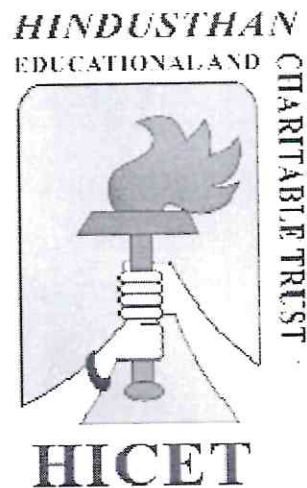


***Hindusthan College of Engineering and Technology,
Valley Campus, Pollachi Highway, Coimbatore 641 032.
www.hicet.ac.in***



CENTRE FOR FACULTY DEVELOPMENT (CFD)



***Hindusthan College of Engineering and Technology,
Valley Campus, Pollachi Highway, Coimbatore 641 032.
www.hicet.ac.in***

About CFD

Faculty development is a significant element of Institutional Knowledge base. The more the institution supports faculty development and calibre improvement, the more effect is reflected in the levels of the learning activities, conduct of research and there by fulfilling the goals of the Institution.

The aim of Centre for Faculty Development is to equip the individuals, belonging to different fields of work, with necessary skills to meet the ever-mounting challenges and inculcate in them the pride of belonging to the particular profession to which they belong. The prime objective of the CFD is to cater to the needs of the teachers and to enhance their knowledge / skills through systematic methodologies.

VISION

To inculcate among teachers the motivations to promote institutional effectiveness through the development of personal, instructional, organizational and professional growth of faculty.

MISSION

- ❖ To promote organizational strategies for faculty development so as to motivate teachers to grow professionally and enable the institution to grow.
- ❖ Faculty development is expected to result in improved teaching performance and better learning outcomes for students and teachers.
- ❖ Developing all round skills are a prominent aspect for faculty development.



Re-Constitution of Team Members –CFD

(2024 – 2025)

Dr JAYA.J

Principal & Chair Person

Dr A R JayaSudha

Professor

Department of Computer Applications

Dr K Akil

Professor

Department of Civil Engineering

Mr KARun Raja

Assistant Professor

Department of Aeronautical Engineering

Mr. Dr Yoga raja J

Assistant Professor

**Department of Automobile
Engineering**

Ms. K. Saraswathi

Assistant Professor

**Department of Civil
Engineering**

Dr. SEKAR K

Assistant Professor

**Department of Electrical and Electronics
Engineering**

Dr Ramya Jayakumar

Assistant Professor

**Department of Electronics
and Communication
Engineering**

Mr Ram Kumar

Sakthivel Assistant Professor

**Department of Mechanical
Engineering**



ACADEMIC YEAR 2024— 2025

**CENTRE FOR FACULTY DEVELOPMENT
(CFD)**

Faculty Development Programme

Schedule of Events (2024 - 2025)

Date	Topic / Session	Resource Person	Participants
10,11,12,13 &17September 2024	Three Days New Faculty Orientation Programme	Principal, ceo & all Dept Hod's	Faculties of CSE&AIML
26.09.2024 to 28.09.2024	Entrepreneurship - IgniteX	Dr. R Sujatha Principal Educator & Head of Training - Wadhwani Entrepreneurship Network Mr Vishal Nair Entrepreneurship Educator - Wadhwani Entrepreneurship Network	Faculties of MBA
24.10.24- 28.10.24	Industrial Applications of Graphical System Design using LabVIEW	Mr. R.Vinoth Kumar, LabVIEW Certified Trainer	Faculties of EIE
10.03.2025 to 15.03.225	Empowering advancements I AI for Education, Healthcare And Finance	Day 1: session :1 Dr. V. Viswanathan Professor – Higher Academic Grade School of Computer Science and Engineering Vellore Institute of Technology, Chennai Vandalur, Chennai, Tamil nadu, India	Faculties of MCA
		Day 2: session :2 Dr. Divyakant Meva Associate Professor Faculty of Computer Applications, Marwadi University, Rajkot.	

		Day 3: session :3 Dr. Dulari Bhatt Master Trainer, EDU NET Foundation, Mumbai.	
		Day 4: session :4 Dr. Monika Mangla Associate Professor, Department of Information Technology, Dwarkadas J Sanghvi College of Engineering, Mumbai.	
		Day 4: session :5 Dr. Afizan Azman Associate Professor Director Impact LabDigital Innovation & Smart Society, School of Computer Science, Taylor's University, Malaysia.	
		Day 5: session :6 Dr. Husna Sarirah Husin, Senior Lecturer, Taylor's University Malaysia.	
		Day 6: session :7 Mr. Ranga Bashyam. G AI/AIOPS Engineer, InfoBell IT Solutions Pvt. Ltd. Bangalore	





*Hindusthan College of Engineering and Technology,
Valley Campus, Pollachi Highway, Coimbatore 641 032.*

www.hicet.ac.in

**CENTRE FOR FACULTY DEVELOPMENT
(CFD)**



HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution)

