EVENT NAME: "Cloud Data Pipeline Bootcamp-Azure Edition"

Organized by

Department of MCA In Association With CSI

DATE: 13th December 2025

VENUE: MCA Lab

BRIEF DESCRIPTION OF THE EVENT:

The workshop **Cloud Data Pipeline Bootcamp – Azure Edition** was conducted to introduce students to core concepts of cloud-based data engineering and modern data pipeline architectures. The session provided MCA first-year students with hands-on experience in designing data workflows, ingesting and transforming data, and building end-to-end data pipelines using Microsoft Azure services. It aimed to strengthen their understanding of cloud data processing, automation, and scalability while equipping them with practical skills required for managing and analyzing data in real-world, cloud-native environments.

Topics Emphasized:

Introduction to Cloud Data Pipelines using Azure

Students were introduced to the fundamentals of cloud data engineering and the concept of data pipelines. The session explained how data flows from source systems to storage and analytics platforms using cloud-native services in Microsoft Azure.

Data Ingestion and Storage in Azure

Resource person demonstrated methods to ingest data from different sources using Azure services such as Azure Data Factory and Azure Blob Storage. Students learned how raw data is collected, stored, and organized in the cloud for further processing.

Data Transformation and Processing

The workshop covered basic data transformation techniques using Azure tools. Students understood how data can be cleaned, transformed, and prepared for analytics, emphasizing the role of scalable cloud processing in handling large datasets.

End-to-End Cloud Data Pipeline Implementation

A simple hands-on pipeline was designed and demonstrated, showing the complete workflow from data ingestion to storage and processing in Azure. This practical exposure helped students connect theoretical concepts with real-world cloud data pipeline implementation and reinforced their understanding of modern data engineering practices.

Outcomes:

• Students gained hands-on experience in understanding cloud data pipeline concepts using MicrosoftAzure.

• Understood how to ingest data from multiple sources and store it in cloud storage services.

• Learned the structure, components, and benefits of cloud-based data pipelines.

• Designed and observed the execution of a simple end-to-end data pipeline on Azure.

• Understood the complete data flow from data source → ingestion → storage → processing in a cloud environment.

Activities Conducted:

• Demonstration of Azure cloud services relevant to data pipelines, such as Azure Data Factory and Azure Blob Storage.

• Live walkthrough of creating and configuring a basic data pipeline in Azure.

• Hands-on activity: Students explored pipeline components and monitored data movement and execution.

• Q&A, interaction, and clarification session with the resource person.

• Discussion on industry roles related to cloud data engineering, data analytics, Azure cloud services, and data pipeline architecture.

NO. OF PARTICIPANTS: 44

WINNERS (if any, for activities conducted): NA

GUEST DETAILS (Name, Designation, Organisation, Location) :
Ms.Somapudi Sai Geetanjali

Data Engineer, TE Connectivity, Bangalore

Workshop

Cloud Data Pipeline Bootcamp - Azure Edition

📅 13th December 2025

🕐 09:00 AM to 12:00 PM

📍 MCA Lab
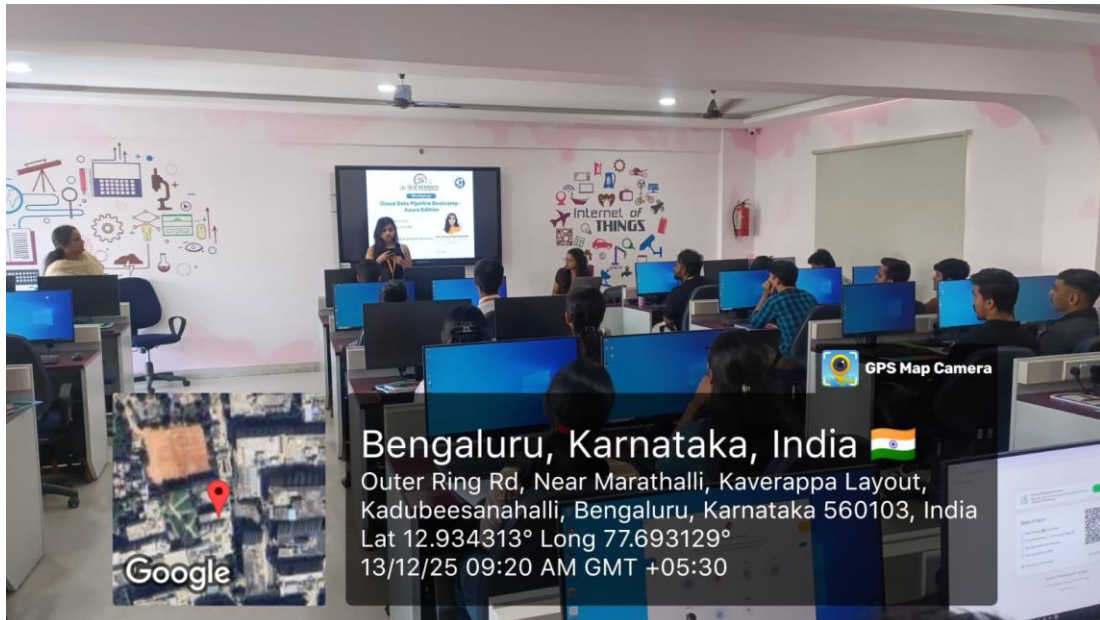
👥 I Semester MCA Students, B Section

