mr. Jaseem Ahmed

Organizer: Dr. D.V. Manjunatha, Sr. Professor & VLSI Club Coordinator

Introduction:

The invited talk on "VLSI - The Present and Future" commenced as scheduled at 11.00 AM at VLSI Lab. Talk was conducted for Final Year Students (68 Students and 03 Faculty were present. The event saw a significant turnout from both industry professionals and academic scholars eager to delve into the advancements and prospects within the field of Very Large Scale Integration (VLSI).

Keynote Address:

Mr. Jaseem Ahmed
, a distinguished figure in the domain of VLSI, took the stage to deliver his insights into the present landscape and the anticipated future developments within the realm of semiconductor technology.

Overview of VLSI:

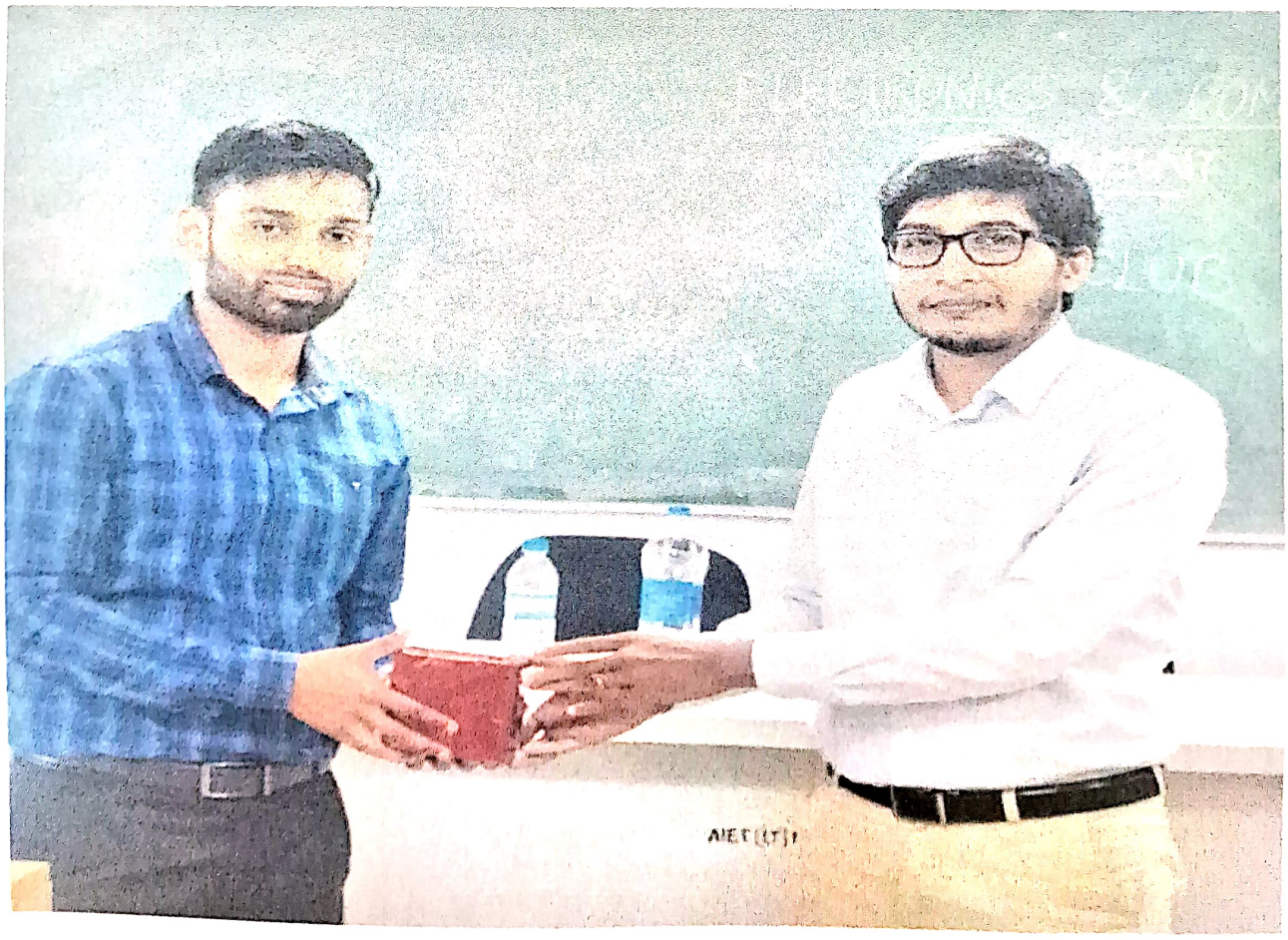
Mr. Ahmed began by providing an overview of VLSI, emphasizing its pivotal role in modern electronics. He elucidated on the intricate processes involved in designing and fabricating integrated circuits, underscoring the relentless pursuit of miniaturization and efficiency in contemporary semiconductor manufacturing.

Current Trends:
Highlighting the current trends in VLSI, Mr. Ahmed elaborated on the paradigm shifts brought forth by emerging technologies such as Artificial Intelligence (AI), Internet of Things (IoT), and 5G networks. He underscored the symbiotic relationship between VLSI and these transformative technologies, illustrating how advancements in one domain catalyze innovations in the other.

Challenges and Opportunities:
Addressing the challenges encountered in VLSI design and fabrication, Mr. Ahmed elucidated on issues pertaining to power consumption, heat dissipation, and design complexity. However, he also emphasized the plethora of opportunities presented by these challenges, advocating for interdisciplinary collaborations and novel design methodologies to surmount existing barriers.

Future Prospects:
In anticipation of the future trajectory of VLSI, Mr. Ahmed delved into the prospects of quantum computing, neuromorphic engineering, and beyond. He articulated a vision of VLSI evolving beyond conventional silicon-based technologies, envisaging a future where innovation transcends the constraints of classical computing paradigms.

Interactive Session:
The session concluded with an interactive segment wherein attendees engaged in a vibrant exchange of ideas with Mr. Ahmed. Participants posed thought-provoking questions, seeking elucidation on diverse topics ranging from emerging fabrication techniques to the societal implications of ubiquitous semiconductor integration.



Closing Remarks:

In his closing remarks, Mr. Ahmed expressed his gratitude to the organizers and attendees for their active participation and enthusiasm. He reiterated the importance of continuous learning and collaboration in steering VLSI towards a future defined by innovation and ingenuity.

The invited talk on "VLSI - The Present and Future" concluded on a high note, leaving attendees inspired and enlightened about the dynamic landscape of semiconductor technology. The event served as a testament to the enduring significance of VLSI in shaping the technological advancements of tomorrow.

Dr. D.V. Manjunatha

VLSI Club Coordinator.

PRINCIPAL
Dr. Peter Fernandes
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

H. O. D.
Dept. of Electronics & Communication
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225
Dr. Dattatreya
Dept. of ECE

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(Unit of Alva's Education Foundation (R), Moodbidri)
Affiliated to Visvesvaraya Technological University, Belagavi
Approved by AICTE, New Delhi. Recognized by Government of Karnataka.
Accredited by NAAC with A+ grade& NBA (ECE & CSE)

DEPT. OF INFORMATION SCIENCE & ENGINEERING

From,

Date:10-08-2023

Dr. Sudheer Shetty
Head of the Department
Information Science & Engineering
Alva's Institute of Engineering and Technology Moodbidri.

To,

The Principal
Alva's Institute of Engineering & Technology
Moodbidri

Respected Sir,

Sub: Requisition for Conducting an Orientation program on "Adopting Bloom's Taxonomy in Engineering Colleges" under Total Quality Management In teaching Learning on 19TH Aug 2023 reg:-

With reference to the above subject, we are planning to conduct **an Orientation program on "Adopting Bloom's Taxonomy in Engineering Colleges" under Total Quality Management In teaching Learning on 19TH Aug 2023.** This orientation program will be conducted only for internal faculty members and department students.