Valley Campus, Pollachi Highway, COIMBATORE - 641032

www.hicet.ac.in

NEW FACULTY ORIENTATION PROGRAMME

10, 11, 12, 13 & 17TH SEPTEMBER 2024



Dr. KARUNAKARAN K

CEO

Hindusthan Educational Institutions

Dr. JAYA J
Principal
HICET



Dr. MAGUDESWARAN P N

Dean - Academics

HICET



Venue: LIBRARY CONFERENCE HALL



HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY

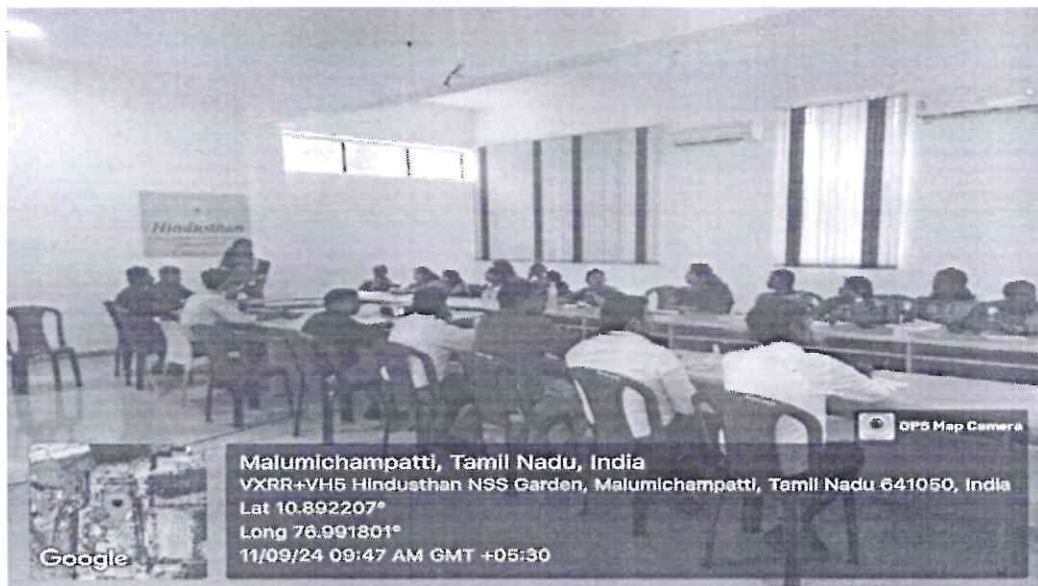
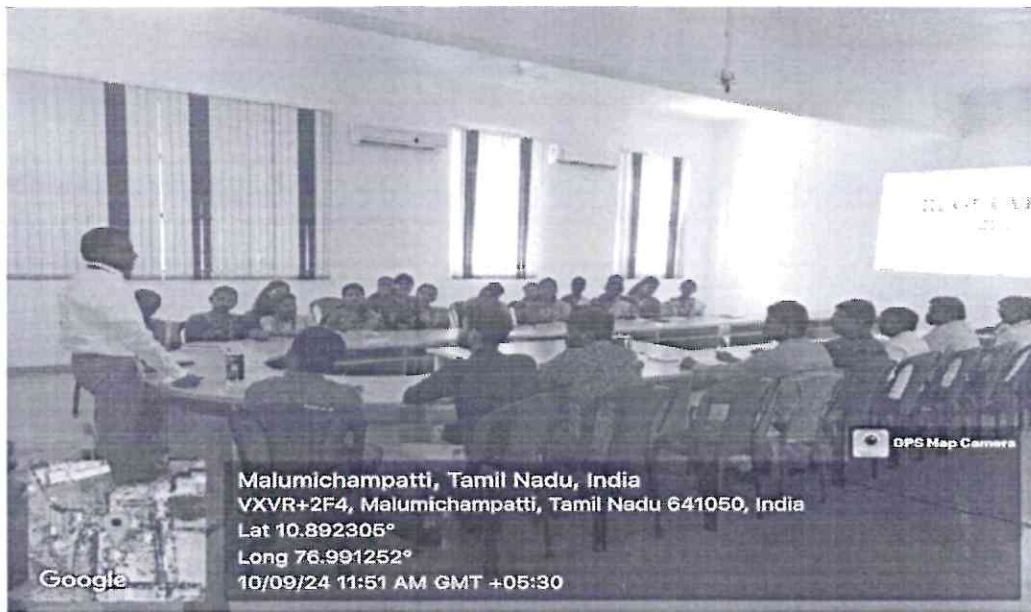
COIMBATORE – 641 032

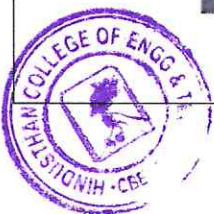
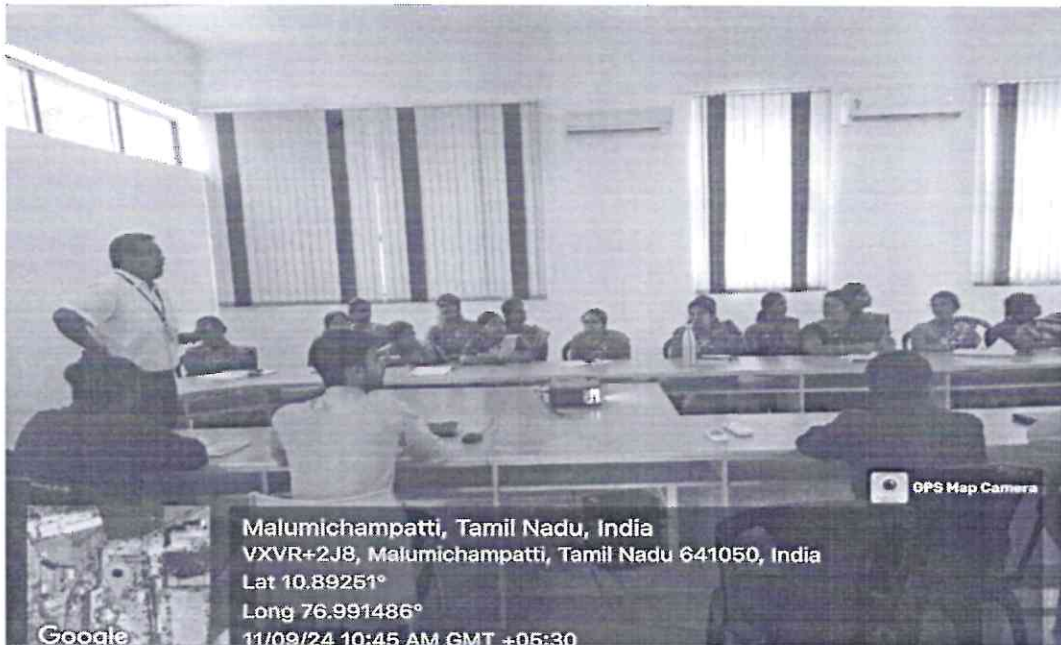
CENTRE FOR FACULTY DEVELOPMENT (CFD)