Ms. Somapudi Sai Geetanjali
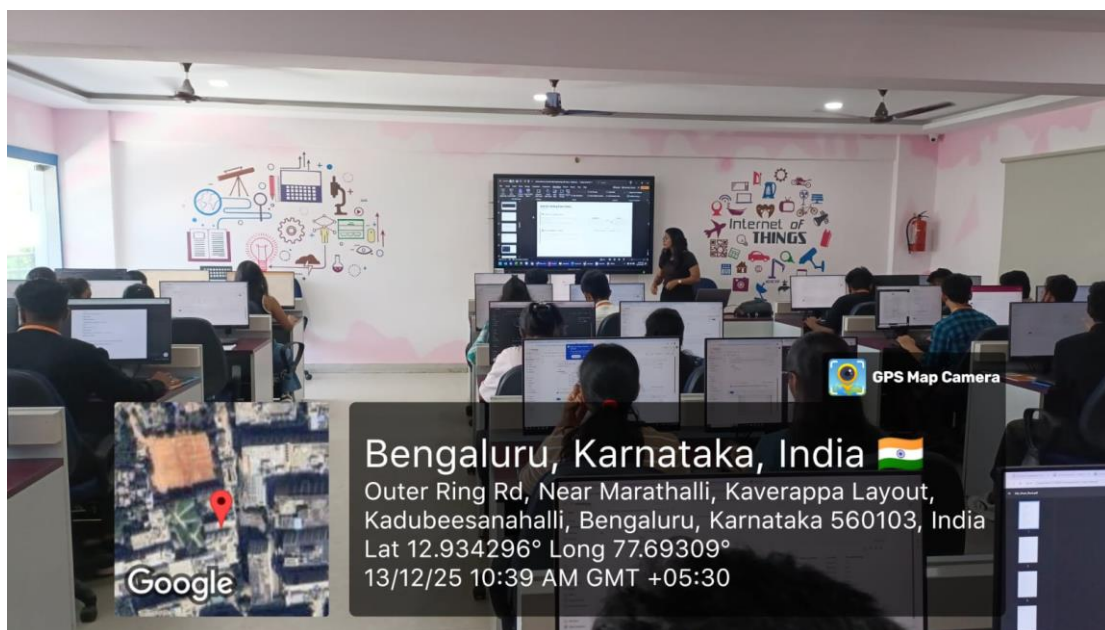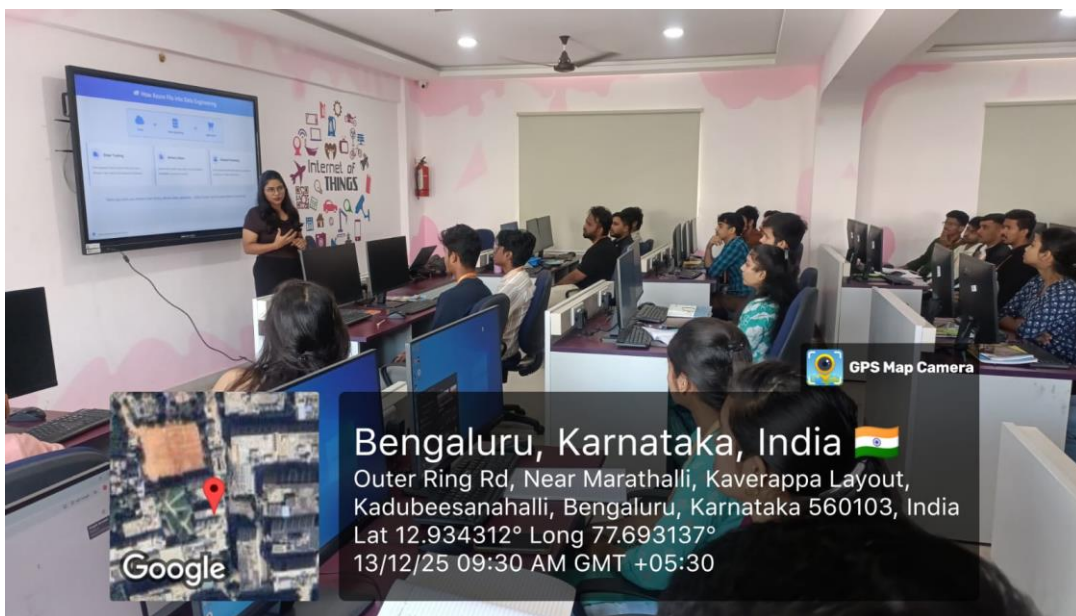