So I kindly request you to grant the permission for conducting this Orientation Program under Total Quality Management In teaching Learning. Totally faculties and students are planning fir this orientation program.

Thanking you

Your's faithfully

Dr.Sudheer Shetty
H.O.D.
Head of the Department

Dept. Of Information Science & Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

Dr.Peter Fernandes
Principal & IQAC Chairman

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
(Unit of Alva's Education Foundation (R), Moodbidri)
Affiliated to Visvesvaraya Technological University, Belagavi
Approved by AICTE, New Delhi. Recognized by Government of Karnataka.
Accredited by NAAC with A+ grade& NBA (ECE & CSE)

DEPT. OF INFORMATION SCIENCE & ENGINEERING

CIRCULAR Date:16/08/2023

This is to inform that Orientation program on "Adopting Bloom's Taxonomy in Engineering Colleges" under Total Quality Management in teaching Learning, will be organized by the department on 19th Aug 2023. All students of 3rd, 5th and 7th semesters are here by instructed to attend the same without fail in your respective classes.

Timings: 2nd year(10:00 to 10:45 am)
3rd Year(11:00 to 11:45 am)
4th Year (2:00 to 3:00 pm)

HOD
H. O. D.
Dept. Of Information Science & Engineering

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
(Unit of Alva's Education Foundation (R), Moodbidri)
Affiliated to Visvesvaraya Technological University, Belagavi
Approved by AICTE, New Delhi. Recognized by Government of Karnataka.
Accredited by NAAC with A+ grade& NBA (ECE & CSE)

DEPT. OF INFORMATION SCIENCE & ENGINEERING

CIRCULAR Date:16/08/2023

This is to inform that Orientation program on "Adopting Bloom's Taxonomy in Engineering Colleges" under Total Quality Management in teaching Learning, will be organized by the department on 19th Aug 2023. All students of 3rd , 5thand 7th semesters are here by instructed to attend the same without fail in your respective classes.

Timings: 2nd year(10:00 to 10:45 am)
3rd Year(11:00 to 11:45 am)
4th Year (2:00 to 3:00 pm)

HOD
H. O. D.
Dept. Of Information Science & Engineering

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
(Unit of Alva's Education Foundation (R), Moodbidri)
Affiliated to Visvesvaraya Technological University, Belagavi
Approved by AICTE, New Delhi. Recognized by Government of Karnataka.
Accredited by NAAC with A+ grade& NBA (ECE & CSE)

DEPT. OF INFORMATION SCIENCE & ENGINEERING

CIRCULAR Date:16/08/2023

This is to inform that Orientation program on "Adopting Bloom's Taxonomy in Engineering Colleges" under Total Quality Management in teaching Learning, will be organized by the department on 19th Aug 2023. All students of 3rd, 5thand 7th semesters are here by instructed to attend the same without fail in your respective classes.

Timings: 2nd year(10:00 to 10:45 am)
3rd Year(11:00 to 11:45 am)
4th Year (2:00 to 3:00 pm)

HOD
H. O. D.
Dept. Of Information Science & Engineering

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726

Report on Orientation Program on "Adopting Bloom's Taxonomy in Engineering Colleges" Under Total Quality Management in Teaching Learning

VENUE: ISE classrooms and ISE lab
Date: 19/08/2023

Resource Person: Dr. Pradeep V, Associate Professor, ISE, AIET

Bloom's Taxonomy Orientation Program was organized for the faculty and students of Information Science and Engineering department.and Dr. Pradeep V highlighted the importance of adopting Bloom's taxonomy in Education Systems. He had an interactive discussion about each Bloom's Taxonomy levels by giving valuable inputs for the desired assessment and evaluation. He started with introducing Bloom's Taxonomy plays a crucial role in engineering education because it provides a structured framework for enhancing students' learning, critical thinking, and problem-solving abilities

He explained the why it's important in engineering colleges.

1. Promotes Comprehensive Learning
2. Enhances Problem-Solving Skills
3. Facilitates Application of Theoretical Knowledge
4. Supports Curriculum Design and Assessment
5. Develops Critical Thinking and Innovation
6. Prepares Students for Real-World Challenges
7. Encourages Lifelong Learning

He stressed the importance of outcome based education and process based education. He briefed about the best innovative activities that students can involve effectively other than the curriculum, which would develop them in a more versatile manner.

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF INFORMATION SCIENCE & ENGINEERING

ORIENTATION PROGRAM ON "ADOPTING BLOOM'S TAXONOMY IN ENGINEERING COLLEGES" UNDER TOTAL QUALITY MANAGEMENT IN TEACHING LEARNING ON 19TH AUGUST 2023

Faculties Attendance

#	Name of the faculty	Signature
1	Dr. Sudheer Shetty	P
2	Dr. Pradeep V	P
3	Mr. JayantKumar Rathod	P
4	Dr. Manjunath H R	P
5	Mr. Nagesh U B	P
6	Mr. Sharan Lional Pais	P
7	Mr.Naveen G	P
8	Mr.Mounesh A	
9	Mr.Vasudev Shapur	P
10	Mrs.Kavitha	P
11	Mrs.Nisha	P
12	Mrs.Soumya	P
13	Mr.Pradeep Nayak	P
14	Mrs.Lolakshi	P

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF INFORMATION SCIENCE & ENGINEERING

ORIENTATION PROGRAM ON "ADOPTING BLOOM'S TAXONOMY IN ENGINEERING COLLEGES" UNDER TOTAL QUALITY MANAGEMENT IN TEACHING LEARNING ON 19TH AUGUST 2023

Student Attendance of 3 RD semester

SN	USN	NAME	ATTENDANCE
1	4AL22IS001	ADARSH	P
2	4AL22IS002	AFTAB KHAN	A
3	4AL22IS003	AKASH PUJARI	P
4	4AL22IS004	APOORVA	P
5	4AL22IS005	ASHA H D	P
6	4AL22IS006	BHOOMIKA M SHETTY	P
7	4AL22IS007	CHAYA	P
8	4AL22IS008	CHETHAN H D	P
9	4AL22IS009	CHIRAAG H	P
10	4AL22IS010	DHANUSH B V	P
11	4AL22IS011	ESHA	P
12	4AL22IS012	ETHAN HADLEY RODRIGUES	P
13	4AL22IS013	GURUPRASADA	P
14	4AL22IS014	HEMISH A	P
15	4AL22IS015	KARTHIK KUMAR P	P
16	4AL22IS016	KRISHNA KUMAR N	P
17	4AL22IS017	LAVANYA N MOGER	P
18	4AL22IS018	LOHIT MAHADEV PATGAR	P
19	4AL22IS019	MANISH D SALIAN	P
20	4AL22IS020	MANOJRAO	P
21	4AL22IS021	MANVIKA K R	P
22	4AL22IS022	MEGHANA MOHAN NAIK	P
23	4AL22IS023	MOHAMMED FARHAN	A
24	4AL22IS024	NANDINI K A	P
25	4AL22IS025	NANDINI RAJU BORAGAVE	P
26	4AL22IS026	NAVYA Y R	P
27	4AL22IS027	NIKITHA SHETTY	P
28	4AL22IS028	NISARGA SHRIDHAR NAIK	P

29	4AL22IS029	NISHA	

ALVA'S
Education Foundation®

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF INFORMATION SCIENCE & ENGINEERING