New Faculty Orientation Programme		
SEP 2024		
Venue: Library Board Room		
Session Details		
Day 1 (10/9/24)		
FN (9:30am to 10:30am)	<ul style="list-style-type: none"> Welcome Address About the Institution 	Dr Jaya J Principal, Hindusthan College of Engineering and Technology.
FN (10:30am to 11:00am)	Introduction of Hindusthan Educational Institutions and Trust	Dr Karunakaran K CEO, Hindusthan Educational Institutions.
FN (11:15am to 12:15pm)	<ul style="list-style-type: none"> Curriculum Design and Development Autonomous Rules 	Dr Magudewaran P N Dean Academics, Hindusthan College of Engineering and Technology.
Day 2 (11/9/24)		
FN (9:30am to 10:30am)	Autonomous Examination Procedures and Policies	Dr Deepa Shri S COE, Hindusthan College of Engineering and Technology.
FN (10:30am to 11:00am)	<ul style="list-style-type: none"> Blooms Taxonomy Lesson Plan Course Information Preparation 	Dr Sabarinathan C Professor & Head, Department of Automobile Engineering, Hindusthan College of Engineering and Technology.
FN (11:15am to 12:15pm)	IIC and ARJIA Ranking	Dr Siva K, Dean - IIS, Professor & Head, Department of Mechanical Engineering, Hindusthan College of Engineering and Technology.
Day 3 (12/9/24)		
FN (9:30am to 10:30am)	Outcome Based Education Framework (NBA)	Dr Vijayalakshmi Professor & Head, Department of Electronics and Communication Engineering, Hindusthan College of Engineering and Technology.
FN (10:30am to 11:00am)	EDC activity, Clubs and Competition	Dr Kammozhi V Assistant Professor, Department of MBA, Hindusthan College of Engineering and Technology.
FN (11:15am to 12:15pm)	IQAC and NAAC Procedures	Dr Anand B Professor & Head, Department of Electronics and Instrumentation Engineering, Hindusthan College of Engineering and Technology.
Day 4 (13/9/24)		
FN (9:30am to 10:30am)	ISO awareness	Dr Saravana Sundaram S Professor & Head, Department of Biomedical Engineering, Hindusthan College of Engineering and Technology.
FN (10:30am to 11:00am)	Socialize the Social Media	Dr Shankar S Professor & Head, Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology. Mr. Deebanchakkarwarthi, AP/CSE
FN (11:15am to 12:15pm)	ICT Tools and E-content Preparation	Dr Jaya Sudha A R, Professor & Head, Department of MCA, Hindusthan College of Engineering and Technology.
Day 5 (17/9/24)		
FN (9:30am to 10:30am)	<ul style="list-style-type: none"> Journal Publications and Funded Projects Incentive schemes in HICET 	Dr. Mohanraj M Professor, Department of Mechanical Engineering, Hindusthan College of Engineering and Technology. Dr. Srikala S, Chief Librarian, Hindusthan College of Engineering and Technology.
FN (10:30am to 11:00am)	Digital access in Library	Mr. Muralidharan A, Software Developer, Hindusthan College of Engineering and Technology.
FN (11:15am to 12:15pm)	E-Campus Entry	Dr Shankar S Professor & Head, Department of Computer Science and Engineering, Hindusthan College of Engineering and Technology.
FN (12:15pm to 1:00pm)	NIRF Ranking	Dr. Akil K, Professor & Head, Department of Civil Engineering, Hindusthan College of Engineering and Technology.
AN (2:00pm to 4:00pm)	Faculty Insight Forum- Pedagogic Techniques for Teaching and Learning Process	Dr. Akil K, Professor & Head, Department of Civil Engineering, Hindusthan College of Engineering and Technology.



**HINDUSTHAN COLLEGE OF ENGINEERING AND
TECHNOLOGY
COIMBATORE – 641 032
CENTRE FOR FACULTY DEVELOPMENT
(CFD)**







Hindusthan College of Engineering and Technology,

Valley Campus, Pollachi Highway, Coimbatore 641 032.

CENTRE FOR FACULTY DEVELOPMENT

Report for Faculty Development Program Organised

Name of the Faculty: Dr. S. Shankar, Mr. B. Bharathi Kannan.	
Department : CSE & AIML	Designation: Professor, Assistant Professor CSE
Name of the Event: <i>Three Days New Faculty Orientation Programme</i>	
Level : College Level	
Venue/Mode : Offline	
No. of Days : 5	Dates: 10, 11, 12, 13 & 17 September 2024
Funded by : NA	
No. of Participants: 29	Registration charges (if any): NIL
Name and Designation of Resource Person(s): Session details and resource person has been attached.	
Outcome: Faculties of various department has attended and gained the additional information of the institution and academic responsibilities.	
Remarks and Feedback on the Event: Feedback has been attached.	
Plan of Implementing in HICET (if any) : NA	
Signature of the Faculty	HOD/ Convener
	Principal

Signature of the CFD COORDINATOR

Dr. A.R. JAYASUDHA

Professor & Head

Department of Computer Applications
Hindusthan College of Engineering & Technology



Principal

PRINCIPAL

Hindusthan College of Engineering & Technology
COIMBATORE - 641 032



Hindusthan College of Engineering and Technology,
Valley Campus, Pollachi Highway, Coimbatore 641 032.
www.hicet.ac.in

**CENTRE FOR FACULTY DEVELOPMENT
(CFD)**



HINDUSTHAN
COLLEGE OF ENGINEERING AND TECHNOLOGY

**Entrepreneurship Development Cell and
Department of Management Sciences**

in association with



**FACULTY
DEVELOPMENT
PROGRAMME**

**on Entrepreneurship -
IGNITEX**



**26 Sep 2024 to 28 Sep 2024
9.30 a.m to 4.30 p.m**

Venue : Marutham Hall, HICET

For details contact:
Dr V Kanimozhi
EDC Coordinator
Associate Professor - MBA
98947 93391

Patrons : Dr J Jaya, Principal

Dr K Karunakaran, CEO





*Hindusthan College of Engineering and Technology,
Valley Campus, Pollachi Highway, Coimbatore 641 032.*

www.hicet.ac.in

**CENTRE FOR FACULTY DEVELOPMENT
(CFD)**



HINDUSTHAN
COLLEGE OF ENGINEERING AND TECHNOLOGY

FDP on Entrepreneurship - IGNITEX
Agenda - Inauguration (26 Sep 2024)

- | | |
|-----------|---|
| 09:30 a.m | Invocation |
| 09:35 a.m | Welcome Address
Dr V Kaarthikeyan
Professor & Head - MBA, HICET |
| 09:40 a.m | Felicitation Address I
Dr P N Magudeswaran
Dean - Academics, HiCET |
| 09:45 a.m | Felicitation Address II
Dr J Jaya - Principal, HiCET |
| 09:50 a.m | Felicitation Address III
Dr K Karunakaran - CEO, HECT |
| 09:55 a.m | Special Address I
Mr. Dayakar Murthy
Director Strategic Partnership - WEN |
| 10:00 a.m | Special Address II
Dr R Sujatha
Principal Educator & Head of Training - WEN |