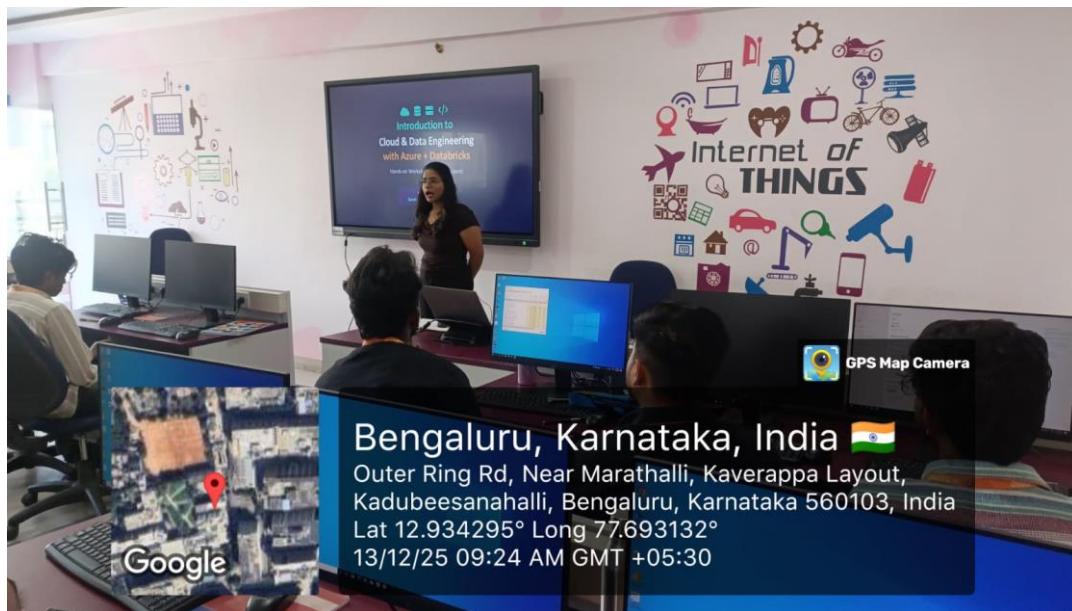Data Engineer, TE Connectivity
Bengaluru