30	4AL22IS030	OLIVA MARY FERNANDES	
31	4AL22IS031	OMKAR RAJIV NAIK	
32	4AL22IS032	PAVAN KUMAR MARIHONNAPPANAVAR	
33	4AL22IS033	PAVITHRA	
34	4AL22IS034	POOJA SHRIKANT SONNAD	
35	4AL22IS035	PRABHUGOUDA H FAKKIRAGOUDRA	
36	4AL22IS036	PRAJWALA BAHUBALI CHANDAKE	
37	4AL22IS037	PRANAM J	
38	4AL22IS038	PRAPTHI D POONJA	
39	4AL22IS039	PRATHA SHETTY	
40	4AL22IS040	PREETHAM SHETTY	
41	4AL22IS041	PRIYANKA S TOTAGER	
42	4AL22IS042	PUNNYA SHREE K N	
43	4AL22IS043	RANJITHA M	
44	4AL22IS044	RAVI KUMAR	
45	4AL22IS045	RITHIKA G SHETTY	
46	4AL22IS046	SAMAREEN CHANDAPATEL WADAGERI	
47	4AL22IS047	SHODHAN RAO	
48	4AL22IS048	SHRADDHA SHETTY	
49	4AL22IS049	SHREEYA G R	
50	4AL22IS050	SHREYA SOMANATH HUNASIMARAD	
51	4AL22IS051	SHUBHAM S VERNEKAR	
52	4AL22IS052	SHWETHA NAYAK	
53	4AL22IS053	SMITHESH SHETTY	
54	4AL22IS054	SOUJANYA TALAWAR	
55	4AL22IS055	SOWMYA R	
56	4AL22IS056	SRAJESH SHETTY	
57	4AL22IS057	SUDEEP KUMAR	
58	4AL22IS059	SUKANYA	
59	4AL22IS060	SURABHI	
60	4AL22IS061	UTKARSHA SUNIL SADALAGE	
61	4AL22IS062	VISMAY	
62	4AL22IS063	YASHODHA RAJU DEVADIGA	

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF INFORMATION SCIENCE & ENGINEERING

ORIENTATION PROGRAM ON "ADOPTING BLOOM'S TAXONOMY IN ENGINEERING COLLEGES"UNDER TOTAL QUALITY MANAGEMENT IN TEACHING LEARNING ON 19TH AUGUST 2023

Student Attendance of 5th semester

SN	USN	NAME	ATTENDANCE
1	4AL21IS001	ADITHYA TEJASWI D	P
2	4AL21IS002	AFIZA A	P
3	4AL21IS003	AISHWARYA SALIMATH	P
4	4AL21IS004	AKASH DEVADIGA	P
5	4AL21IS005	AMAR B M	P
6	4AL21IS006	ANAGHA UDUPA Y N	P
7	4AL21IS007	ANANYA	P
8	4AL21IS008	ANIRUDH KAMATH K	P
9	4AL21IS009	ANKITHA B	P
10	4AL21IS010	BHAGYASHREE R PUJARI	P
11	4AL21IS011	BHARATH J	P
12	4AL21IS012	BHUMIKA SUNIL KULKARNI	P
13	4AL21IS013	CHAITRA S KODDADDI	P
14	4AL21IS014	CHANDAN M N	P
15	4AL21IS015	CHINDAN B V	P
16	4AL21IS017	GOWRISH N	P
17	4AL21IS018	HARSHITHA B	P
18	4AL21IS019	JAHNAVI	P
19	4AL21IS020	KARTHIK MADAKARI T P	P
20	4AL21IS021	KELVIN DMELLO	P
21	4AL21IS022	KOUSHIK ACHAR	P
22	4AL21IS023	KRUPASHREE R	P
23	4AL21IS024	LAYA R	P
24	4AL21IS025	MANIKANTA	P
25	4AL21IS026	MANISH K	A
26	4AL21IS027	MANJUNATH R	P
27	4AL21IS029	MANOJ M U	P
28	4AL21IS030	MOHAMMED ADIL	P
29	4AL21IS031	MOHAMMED RIHAN	P
30	4AL21IS032	MUHAMMED YAMIN SHARFUDDIN	P

31	4AL21IS033	NANDAN S	P
32	4AL21IS034	NISHANT KUMAR	P

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF INFORMATION SCIENCE & ENGINEERING

35	4AL21IS037	PRAJWAL GOWDA H G	P
36	4AL21IS038	PRASHANTH KUMAR B C	P
37	4AL21IS039	PREETHAM BYADAGI	P
38	4AL21IS040	R SREEJITH	P
39	4AL21IS041	RANJITH	A
40	4AL21IS042	SANJAY G K	P
41	4AL21IS043	SANNIDHI K S	P
42	4AL21IS044	SAPTHAMI	P
43	4AL21IS045	SARTHAK K JAIN	P
44	4AL21IS046	SATEESH DYAVAPPA SATYANNAVAR	P
45	4AL21IS047	SATHWIK K D	P
46	4AL21IS048	SHARAVI R RAI	P
47	4AL21IS049	SHASHIDHAR MAHADEV PATGAR	P
48	4AL21IS050	SHRAVAN R POOJARY	P
49	4AL21IS051	SHRAVITHA	P
50	4AL21IS052	SHREYA RAI	P
51	4AL21IS053	SHRUJAN KUMAR H V	P
52	4AL21IS054	SOORAJ	P
53	4AL21IS055	SRIDEEKSHA G	P
54	4AL21IS056	SRIKANTH RAJU SRINIVAS	P
55	4AL21IS057	SRUJAN K M	P
56	4AL21IS058	SRUSTI P S	P
57	4AL21IS059	SUVAN P KEDILAYA	P
58	4AL21IS060	SUVARNA ARVINKANTH HARISH	P
59	4AL21IS061	SYED SALEHA	P
60	4AL21IS062	VASAVI RAI C	P
61	4AL21IS063	VITHIKA SHETTY	P
62	4AL21IS064	CHANDANA N M	P
63	4AL22IS400	ANKITH	P
64	4AL22IS401	CHARAN S V	P
65	4AL22IS402	CHETAN BYAHATTI	P
66	4AL22IS403	LOHITH H	P
67	4AL22IS404	NAMRATHA J SHETTY	P
68	4AL22IS405	RAHUL P SHETTY	P

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF INFORMATION SCIENCE & ENGINEERING

ORIENTATION PROGRAM ON "ADOPTING BLOOM'S TAXONOMY IN ENGINEERING COLLEGES"UNDER TOTAL QUALITY MANAGEMENT IN TEACHING LEARNING ON 19TH AUGUST 2023

Student Attendance of 7th semester

SN	USN	NAME	ATTENDANCE
1	4AL20IS001	ABHISHEK R BHAT	P
2	4AL20IS002	ABHISHEK S V	P
3	4AL20IS003	AKASH K ACHARYA	P
4	4AL20IS004	AMRUTH P S	P
5	4AL20IS005	ANAND M RASTAPUR	P
6	4AL20IS006	ANSON SAROSH DSOUZA	P
7	4AL20IS007	ASHWINI M	P
8	4AL20IS008	B S SUMUKHA	P
9	4AL20IS009	C H RAKESH	P
10	4AL20IS010	CHANDANA A S	P
11	4AL20IS011	CHANDANA P T	P
12	4AL20IS013	DARSHAN S	P
13	4AL20IS014	DEEKSHITH	P
14	4AL20IS015	DEVADIGA LIKHIT KUMAR GANESH	A
15	4AL20IS016	DIYA H B	P
16	4AL20IS017	FATHIMA THAHIBA	P
17	4AL20IS018	FINNY PAUL	P
18	4AL20IS019	GARY RICHARDS R	P
19	4AL20IS020	KEERTHANA G	P
20	4AL20IS021	LIKHITA K M	P
21	4AL20IS023	MADHU M	P
22	4AL20IS024	MADHUSHREE	P
23	4AL20IS025	MEGHANA K	P
24	4AL20IS026	MOHAMMED FIROZ	A
25	4AL20IS027	MOHAMMED SUFIYAN	P
26	4AL20IS028	MOHAN RAJU V	P
27	4AL20IS029	MONISHA N S	P
28	4AL20IS030	MOOLLYA GAUTAMI BHASKAR	P
29	4AL20IS031	NANDAN M R	P