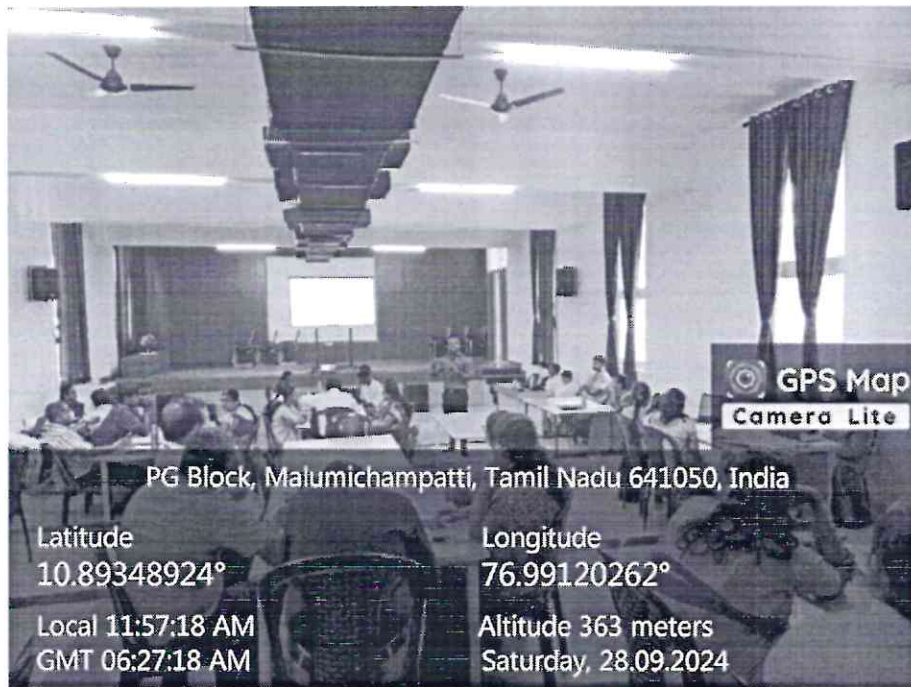


*Hindusthan College of Engineering and Technology,
Valley Campus, Pollachi Highway, Coimbatore 641 032.*

www.hicet.ac.in

**CENTRE FOR FACULTY DEVELOPMENT
(CFD)**





Zoom Workplace Meeting Virtual Nam's screen

Dr. Kanishk V... Arul Selvam P A. Prasanth mba - Dr. K. Pra...

Financial Planning and Analysis - Simulation Case Study - Multiple

	Heads	Type	Amount
FIXED COSTS	Selling Price	Amount	100
	Manufacturing and Shipping Costs (per unit)	Amount	100
	Fixed Costs (Monthly)	Amount	20000
VARIABLE COSTS	Unit of Materials & Shipping	Amount	100
	Direct Labor Costs	Amount	75
	Indirect Labor Costs (Monthly)	Amount	15
FIXED COSTS	Fixed Costs (Monthly)	Amount	20000
	Fixed Costs (Monthly)	Amount	20000
	Fixed Costs (Monthly)	Amount	20000
OTHER COSTS	Marketing & Sales Training	Amount	10000
	Design & Dev	Amount	10000
	Design & Dev	Amount	10000

Revenues vs. Operating Profits

Unit Economics

Participants (40)

Arul Selvam P, A. Prasanth, mba - Dr. K. Pra..., Dr. Kanishk V..., Arul Selvam P, A. Prasanth, mba - Dr. K. Pra...





**Hindusthan College of Engineering and Technology,
Valley Campus, Pollachi Highway, Coimbatore 641 032.
www.hicet.ac.in**

HICET

Name of the Faculty : Dr V Kanimozhi

Department : MBA & EDC

Designation : Associate Professor

Name of the Event : FDP on Entrepreneurship – IgniteX

Level : Institution Level (For Hindusthan Group of Institutions)

Mapping with UN SDGs (Tick the relevant) : No poverty (SDG 1), Zero hunger (SDG 2), Good health and well-being (SDG 3), Quality education (SDG 4), Gender equality (SDG 5), Clean water and sanitation (SDG 6), Affordable and clean energy (SDG 7), Decent work and economic growth (SDG 8), Industry, innovation and infrastructure (SDG 9), Reduced inequalities (SDG 10), Sustainable cities and communities (SDG 11), Responsible consumption and production (SDG 12), Climate action (SDG 13), Life below water (SDG 14), Life on land (SDG 15), Peace, justice, and strong institutions (SDG 16), and Partnerships for the goals (SDG 17).

Mode : Physical and Virtual (Zoom Platform)

Venue : Hindusthan College of Engineering and Technology

No. of Days : 3 days + 4 weeks of online engagement

Dates : 26.09.2024 to 28.09.2024 – Physical mode
4 weeks of online engagement for learning and faculty presentations

Funded by : Management

No. of Participants : 56

Registration charges (if any) : Nil

Name and Designation of Resource Person(s) :

1. Dr. R Sujatha - Principal Educator & Head of Training - Wadhvani Entrepreneurship Network
2. Mr Vishal Nair - Entrepreneurship Educator - Wadhvani Entrepreneurship Network

Outcome :

The FDP enabled the faculty participants to gain better understanding on ways to develop entrepreneurial mindset. The faculty started with idea inception to creation of viable venture for better understanding. Demo ventures and assessments enabled faculty to gain hands-on experience.

16 faculty members were awarded with certificate of completion and 7 faculty members were awarded with provisional certificate of completion.

Remarks and Feedback on the Event :

The FDP was well organised and through faculty demo ventures and activities the FDP was very useful.

Plan of Implementing in HiCET (if any) :

Ignite X Entrepreneurship program will be offered to students.

Signature of the CFD Coordinator

Dr. A.R.JAYASUDHA
Professor & Head

Department of Computer Applications
Hindusthan College of Engineering & Technology

Principal

PRINCIPAL

Hindusthan College Of Engineering & Technolog

COIMBATORE - 641 032





***Hindusthan College of Engineering and Technology,
Valley Campus, Pollachi Highway, Coimbatore 641 032.
www.hicet.ac.in***

**CENTRE FOR FACULTY DEVELOPMENT
(CFD)**



**HINDUSTHAN COLLEGE OF ENGINEERING
AND TECHNOLOGY**

Valley Campus, Pollachi Highway, Coimbatore 641 032.