Faculty Coordinator
Mrs. Kalaivani A
Sr. Assistant Professor,
MCA Department, NHCE

Convenor
Dr. V Asha
Professor & HoD,
MCA Department, NHCE

Organised by
Department of Master of Computer Applications

PHOTOGRAPHS OF THE EVENT:

Bengaluru, Karnataka, India 🇮🇳
Outer Ring Rd, Near Marathalli, Kaverappa Layout,
Kadubeesanahalli, Bengaluru, Karnataka 560103, India
Lat 12.934295° Long 77.693132°
13/12/25 09:24 AM GMT +05:30

Bengaluru, Karnataka, India 🇮🇳
Outer Ring Rd, Near Marathalli, Kaverappa Layout,
Kadubeesanahalli, Bengaluru, Karnataka 560103, India
Lat 12.934312° Long 77.693137°
13/12/25 09:30 AM GMT +05:30

Bengaluru, Karnataka, India 🇮🇳
Outer Ring Rd, Near Marathalli, Kaverappa Layout,
Kadubeesanahalli, Bengaluru, Karnataka 560103, India
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13/12/25 10:39 AM GMT +05:30

FEEDBACK:

Clarity of the presentation.

43 responses
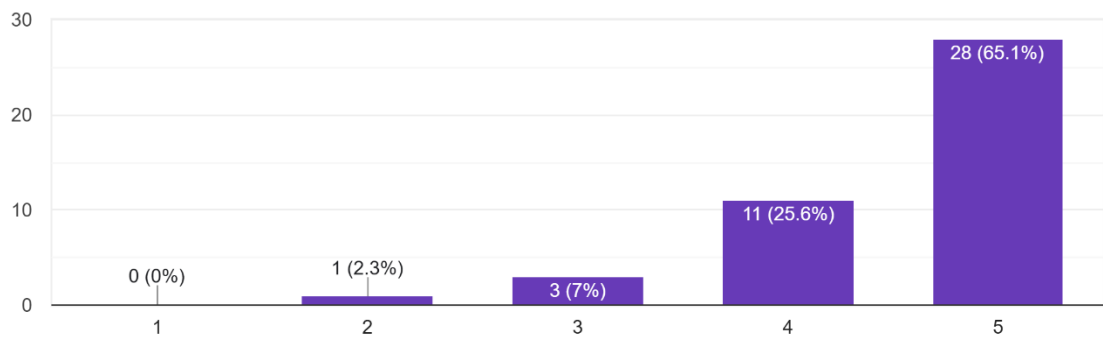
Quality of the Workshop conducted

43 responses
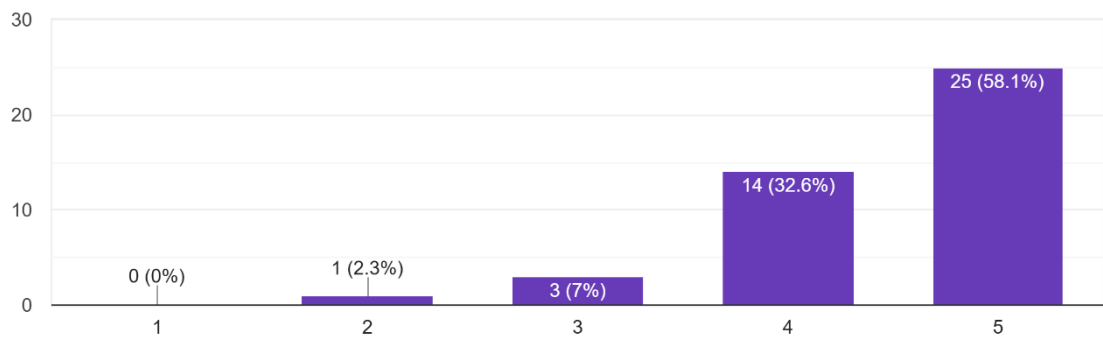
Achievement level in understanding the topics

43 responses
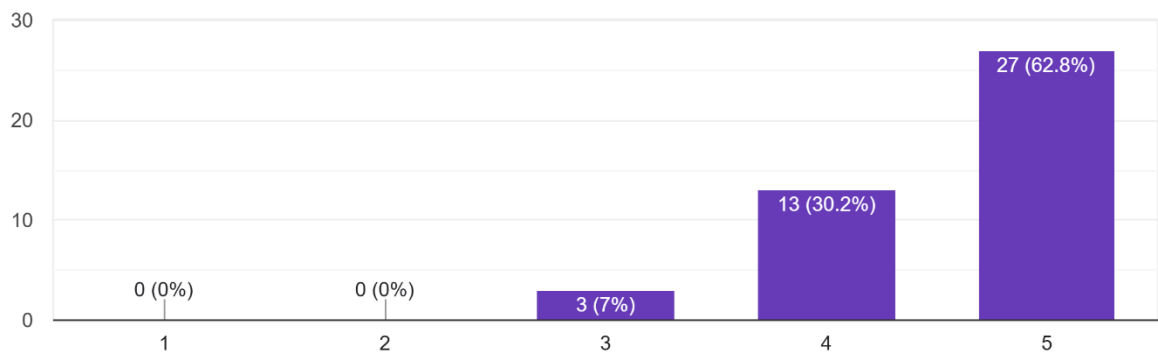
Effectiveness of the Handson depicted during the workshop.