30	4AL20IS032	NAYANA T	P

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF INFORMATION SCIENCE & ENGINEERING

31	4AL20IS033	NESARA S GOWDA	P
32	4AL20IS034	NIDHI N SHETTY	P
33	4AL20IS035	POORVIKA B M	P
34	4AL20IS036	PRAJWAL GOWDA M M	P
35	4AL20IS037	PRASAD RAJENDRA ACHARI	P
36	4AL20IS038	RAHUL R POOJARY	P
37	4AL20IS039	RAVINDRAREDDY	P
38	4AL20IS040	RAVIRAJ	A
39	4AL20IS041	S G YASHAVARDHAN	P
40	4AL20IS042	SAHANA	P
41	4AL20IS043	SHARAN KUMAR	P
42	4AL20IS044	SHASHANK BIRADAR	P
43	4AL20IS045	SHETTY PRAJAKTA PRASHANT	P
44	4AL20IS046	SHRAMIK S SHETTY	P
45	4AL20IS047	SHWETHA R SHARMA	P
46	4AL20IS048	SRUSHTI SHIVANAND KUMATHE	P
47	4AL20IS049	SUDEEP K	P
48	4AL20IS050	SUDHEER	P
49	4AL20IS051	SUJAN P S	P
50	4AL20IS052	SURAJ SHRIKANT ANKOLEKAR	P
51	4AL20IS053	SUSHMA K N	P
52	4AL20IS054	SWETHA S	P
53	4AL20IS055	TEJAS R	P
54	4AL20IS056	TEJASWINI G	P
55	4AL20IS057	VAISHALI	P
56	4AL20IS058	VANDAN M SHETTY	P
57	4AL20IS059	VARSHA A M	P

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF INFORMATION SCIENCE & ENGINEERING

ORIENTATION PROGRAM ON "ADOPTING BLOOM'S TAXONOMY IN ENGINEERING COLLEGES"UNDER TOTAL QUALITY MANAGEMENT IN TEACHING LEARNING ON 19TH AUGUST 2023

FEEDBACK FORM

	Strongly agree	Agree	Neutral	Disagree
I.The objective of the orientation were clearly defined	0	0	0	0
2. Participation and interaction are encouraged	0	0	0	0
3.The topics covered were relevant to me	0	0	0	0
4.The content was organised and easy to follow	0	0	0	0
5.This orientation experience will be usefull to my work	0	0	0	0
6.The trainer was knowledgeable about the orientation topics	0	0	0	0
7.The trainer was well prepared	0	0	0	0
8.The orientation objectives were met	0	0	0	0
9.The time allotted for the orientation was sufficient	0	0	0.	0
10.The meeting room and facilities were adequate and comfortable	0	0	0	0

Suggestions (if any):.....

.....

.....

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF INFORMATION SCIENCE & ENGINEERING

ORIENTATION PROGRAM ON "ADOPTING BLOOM'S TAXONOMY IN ENGINEERING COLLEGES"UNDER TOTAL QUALITY MANAGEMENT IN TEACHING LEARNING ON 19TH AUGUST 2023

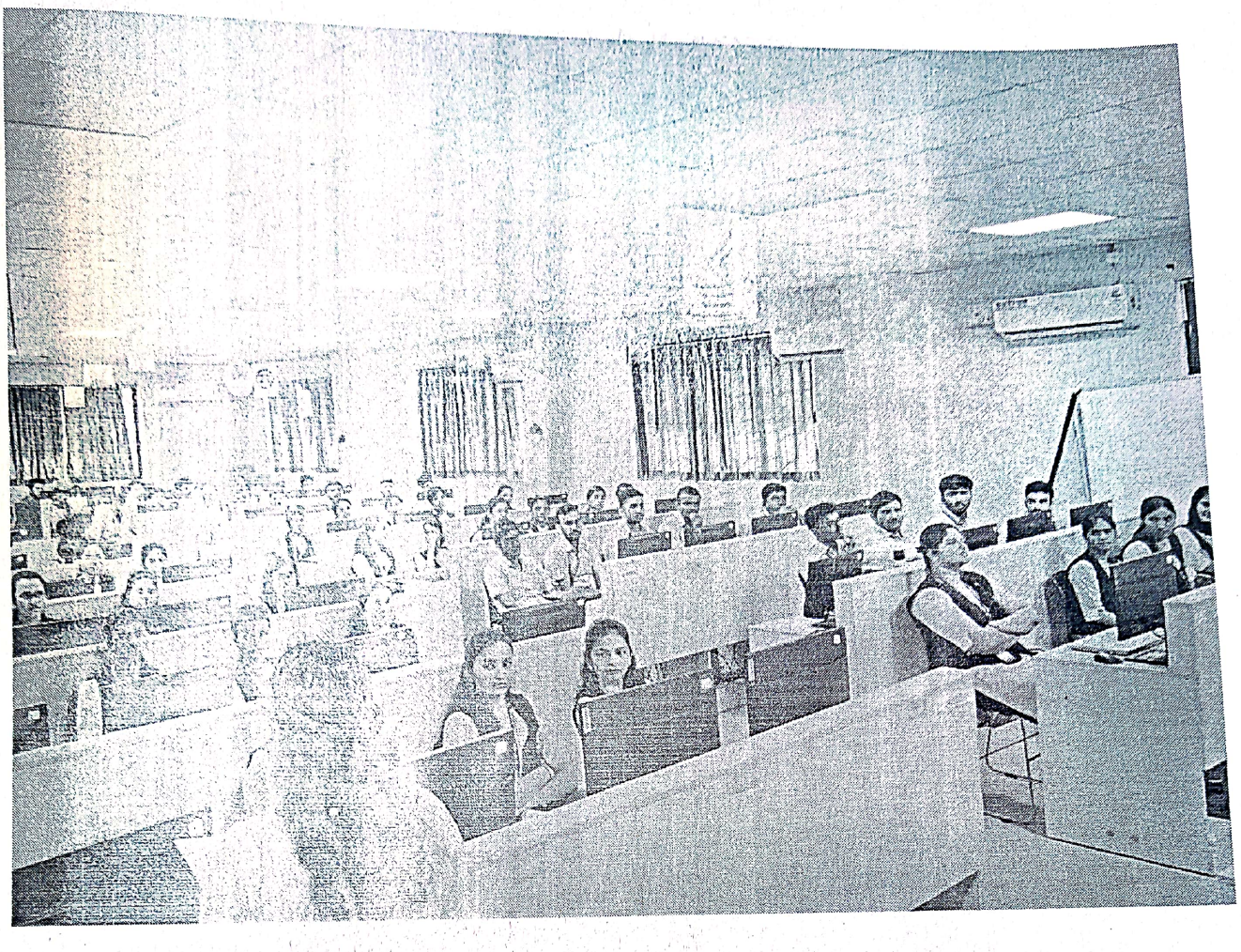
FEEDBACK FORM

	Strongly agree	Agree	Neutral	Disagree
I.The objective of the orientation were clearly defined	47%	40%	09%	04%
2. Participation and interaction are encouraged	48%	39%	08%	05%
3.The topics covered were relevant to me	69%	19%	07%	05%
4.The content was organised and easy to follow	75%	13%	06%	06%
5.This orientation experience will be usefull to my work	75%	13%	08%	04%
6.The trainer was knowledgeable about the orientation topics	73%	15%	07%	05%
7.The trainer was well prepared	78%	10%	09%	03%
8.The orientation objectives were met				
9.The time allotted for the orientation was sufficient	75%	13%	07%	05%
10.The meeting room and facilities were adequate and comfortable	48%	39%	08%	05%