**Department of Electronics and Instrumentation
Engineering**

Organizes

**Five Days Faculty Development Programme
on**

**"Industrial Applications of Graphical
System Design using LabVIEW"**

Resource Person

R.Vinothkumar

LabVIEW Certified Engineer

**Dr.B.Anand
HOD / EIE**

**Dr.K.Karunakaran
CEO**

**Dr.J.Jaya
Principal**

Date

24.10.2024 to 28.10.2024

Venue

**Computer Lab
EIE Department**





***Hindusthan College of Engineering and Technology,
Valley Campus, Pollachi Highway, Coimbatore 641 032.***

www.hicet.ac.in

**CENTRE FOR FACULTY DEVELOPMENT
(CFD)**

Department of Electronics and Instrumentation Engineering

**Five days Faculty Development Programme on
Industrial Applications of Graphical System Design using
LabVIEW**

24.10.2024 to 28.10.2024

INTRODUCTION TO VIRTUAL INSTRUMENTATION

(1 hr)

- Virtual Instrumentation-Definition and Flexibility
- Block diagram and Architecture for Virtual Instruments versus Traditional Instruments Instrumentation

LABVIEW PROGRAMMING ENVIRONMENT

(10 hrs)

- Setting up and using a LabVIEW Project to:
 - Add, delete, and move elements
 - Use libraries and appropriate types of folders
 - Avoid cross-linking
- Data Types:
 - Recognized data types on the front panel
 - Recognized data types on the block diagram from terminals and wires
 - Choose appropriate controls, indicators, data types, & Functions for a given scenario
- Predicting order-of-execution and behavior of
 - A non-looping VI
 - A Simple State Machine
 - An Event-driven UI Handler
 - Parallel Loops (without queues)
- Using basic functions to create a simple Acquire-Analyze-Visualize application
- Troubleshooting by identifying and correcting the cause of a broken arrow or incorrect data
- Error handling using error clusters and merge error functions to ensure errors are handled well
- Navigating LabVIEW Help to get more information about inputs, outputs, and functions



➤ Loops

- Create continuous HW acquisition or generation loop by applying an Open-Configure-Perform Operation-Close model.
- Retain data in shift registers
- Use input and output terminals effectively, including:
 - Determining the last value output
 - Indexing input and output terminals
 - Concatenating output
 - Using conditional output
 - Using shift registers, both initialized and uninitialized.
- Use timing of loops appropriately, including:
 - Software timing
 - Hardware timing
- Use For Loops and While Loops appropriately

➤ Arrays

- View data from a channel HW acquisition VI (using the DAQmx Read VI) using a waveform graph, waveform chart, or numeric/waveform array indicator.
- Extract a single channel of data (waveform or 1D Array) from
 - 1D waveform array representing acquired data from multiple channels
 - 2D numeric array representing acquired data from multiple channels
 - 1D numeric array representing single measurement from multiple channels
- Use a For Loop with auto-indexing and conditional tunnels to:
 - Iterate through an array
 - Iterate processing code on each channel of data in a 1D waveform array
 - Generate an array of data that meets required conditions
 - Identify by sight and be able to use and predict the behavior of the different array functions

➤ Writing conditional code to perform an action based on the value of a user input or a measurement result.

➤ Reading and Writing data to a file

- Use Open/Act/Close model for file I/O
- Write data to a text file using high-level file I/O functions



- Continuously stream data to a text file or a TDMS file
- Append data to an existing data file
- Log data using simple Vis
- Acquire data from DAQmx functions
- Display data on a graph
- Save data to a CSV file
- Choose single measurement/multiple channels and single channel/multiple measurements configurations appropriately

PROGRAMMING BEST PRACTICES

(9 hrs)

- SubVIs – Reusing Code
 - Create SubVIs to increase readability and scalability of VIs
 - Configure the subVI connector pane using best practices
 - Choose appropriate code as a SubVI source
- Clusters – Grouping Data of Mixed Data Types
 - Create, manipulate, analyze, and use cluster data in common scenarios
 - Group related data by creating a cluster to improve data organization and VI readability
- TypeDefs – Propagate Data Type Changes
 - Create TypeDefs and use TypeDefs in multiple places
 - Update TypeDef to propagate changes to all instances of the TypeDef

HARDWARE

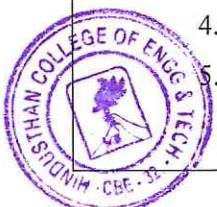
(10 hrs)

- Introduction to DAQmx
 - NI myDAQ- Data Acquisition and Signal Conditioning basics, analyzing the characteristics of circuits and electronic components
 - NI myRIO- Data Acquisition basics, Measurement of Displacement and temperature, motor control, motion control.
 - NI Multisim- Electronics schematic capture and simulation program
 - Related hardware modules

TOTAL (40 hrs)

COURSE OUTCOME:

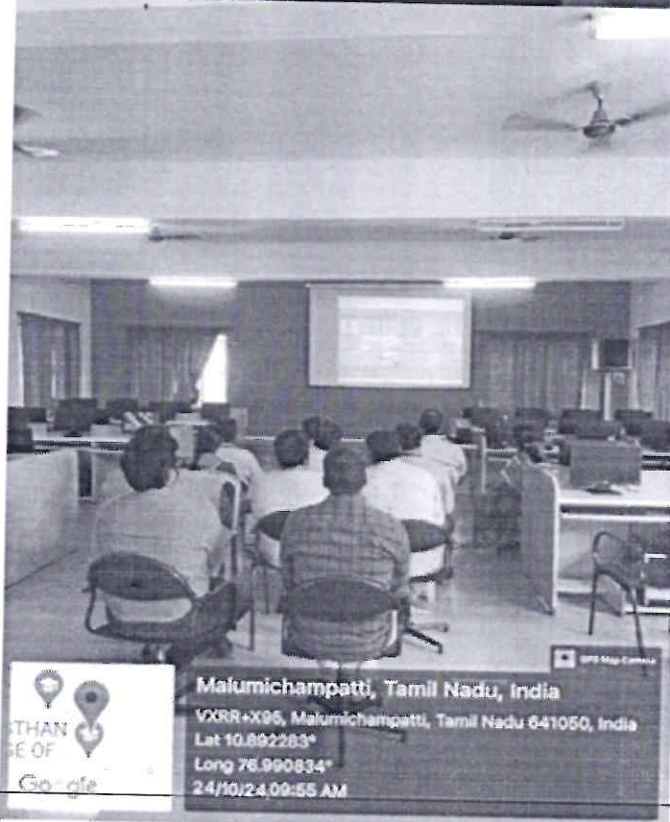
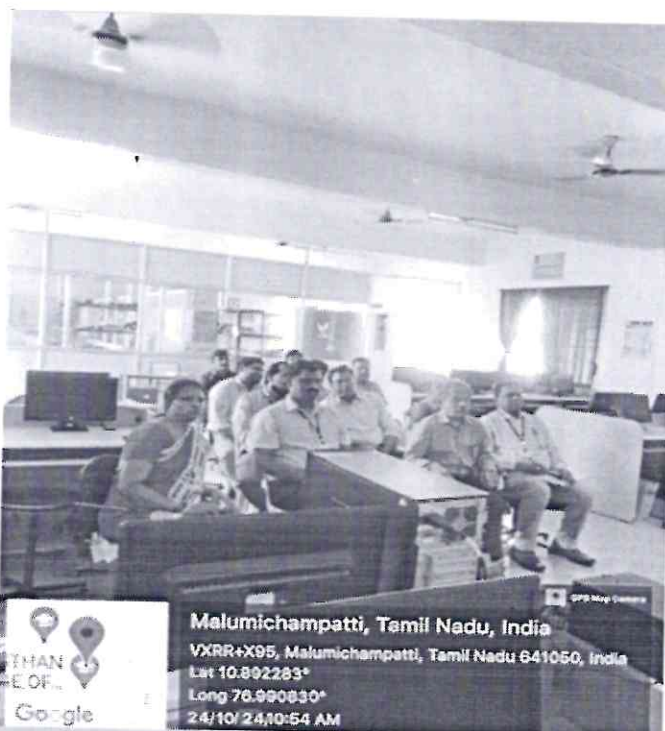
1. Understand the basics of Virtual Instruments.
2. Interpret the LabVIEW programming environment.
3. Introduce the programming fundamentals.
4. Infer the best practices in programming environment.
5. Understand and Interpret the LabVIEW programming environment with the DAQ devices