43 responses
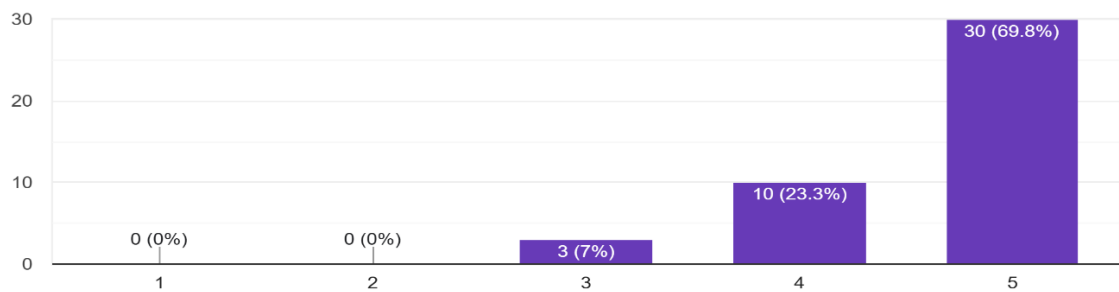
How relevant was the content of the session to your course or academic interests?
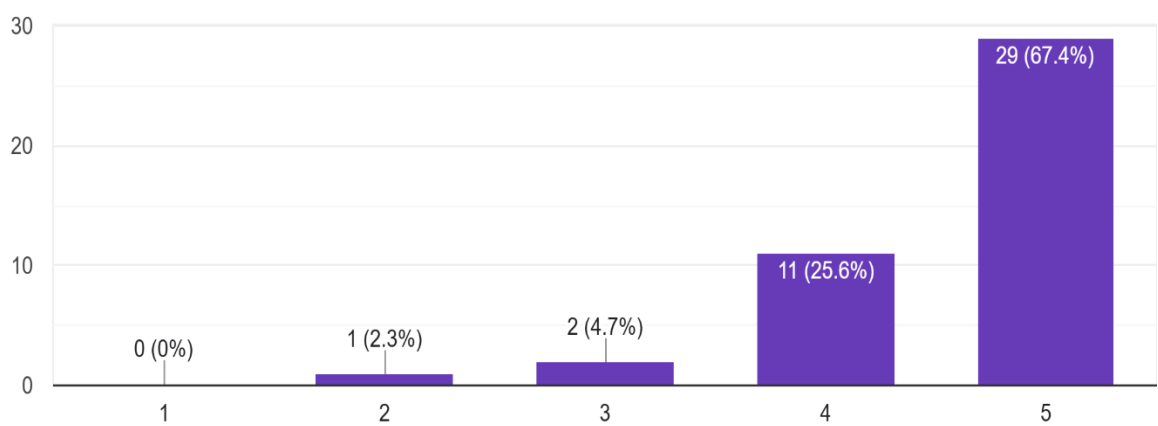
43 responses

How relevant was the content of the session to your course or academic interests?
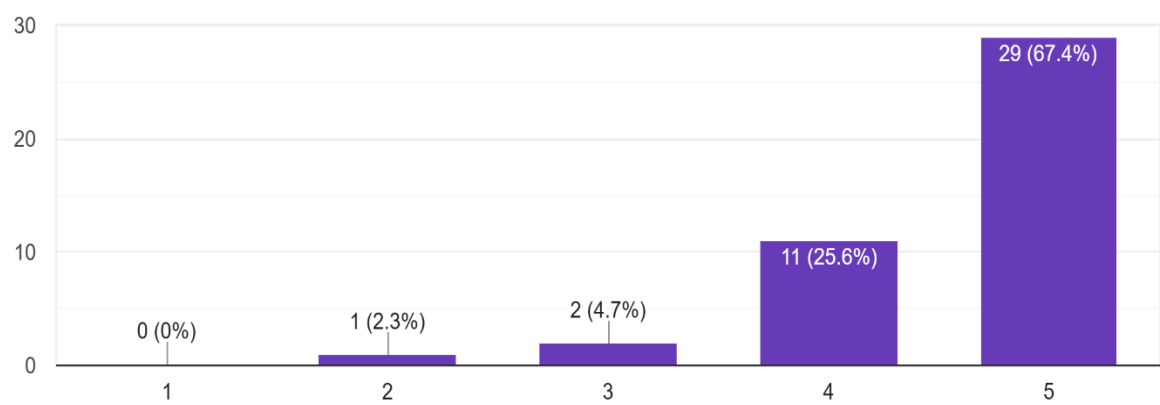
43 responses

Comments if any

10 responses

Good

NA

No

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It's nice and use full

Had a great session

N/A

Nice

It was good!!