HOD.
Dept. Of Information Science & Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF INFORMATION SCIENCE & ENGINEERING

ORIENTATION PROGRAM ON "ADOPTING BLOOM'S TAXONOMY IN ENGINEERING COLLEGES"UNDER TOTAL QUALITY MANAGEMENT IN TEACHING LEARNING ON 19TH AUGUST 2023



HOD
H.O.D.
Dept. Of Information Science & Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(Unit of Alva's Education Foundation (R), Moodbidri)
Affiliated to Visvesvaraya Technological University, Belagavi
Approved by AICTE, New Delhi. Recognized by Government of Karnataka.
Accredited by NAAC with A+ grade& NBA (ECE & CSE)

DEPT. OF INFORMATION SCIENCE & ENGINEERING

From,

Date:11-03-2024

Dr. Sudheer Shetty
Head of the Department
Information Science & Engineering
Alva's Institute of Engineering and Technology Moodbidri.

To,

The Principal
Alva's Institute of Engineering & Technology
Moodbidri

Respected Sir,

Sub: Requisition for Conducting an Orientation program on "ICT Tools in Teaching & Learning Process" under Total Quality Management In teaching Learning on 18th Mar 2024 reg:-

With reference to the above subject, we are planning to conduct **an Orientation program on "ICT Tools in Teaching & Learning Process" under Total Quality Management In teaching Learning on 18th Mar 2024.** This orientation program will be conducted only for internal faculty members and department students.

So I kindly request you to grant the permission for conducting this Orientation Program under Total Quality Management In teaching Learning. Totally faculties and students are planning fir this orientation program.

Thanking you

Your's faithfully

Dr.Sudheer Shetty
Head of the Department

H. O. D.
Dept. Of Information Science & Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

Dr.Peter Fernandes
Principal & IQAC Chairman

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(Unit of Alva's Education Foundation (R), Moodbidri)
Affiliated to Visvesvaraya Technological University, Belagavi
Approved by AICTE, New Delhi. Recognized by Government of Karnataka.
Accredited by NAAC with A+ grade& NBA (ECE & CSE)

DEPT. OF INFORMATION SCIENCE & ENGINEERING

CIRCULAR Date:15/03/2024

This is to inform that Orientation program on "**ICT Tools in Teaching & Learning Process**" under Total Quality Management in teaching Learning, will be organized by the department on 18th Mar 2024. All students of 4th , 6th and 8th semesters are here by instructed to attend the same without fail in your respective classes.

Timings: 2nd year(10:00 to 10:45 am)
3rd Year(11:00 to 11:45 am)
4th Year (2:00 to 3:00 pm)

HOD

H. O. D.
Dept. Of Information Science & Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726

Report on Orientation Program on "ICT Tools in Teaching & Learning Process" Under Total Quality Management in Teaching Learning

VENUE: ISE classrooms and ISE lab
Date: 18/03/2024

Resource Person: Dr. Pradeep V, Associate Professor, ISE, AIET

ICT Tools in Teaching & Learning Process Orientation Program was organized for the faculty and students of Information Science and Engineering department and Dr. Pradeep V highlighted the importance of adopting ICT Tools in Teaching & Learning Process. He had an interactive discussion about each ICT Tools in Teaching & Learning Process by giving valuable inputs for the desired assessment and evaluation. He started with introducing Information and Communication Technology (ICT) refers to digital tools used for communication, information processing, and knowledge sharing.

ICT tools support student engagement, enhance instructional methods, and provide diverse resources.

He explained the why it's important in education systems.

Personalized Learning: Adapts to student learning styles and speeds.
Accessibility: Provides remote access to resources.
Engagement: Makes learning more interactive and fun.
Collaboration: Facilitates teamwork and information sharing.
Real-World Skills: Prepares students for tech-driven workplaces.

Categories of ICT Tools in Education

- Learning Management Systems (LMS): Platforms for managing course materials (e.g., Moodle, Google Classroom).
- Content Creation Tools: Software for creating educational content (e.g., Canva, PowerPoint).
- Assessment Tools: Apps for quizzes, assignments, and feedback (e.g., Kahoot!, Quizizz).
- Collaboration Tools: Platforms for group projects (e.g., Microsoft Teams, Slack).
- Simulation & Gamification Tools: Interactive learning experiences (e.g., Labster, Minecraft Education Edition).

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF INFORMATION SCIENCE & ENGINEERING

ORIENTATION PROGRAM ON "ICT TOOLS IN TEACHING & LEARNING PROCESS" UNDER TOTAL QUALITY MANAGEMENT IN TEACHING LEARNING ON 18TH MARCH 2024

Faculties Attendance

#	Name of the faculty	Signature
1	Dr. Sudheer Shetty	P
2	Dr. Pradeep V	P
3	Mr. JayantKumar Rathod	P
4	Dr. Manjunath H R	P
5	Mr. Nagesh U B	P
6	Mr. Sharan Lional Pais	P
7	Mr.Naveen G	P
8	Mr.Mounesh A	P
9	Mr.Vasudev Shapur	P
10	Mrs.Kavitha	P
11	Mrs.Nisha	P
12	Mrs.Soumya	P
13	Mr.Pradeep Nayak	P
14	Mrs.Lolakshi	P

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF INFORMATION SCIENCE & ENGINEERING

ORIENTATION PROGRAM ON "ICT TOOLS IN TEACHING & LEARNING PROCESS" UNDER TOTAL QUALITY MANAGEMENT IN TEACHING LEARNING ON 18TH MARCH 2024

Student Attendance of 4th semester

SN	USN	NAME	ATTENDANCE
1	4AL22IS001	ADARSH	P
2	4AL22IS002	AFTAB KHAN	P
3	4AL22IS003	AKASH PUJARI	P
4	4AL22IS004	APOORVA	P
5	4AL22IS005	ASHA H D	P
6	4AL22IS006	BHOOMIKA M SHETTY	P
7	4AL22IS007	CHAYA	P
8	4AL22IS008	CHETHAN H D	P
9	4AL22IS009	CHIRAAG H	A
10	4AL22IS010	DHANUSH B V	P
11	4AL22IS011	ESHA	P
12	4AL22IS012	ETHAN HADLEY RODRIGUES	P
13	4AL22IS013	GURUPRASADA	P
14	4AL22IS014	HEMISH A	P
15	4AL22IS015	KARTHIK KUMAR P	P
16	4AL22IS016	KRISHNA KUMAR N	P
17	4AL22IS017	LAVANYA N MOGER	P
18	4AL22IS018	LOHIT MAHADEV PATGAR	P
19	4AL22IS019	MANISH D SALIAN	P
20	4AL22IS020	MANOJRAO	P
21	4AL22IS021	MANVIKA K R	P
22	4AL22IS022	MEGHANA MOHAN NAIK	P
23	4AL22IS023	MOHAMMED FARHAN	P
24	4AL22IS024	NANDINI K A	P
25	4AL22IS025	NANDINI RAJU BORAGAVE	P
26	4AL22IS026	NAVYA Y R	P
27	4AL22IS027	NIKITHA SHETTY	P
28	4AL22IS028	NISARGA SHRIDHAR NAIK	P

29	4AL22IS029	NISHA	

ALVA'S
Education Foundation®

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF INFORMATION SCIENCE & ENGINEERING