***Hindusthan College of Engineering and Technology,
Valley Campus, Pollachi Highway, Coimbatore 641 032.
www.hicet.ac.in***

CENTRE FOR FACULTY DEVELOPMENT (CFD)



CENTRE FOR FACULTY DEVELOPMENT
(CFD)

Report for FDP- Industrial Applications of Graphical System Design using LabVIEW – Organized

Name of the Faculty : D.Vijayanandh & M.Sudagar	
Department : EIE	Designation : Assistant Professor
Name of the Event : Faculty Development Programme on “ Industrial Applications of Graphical System Design using LabVIEW ”	
Level : Institute Level	
Venue / Mode: Ganga Hall / Offline	
No. of Days : 05	Dates : 24.11.2024 to 28.11.2024
Funded by : Management	
No. of Participants : 16	Registration charges (if any) : Nil
Name and Designation of Resource Person(s) : 1. Mr. R.Vinoth Kumar, LabVIEW Certified Trainer	
Outcome: Around 16 participants were participated in the FDP. The resource persons is academican and handled the sessions interestingly with more interactions. Their colourful presentation with knowledgeable sessions made a very interesting note. All the participants had more takeaways out of the session which was evident from their feedbacks.	
Remarks and Feedback on the Event: Excellent	
Plan of Implementing in HiCET (if any) :	
Signature of the Faculty	HoD
Principal Hindusthan College Of Engineering & Technology COIMBATORE - 641 032	

Signature of the CFD CORDINATOR
Dr. A.R.JAYASUDHA
Professor & Head
Department of Computer Applications



Principal
Hindusthan College Of Engineering & Technology
COIMBATORE - 641 032

**CENTRE FOR FACULTY DEVELOPMENT
(CFD)**



Hindusthan
College of Engineering and Technology
(An Autonomous Institution)



Department of Computer Applications (MCA)
(NBA Accredited Under Tier I Category)
organizes

**SIX DAYS INTERNATIONAL FACULTY DEVELOPMENT PROGRAM ON
"EMPOWERING ADVANCEMENT IN AI FOR EDUCATION,
HEALTHCARE AND FINANCE"**

Resource Persons & Session Topics



Dr Viswanathan V

Professor, School of Computer
Science and Engineering,
Vellore Institute of Technology (VIT) Chennai

Session-1

The Role of Explainable AI (XAI)
10.03.2025 (Monday)



Dr Afizan Azman

Associate Professor, School of Computer
Science, Taylor's University,
Malaysia

Session-5

AI IN INTERDISCIPLINARY RESEARCH
13.03.2025 (Thursday)



Dr Divyakant Meva

Associate Professor,
Faculty of Computer Applications
Marwadi University, Rajkot

Session-2

AI IN HEALTHCARE
11.03.2025 (Tuesday)



Dr Husna Sarirah Husin

Senior Lecturer,
Taylor's University,
Malaysia

Session-6

AI AND IMAGE PROCESSING IN AGRI
14.03.2025 (Friday)



Dr Dulari Bhatt

Master Trainer,
EDU NET Foundation,
Mumbai

Session-3

AI IN EDUCATION
12.03.2025 (Wednesday)



Mr Ranga Bashyam G

AI/ML/OPS Engineer,
Infobell IT Solutions Pvt.Ltd
Bangalore

Session-7

The Role of AI IN SHAPING THE FUTURE
15.03.2025 (Saturday)



Dr Monika Mangala

Associate Professor,
Department Information Technology,
Dwarkadas J. Sanghvi College of Engineering,
Mumbai

Session-4

AI IN FINANCE
13.03.2025 (Thursday)

10.03.2025 to 15.03.2025 Morning 10.00 AM to 12.00 PM

mca@hicet.ac.in <https://chat.whatsapp.com/T0dEenRnTeoR2pYnK7A>

Dr K Vigneshkumar 99409 02343 | Prof.S.PradeepKumar 96984 70554 | Prof.K.Vinotha 97513 31110

(For Registration)

<https://forms.gle/WDfsnWTKUH21w3Zt8>

(Join the Session)

Google Meet link:

Valley Campus Pollachi Highway
Coimbatore - 641 032

+91 80983 33333
+91 90470 10006

info@hindusthan.net
hicet.ac.in



CENTRE FOR FACULTY DEVELOPMENT
(CFD)

Hindusthan **nirf** **NBA** **AACSB** **ISO**

Department of Computer Applications (MCA)
(UQA Accredited Under Tier I Category)
organizes

SIX DAYS INTERNATIONAL FACULTY DEVELOPMENT PROGRAM ON
"EMPOWERING ADVANCEMENT IN AI FOR EDUCATION, HEALTHCARE AND FINANCE"
Resource Person