NEW HORIZON
COLLEGE OF ENGINEERING
New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF MCA
AY 2025-26
ATTENDANCE SHEET OF PARTICIPANTS
WORKSHOP
Cloud Data Pipeline Bootcamp - Azure Edition

RESOURCE PERSON: Ms. Somapudi Sai Geetanjali

Data Engineer

TE Connectivity
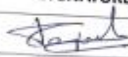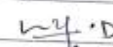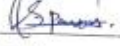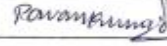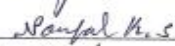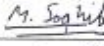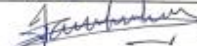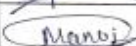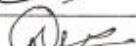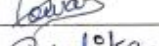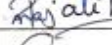
DATE: 13-12-2025

TIME: 9:00 am to12:00 pm

PARTICIPANTS: STUDENTS SEM I

VENUE: MCALAB 2

SERIAL NO	USN NO	NAME	SIGNATURES
1	25MCA100 -T	Pavithra Sai Some	Pavithra
2.	25MCA116 -T	Poornima. Naikar	
3.	25MCA109-T	Ninditha. M.H.	Ne
4.	25MCA181-T	Sahana V.D	
5.	25MCA169-T	Nagashree T.Mesta	Nagashree
6.	25MCA086-T	Rahul R	Rahul
7	25MCA112-T	Rakshitha. C	
8	25MCA107 - T	Mouna. K	
9	25MCA030 - T	Rohith .R	Rohith.R
10	25MCA011 -T	Rahul Raj - M.	
11	25MCA141-T	Pallavi M	Pallavim
12	25MCA114 -T	Rakshitha PR	Rakshitha

SERIAL NO	USN NO	NAME	SIGNATURES
13	25MCA026	Rajesh·M	
14	25MCA033	Laya·D	L-Y·D
15	25MCA075	pallavi Singh	
16	25MCA037	M THARUN RAJ	M·Thalaj
17	25MCA041	PAVAN Kumar·S	
18	25MCA020	RITHIK KUMAR	
19	25mCA176	Punith.m	
20	25MCA098	Prem	
21	25MCA131-T	Prachath.2	
22	25MCA095	Param Kumar S-M	Pavankumg
23	25MCA166	PB Likith.	Likith
24	25MCA177-T	NOUFAL R.S	Naufal R.S
25	25MCA070-T	Mohd Saqlib	M. Saqlib
26	25MCA173-T	S.krishna	
27	25MCA118-T	Praveen. R. Ghatage	Pl
28	25MCA168-T	Poornachandra.K	
29	25MCA052-T	Manoj Naik	Manoj
30	25MCA159-T	Mandara. S.A	Madt.
31	25MCA005-T	Mohit Guonani	@ohi
32	25MCA063-T	Kunal Ray	kunal
33	25MCA129-T	Mohammed Suhaib	
34	25MCA054-T	Omkar D Powar	ova
35	25MCA056-T	Prerana Majalikar	Rajalika
36	25MCA017-T	Omprakash Pariya	

Workshop –Cloud Data Pipeline Bootcamp – Azure Edition

DATED: 13.12.2025

SERIAL NO	USN NO	NAME	SIGNATURES
37	25MCA009-T	RUPAM GIRI	Rupam Giri
38	25MCA038-T	Purnanki Das	Das
39	25MCA050-T	Megha Mondal	M.M
40	25MCA101-T	Manasa.S	Manasa
41	25MCA149-T	Nithya.M	nithu
42	25MCA067-T	Milan.H	Milan.H
43	25MCA0155-T	Mahesh.s	Mcale
44	25MCA 125 .T	Bratik.s.M	

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FACULTY COORDINATOR

A. KALAIVANI

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Dr. ASHA V