30	4AL22IS030	OLIVA MARY FERNANDES	
31	4AL22IS031	OMKAR RAJIV NAIK	
32	4AL22IS032	PAVAN KUMAR MARIHONNAPPANAVAR	
33	4AL22IS033	PAVITHRA	
34	4AL22IS034	POOJA SHRIKANT SONNAD	
35	4AL22IS035	PRABHUGOUDA H FAKKIRAGOUDRA	
36	4AL22IS036	PRAJWALA BAHUBALI CHANDAKE	
37	4AL22IS037	PRANAM J	
38	4AL22IS038	PRAPTHI D POONJA	
39	4AL22IS039	PRATHA SHETTY	
40	4AL22IS040	PREETHAM SHETTY	
41	4AL22IS041	PRIYANKA S TOTAGER	
42	4AL22IS042	PUNNYA SHREE K N	
43	4AL22IS043	RANJITHA M	
44	4AL22IS044	RAVI KUMAR	
45	4AL22IS045	RITHIKA G SHETTY	
46	4AL22IS046	SAMAREEN CHANDAPATEL WADAGERI	
47	4AL22IS047	SHODHAN RAO	
48	4AL22IS048	SHRADDHA SHETTY	
49	4AL22IS049	SHREEYA G R	
50	4AL22IS050	SHREYA SOMANATH HUNASIMARAD	
51	4AL22IS051	SHUBHAM S VERNEKAR	
52	4AL22IS052	SHWETHA NAYAK	
53	4AL22IS053	SMITHESH SHETTY	
54	4AL22IS054	SOUJANYA TALAWAR	
55	4AL22IS055	SOWMYA R	
56	4AL22IS056	SRAJESH SHETTY	
57	4AL22IS057	SUDEEP KUMAR	
58	4AL22IS059	SUKANYA	
59	4AL22IS060	SURABHI	
60	4AL22IS061	UTKARSHA SUNIL SADALAGE	
61	4AL22IS062	VISMAY	
62	4AL22IS063	YASHODHA RAJU DEVADIGA	

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF INFORMATION SCIENCE & ENGINEERING

ORIENTATION PROGRAM ON "ICT TOOLS IN TEACHING & LEARNING PROCESS" UNDER TOTAL QUALITY MANAGEMENT IN TEACHING LEARNING ON 18TH MARCH 2024

Student Attendance of 6th semester

SN	USN	NAME	ATTENDANCE
1	4AL21IS001	ADITHYA TEJASWI D	P
2	4AL21IS002	AFIZA A	P
3	4AL21IS003	AISHWARYA SALIMATH	P
4	4AL21IS004	AKASH DEVADIGA	P
5	4AL21IS005	AMAR B M	P
6	4AL21IS006	ANAGHA UDUPA Y N	P
7	4AL21IS007	ANANYA	P
8	4AL21IS008	ANIRUDH KAMATH K	P
9	4AL21IS009	ANKITHA B	P
10	4AL21IS010	BHAGYASHREE R PUJARI	P
11	4AL21IS011	BHARATH J	P
12	4AL21IS012	BHUMIKA SUNIL KULKARNI	P
13	4AL21IS013	CHAITRA S KODDADDI	A
14	4AL21IS014	CHANDAN M N	P
15	4AL21IS015	CHINDAN B V	P
16	4AL21IS017	GOWRISH N	P
17	4AL21IS018	HARSHITHA B	P
18	4AL21IS019	JAHNAVI	P
19	4AL21IS020	KARTHIK MADAKARI T P	P
20	4AL21IS021	KELVIN DMELLO	P
21	4AL21IS022	KOUSHIK ACHAR	A
22	4AL21IS023	KRUPASHREE R	P
23	4AL21IS024	LAYA R	P
24	4AL21IS025	MANIKANTA	P
25	4AL21IS026	MANISH K	P
26	4AL21IS027	MANJUNATH R	P
27	4AL21IS029	MANOJ M U	P
28	4AL21IS030	MOHAMMED ADIL	P
29	4AL21IS031	MOHAMMED RIHAN	P
30	4AL21IS032	MUHAMMED YAMIN SHARFUDDIN	P

31	4AL21IS033	NANDAN S	
32	4AL21IS034	NISHANT KUMAR	

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF INFORMATION SCIENCE & ENGINEERING

35	4AL21IS037	PRAJWAL GOWDA H G	
36	4AL21IS038	PRASHANTH KUMAR B C	
37	4AL21IS039	PREETHAM BYADAGI	
38	4AL21IS040	R SREEJITH	
39	4AL21IS041	RANJITH	
40	4AL21IS042	SANJAY G K	
41	4AL21IS043	SANNIDHI K S	
42	4AL21IS044	SAPTHAMI	
43	4AL21IS045	SARTHAK K JAIN	
44	4AL21IS046	SATEESH DYAVAPPA SATYANNAVAR	
45	4AL21IS047	SATHWIK K D	
46	4AL21IS048	SHARAVI R RAI	
47	4AL21IS049	SHASHIDHAR MAHADEV PATGAR	
48	4AL21IS050	SHRAVAN R POOJARY	
49	4AL21IS051	SHRAVITHA	
50	4AL21IS052	SHREYA RAI	
51	4AL21IS053	SHRUJAN KUMAR H V	
52	4AL21IS054	SOORAJ	
53	4AL21IS055	SRIDEEKSHA G	
54	4AL21IS056	SRIKANTH RAJU SRINIVAS	
55	4AL21IS057	SRUJAN K M	
56	4AL21IS058	SRUSTI P S	
57	4AL21IS059	SUVAN P KEDILAYA	
58	4AL21IS060	SUVARNA ARVINKANTH HARISH	
59	4AL21IS061	SYED SALEHA	
60	4AL21IS062	VASAVI RAI C	
61	4AL21IS063	VITHIKA SHETTY	
62	4AL21IS064	CHANDANA N M	
63	4AL22IS400	ANKITH	
64	4AL22IS401	CHARAN S V	
65	4AL22IS402	CHETAN BYAHATTI	
66	4AL22IS403	LOHITH H	
67	4AL22IS404	NAMRATHA J SHETTY	
68	4AL22IS405	RAHUL P SHETTY	

31	4AL21IS033	NANDAN S	
32	4AL21IS034	NISHANT KUMAR	

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF INFORMATION SCIENCE & ENGINEERING

35	4AL21IS037	PRAJWAL GOWDA H G	
36	4AL21IS038	PRASHANTH KUMAR B C	
37	4AL21IS039	PREETHAM BYADAGI	
38	4AL21IS040	R SREEJITH	
39	4AL21IS041	RANJITH	
40	4AL21IS042	SANJAY G K	
41	4AL21IS043	SANNIDHI K S	
42	4AL21IS044	SAPTHAMI	
43	4AL21IS045	SARTHAK K JAIN	
44	4AL21IS046	SATEESH DYAVAPPA SATYANNAVAR	
45	4AL21IS047	SATHWIK K D	
46	4AL21IS048	SHARAVI R RAI	
47	4AL21IS049	SHASHIDHAR MAHADEV PATGAR	
48	4AL21IS050	SHRAVAN R POOJARY	
49	4AL21IS051	SHRAVITHA	
50	4AL21IS052	SHREYA RAI	
51	4AL21IS053	SHRUJAN KUMAR H V	
52	4AL21IS054	SOORAJ	
53	4AL21IS055	SRIDEEKSHA G	
54	4AL21IS056	SRIKANTH RAJU SRINIVAS	
55	4AL21IS057	SRUJAN K M	
56	4AL21IS058	SRUSTI P S	
57	4AL21IS059	SUVAN P KEDILAYA	
58	4AL21IS060	SUVARNA ARVINKANTH HARISH	
59	4AL21IS061	SYED SALEHA	
60	4AL21IS062	VASAVI RAI C	
61	4AL21IS063	VITHIKA SHETTY	
62	4AL21IS064	CHANDANA N M	
63	4AL22IS400	ANKITH	
64	4AL22IS401	CHARAN S V	
65	4AL22IS402	CHETAN BYAHATTI	
66	4AL22IS403	LOHITH H	
67	4AL22IS404	NAMRATHA J SHETTY	
68	4AL22IS405	RAHUL P SHETTY	