Dr. Viswanathan V
Professor, School of Computer Science and Engineering
Vellore Institute of Technology (VIT) Chennai

Date: 10.08.2024 to 15.08.2024 | Time: 10:00 am to 12:00 pm | Virtual mode

COORDINATORS Dr. K. Srinivasan Prof. P. Srinivasan Department of Computer Applications	CONVENOR Dr. A. Srinivasan Professor of IT Department of Computer Applications	PATRON Dr. J. Srinivasan Principal HICET
--	--	--

Valley Campus, Pollachi Highway
Coimbatore - 641 032 | +91 9882 33333 | +91 9875 10000 | info@hindusthan.ac.in | hicet.ac.in

Hindusthan **nirf** **NBA** **AACSB** **ISO**

Department of Computer Applications (MCA)
(UQA Accredited Under Tier I Category)
organizes

SIX DAYS INTERNATIONAL FACULTY DEVELOPMENT PROGRAM ON
"EMPOWERING ADVANCEMENT IN AI FOR EDUCATION, HEALTHCARE AND FINANCE"
Resource Person

Dr. Divyanshu Mehta
Associate Professor, Faculty of Computer Applications, Amity University, India

Day - 2
Date: 11.08.2024 | Time: 10:00 am to 12:00 pm | Virtual mode

COORDINATORS Dr. K. Srinivasan Prof. P. Srinivasan Department of Computer Applications	CONVENOR Dr. A. Srinivasan Professor of IT Department of Computer Applications	PATRON Dr. J. Srinivasan Principal HICET
--	--	--

Valley Campus, Pollachi Highway
Coimbatore - 641 032 | +91 9882 33333 | +91 9875 10000 | info@hindusthan.ac.in | hicet.ac.in

Hindusthan **nirf** **NBA** **AACSB** **ISO**

Department of Computer Applications (MCA)
(UQA Accredited Under Tier I Category)
organizes

SIX DAYS INTERNATIONAL FACULTY DEVELOPMENT PROGRAM ON
"EMPOWERING ADVANCEMENT IN AI FOR EDUCATION, HEALTHCARE AND FINANCE"
Resource Person

Dr. Sakshi Mittal
Senior Teacher, ESDU NET Foundation, Mumbai

Day - 3
Date: 12.08.2024 | Time: 10:00 am to 12:00 pm | Virtual mode

COORDINATORS Dr. K. Srinivasan Prof. P. Srinivasan Department of Computer Applications	CONVENOR Dr. A. Srinivasan Professor of IT Department of Computer Applications	PATRON Dr. J. Srinivasan Principal HICET
--	--	--

Valley Campus, Pollachi Highway
Coimbatore - 641 032 | +91 9882 33333 | +91 9875 10000 | info@hindusthan.ac.in | hicet.ac.in

Hindusthan **nirf** **NBA** **AACSB** **ISO**

Department of Computer Applications (MCA)
(UQA Accredited Under Tier I Category)
organizes

SIX DAYS INTERNATIONAL FACULTY DEVELOPMENT PROGRAM ON
"EMPOWERING ADVANCEMENT IN AI FOR EDUCATION, HEALTHCARE AND FINANCE"
Resource Person

Dr. Hassan Sharifah Husin
Senior Lecturer, Taylor's University, Malaysia

Day - 4
Date: 14.08.2024 | Time: 10:00 am to 12:00 pm | Session-4 Virtual mode

COORDINATORS Dr. K. Srinivasan Prof. P. Srinivasan Department of Computer Applications	CONVENOR Dr. A. Srinivasan Professor of IT Department of Computer Applications	PATRON Dr. J. Srinivasan Principal HICET
--	--	--

Valley Campus, Pollachi Highway
Coimbatore - 641 032 | +91 9882 33333 | +91 9875 10000 | info@hindusthan.ac.in | hicet.ac.in

Hindusthan **nirf** **NBA** **AACSB** **ISO**

Department of Computer Applications (MCA)
(UQA Accredited Under Tier I Category)
organizes

SIX DAYS INTERNATIONAL FACULTY DEVELOPMENT PROGRAM ON
"EMPOWERING ADVANCEMENT IN AI FOR EDUCATION, HEALTHCARE AND FINANCE"
Resource Person

Dr. Monika Monghe
Associate Professor, Department of Information Technology, Bharati Vastu Education Society's College of Engineering, Mumbai

Day - 5
Date: 15.08.2024 | Time: 10:00 am to 12:00 pm | Session-5 Virtual mode

COORDINATORS Dr. K. Srinivasan Prof. P. Srinivasan Department of Computer Applications	CONVENOR Dr. A. Srinivasan Professor of IT Department of Computer Applications	PATRON Dr. J. Srinivasan Principal HICET
--	--	--

Valley Campus, Pollachi Highway
Coimbatore - 641 032 | +91 9882 33333 | +91 9875 10000 | info@hindusthan.ac.in | hicet.ac.in

Hindusthan **nirf** **NBA** **AACSB** **ISO**

Department of Computer Applications (MCA)
(UQA Accredited Under Tier I Category)
organizes

SIX DAYS INTERNATIONAL FACULTY DEVELOPMENT PROGRAM ON
"EMPOWERING ADVANCEMENT IN AI FOR EDUCATION, HEALTHCARE AND FINANCE"
Resource Person

Mr. Ranga Bhaskar
Associate Professor, JSS Institute of Technology, Bangalore

Day - 6
Date: 16.08.2024 | Time: 10:00 am to 12:00 pm | Session-6 Virtual mode

COORDINATORS Dr. K. Srinivasan Prof. P. Srinivasan Department of Computer Applications	CONVENOR Dr. A. Srinivasan Professor of IT Department of Computer Applications	PATRON Dr. J. Srinivasan Principal HICET
--	--	--

Valley Campus, Pollachi Highway
Coimbatore - 641 032 | +91 9882 33333 | +91 9875 10000 | info@hindusthan.ac.in | hicet.ac.in