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF INFORMATION SCIENCE & ENGINEERING

ORIENTATION PROGRAM ON "ICT TOOLS IN TEACHING & LEARNING PROCESS" UNDER TOTAL QUALITY MANAGEMENT IN TEACHING LEARNING ON 18TH MARCH 2024

Student Attendance of 8th semester

SN	USN	NAME	ATTENDANCE
1	4AL20IS001	ABHISHEK R BHAT	P
2	4AL20IS002	ABHISHEK S V	P
3	4AL20IS003	AKASH K ACHARYA	P
4	4AL20IS004	AMRUTH P S	P
5	4AL20IS005	ANAND M RASTAPUR	P
6	4AL20IS006	ANSON SAROSH DSOUZA	P
7	4AL20IS007	ASHWINI M	P
8	4AL20IS008	B S SUMUKHA	P
9	4AL20IS009	C H RAKESH	P
10	4AL20IS010	CHANDANA A S	P
11	4AL20IS011	CHANDANA P T	P
12	4AL20IS013	DARSHAN S	P
13	4AL20IS014	DEEKSHITH	P
14	4AL20IS015	DEVADIGA LIKHIT KUMAR GANESH	P
15	4AL20IS016	DIYA H B	P
16	4AL20IS017	FATHIMA THAHIBA	A
17	4AL20IS018	FINNY PAUL	P
18	4AL20IS019	GARY RICHARDS R	P
19	4AL20IS020	KEERTHANA G	P
20	4AL20IS021	LIKHITA K M	P
21	4AL20IS023	MADHU M	P
22	4AL20IS024	MADHUSHREE	P
23	4AL20IS025	MEGHANA K	P
24	4AL20IS026	MOHAMMED FIROZ	P
25	4AL20IS027	MOHAMMED SUFIYAN	P
26	4AL20IS028	MOHAN RAJU V	P
27	4AL20IS029	MONISHA N S	P
28	4AL20IS030	MOOLLYA GAUTAMI BHASKAR	P

29	4AL20IS031	NANDAN M R	
30	4AL20IS032	NAYANA T	

ALVA'S
Education Foundation

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF INFORMATION SCIENCE & ENGINEERING

31	4AL20IS033	NESARA S GOWDA	
32	4AL20IS034	NIDHI N SHETTY	
33	4AL20IS035	POORVIKA B M	
34	4AL20IS036	PRAJWAL GOWDA M M	
35	4AL20IS037	PRASAD RAJENDRA ACHARI	
36	4AL20IS038	RAHUL R POOJARY	
37	4AL20IS039	RAVINDRAREDDY	
38	4AL20IS040	RAVIRAJ	
39	4AL20IS041	S G YASHAVARDHAN	
40	4AL20IS042	SAHANA	
41	4AL20IS043	SHARAN KUMAR	
42	4AL20IS044	SHASHANK BIRADAR	
43	4AL20IS045	SHETTY PRAJAKTA PRASHANT	
44	4AL20IS046	SHRAMIK S SHETTY	
45	4AL20IS047	SHWETHA R SHARMA	
46	4AL20IS048	SRUSHTI SHIVANAND KUMATHE	
47	4AL20IS049	SUDEEP K	
48	4AL20IS050	SUDHEER	
49	4AL20IS051	SUJAN P S	
50	4AL20IS052	SURAJ SHRIKANT ANKOLEKAR	
51	4AL20IS053	SUSHMA K N	
52	4AL20IS054	SWETHA S	
53	4AL20IS055	TEJAS R	
54	4AL20IS056	TEJASWINI G	
55	4AL20IS057	VAISHALI	
56	4AL20IS058	VANDAN M SHETTY	
57	4AL20IS059	VARSHA A M	

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF INFORMATION SCIENCE & ENGINEERING

ORIENTATION PROGRAM ON "ICT TOOLS IN TEACHING & LEARNING PROCESS" UNDER TOTAL QUALITY MANAGEMENT IN TEACHING LEARNING ON 18TH MARCH 2024

FEEDBACK FORM

	Strongly agree	Agree	Neutral	Disagree
I.The objective of the orientation were clearly defined	0	0	0	0
2. Participation and interaction are encouraged	0	0	0	0
3.The topics covered were relevant to me	0	0	0	0
4.The content was organised and easy to follow	0	0	0	0
5.This orientation experience will be usefull to my work	0	0	0	0
6.The trainer was knowledgeable about the orientation topics	0	0	0	0
7.The trainer was well prepared	0	0	0	0
8.The orientation objectives were met	0	0	0	0
9.The time allotted for the orientation was sufficient	0	0	0	0
10.The meeting room and facilities were adequate and comfortable	0	0	0	0

Suggestions (if any):.....

.....

.....

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF INFORMATION SCIENCE & ENGINEERING

ORIENTATION PROGRAM ON "ICT TOOLS IN TEACHING & LEARNING PROCESS" UNDER TOTAL QUALITY MANAGEMENT IN TEACHING LEARNING ON 18TH MARCH 2024

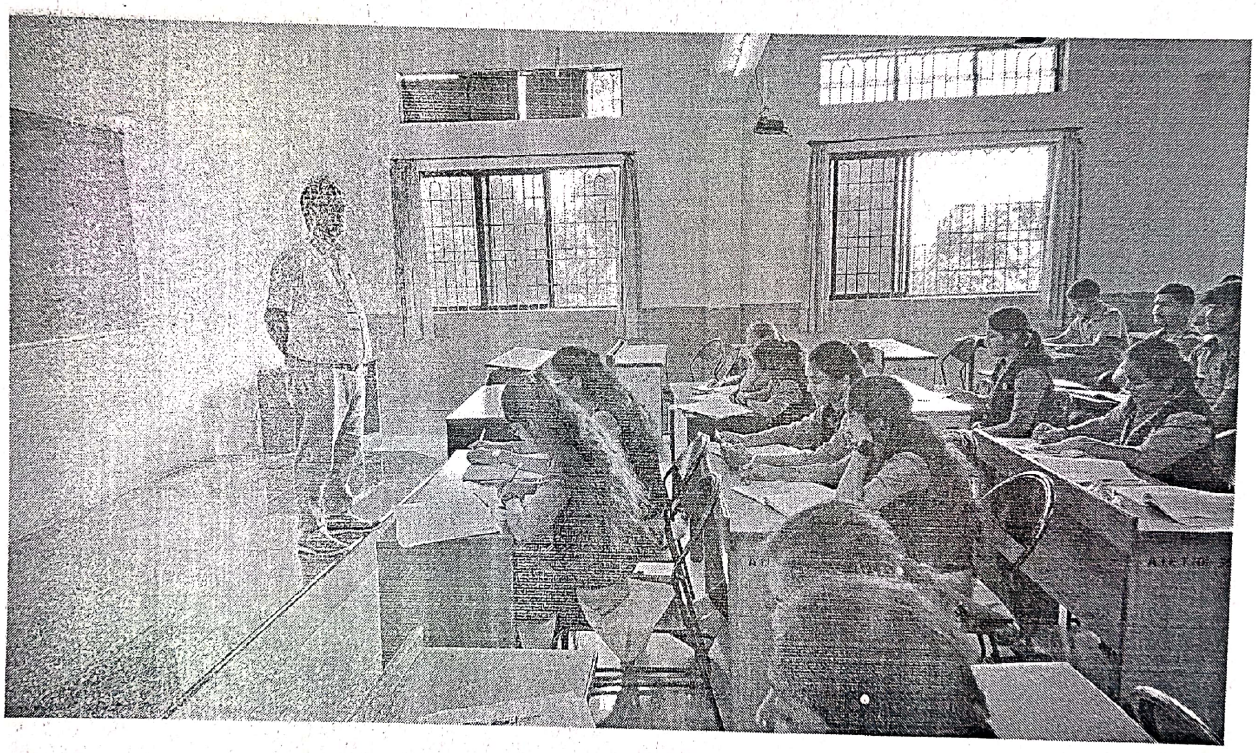
FEEDBACK FORM

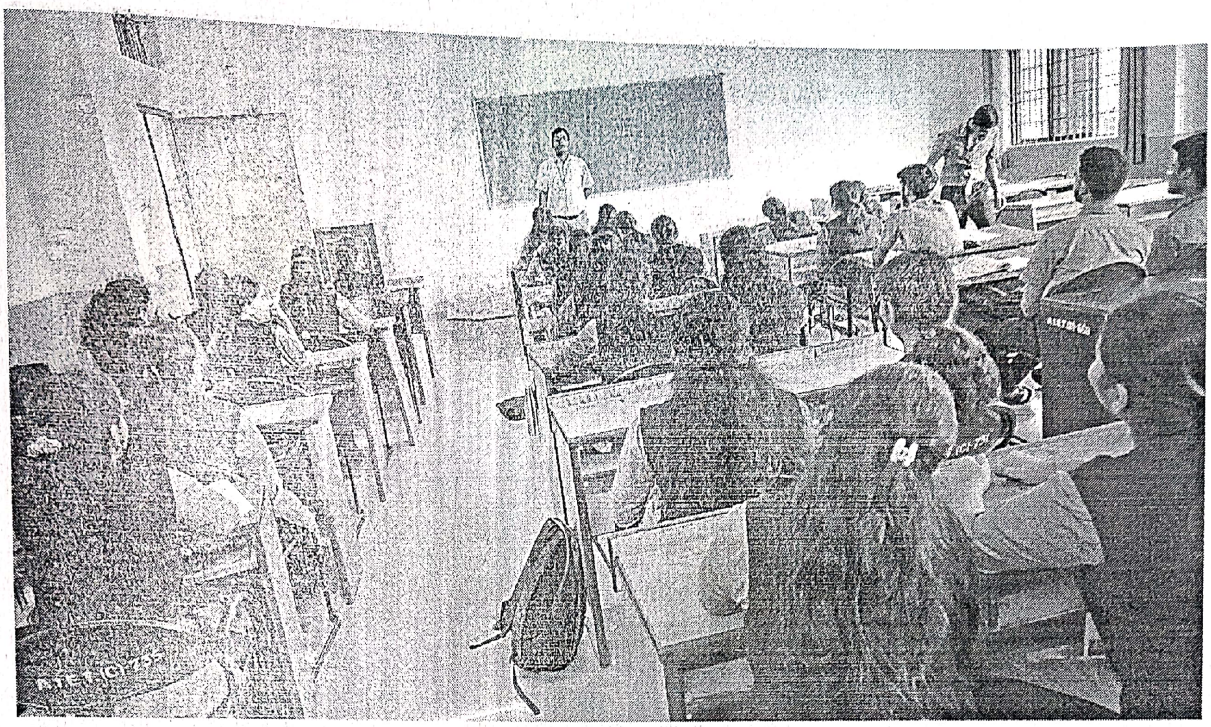
	Strongly agree	Agree	Neutral	Disagree
I.The objective of the orientation were clearly defined	47%	40%	09%	04%
2. Participation and interaction are encouraged	48%	39%	08%	05%
3.The topics covered were relevant to me	69%	19%	07%	05%
4.The content was organised and easy to follow	75%	13%	06%	06%
5.This orientation experience will be usefull to my work	75%	13%	08%	04%
6.The trainer was knowledgeable about the orientation topics	73%	15%	07%	05%
7.The trainer was well prepared	78%	10%	09%	03%
8.The orientation objectives were met				
9.The time allotted for the orientation was sufficient	75%	13%	07%	05%
10.The meeting room and facilities were adequate and comfortable	48%	39%	08%	05%

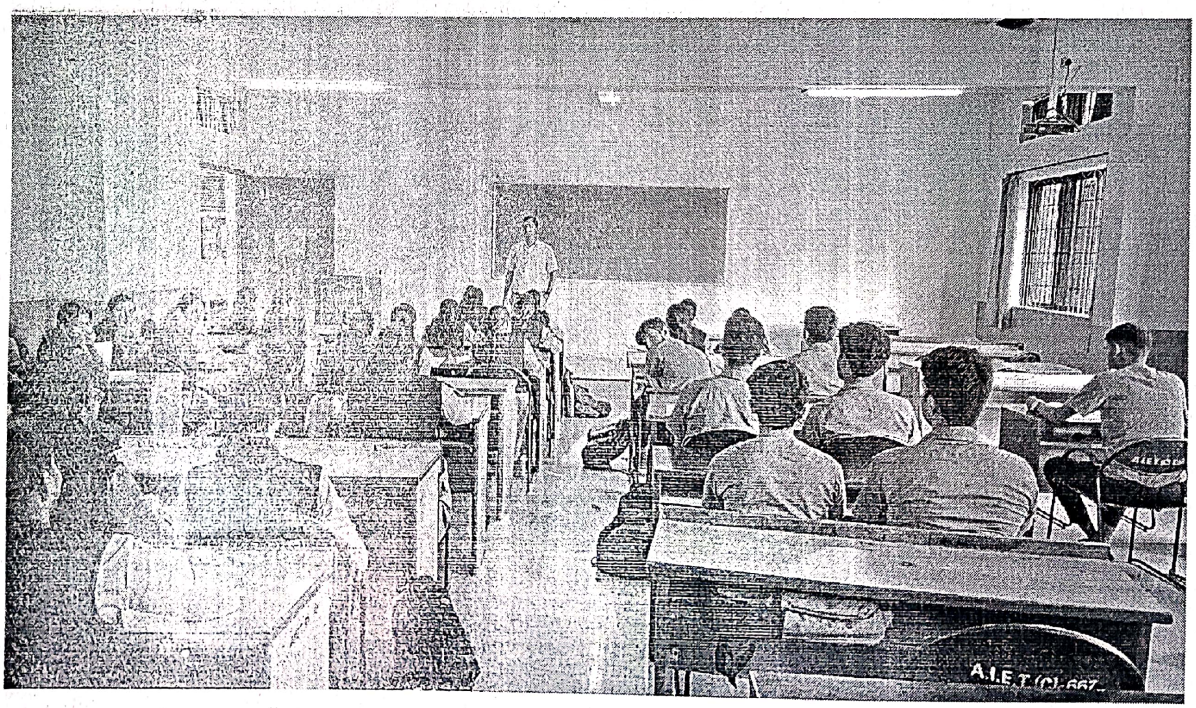
HOD
Dept. Of Information Science & Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF INFORMATION SCIENCE & ENGINEERING

ORIENTATION PROGRAM ON "ICT TOOLS IN TEACHING & LEARNING PROCESS" UNDER TOTAL QUALITY MANAGEMENT IN TEACHING LEARNING ON 18TH MARCH 2024







HOD
H.O.D.
Dept. Of Information Science & Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225