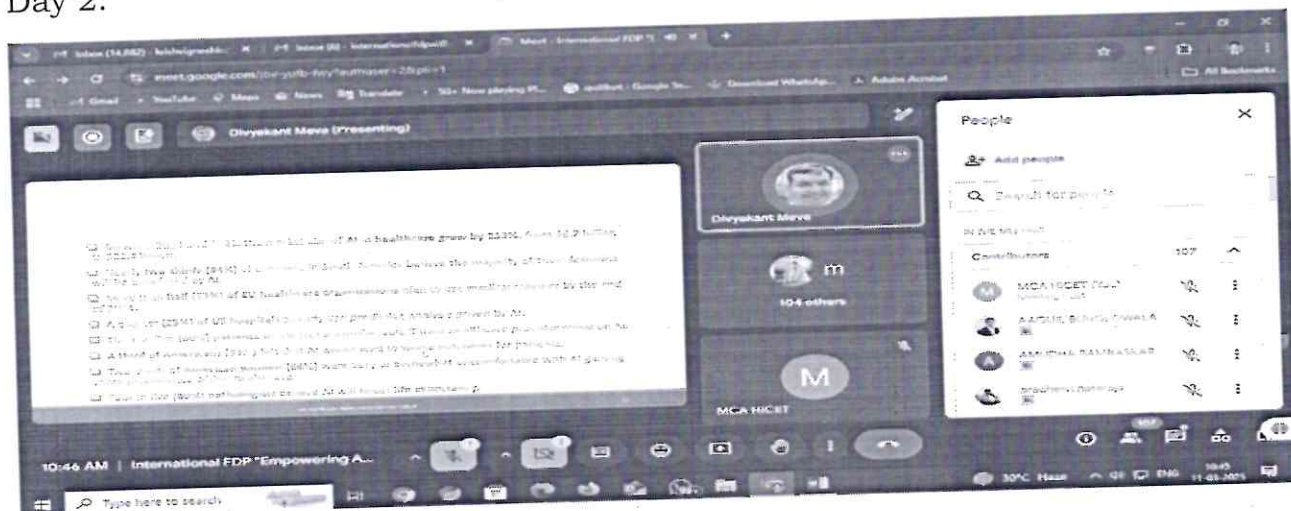
CENTRE FOR FACULTY DEVELOPMENT (CFD)

DAY 1:

The image displays two screenshots of a Google Meet session. The top screenshot shows a presentation slide titled "AI is already making decisions for us" with a sub-point "Facebook AI algorithm decides which post we must see" and an image of a laptop and smartphone. The bottom screenshot shows a similar slide with a diagram of a neural network and the text "Right now your prediction is 90% stroke". Both screenshots show a meeting interface with a "People" list on the right and a Windows taskbar at the bottom.

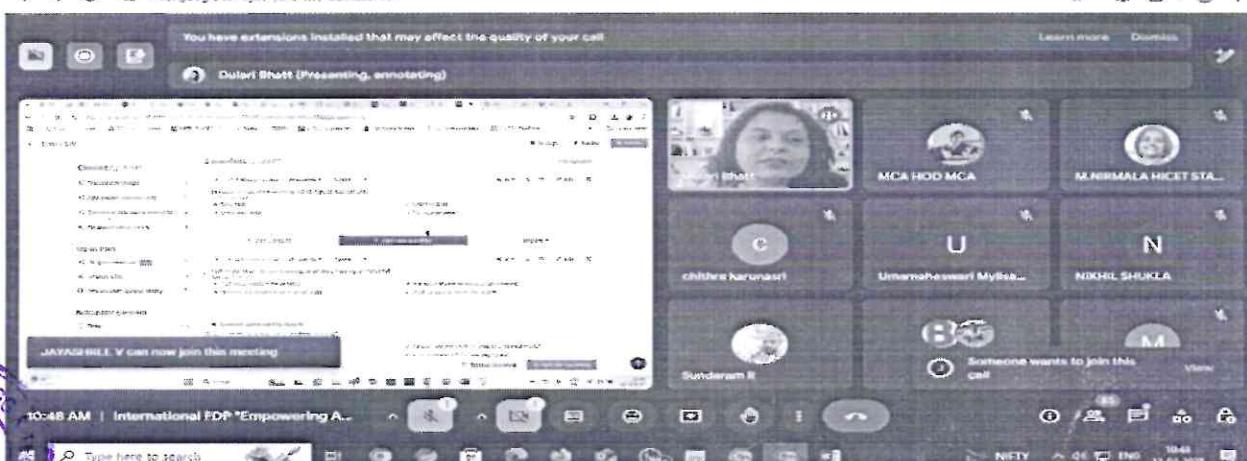
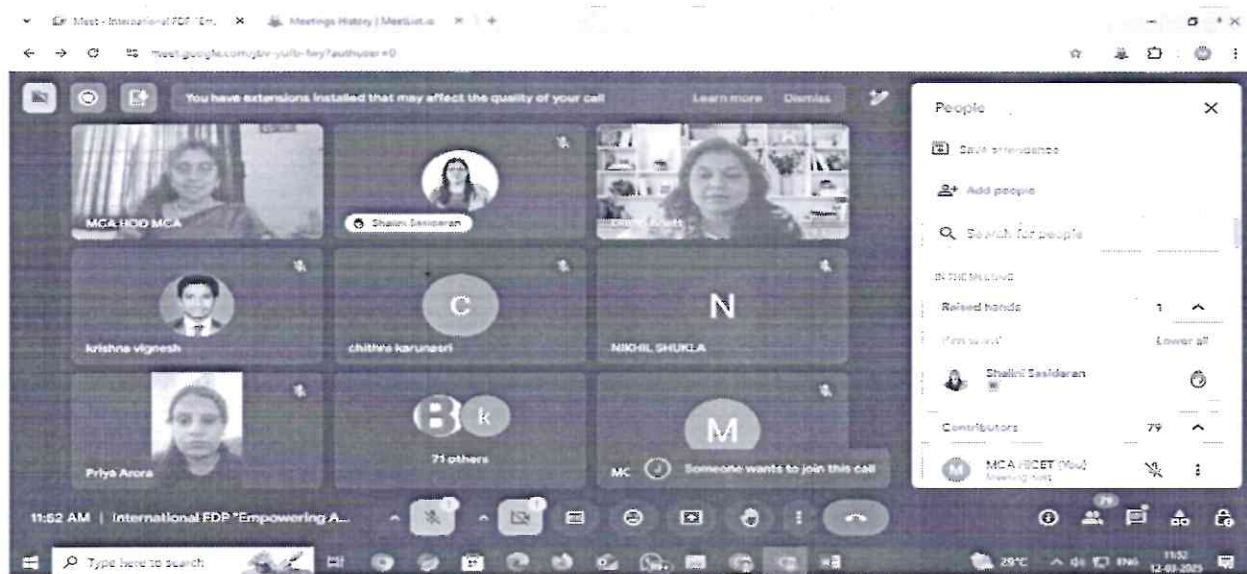
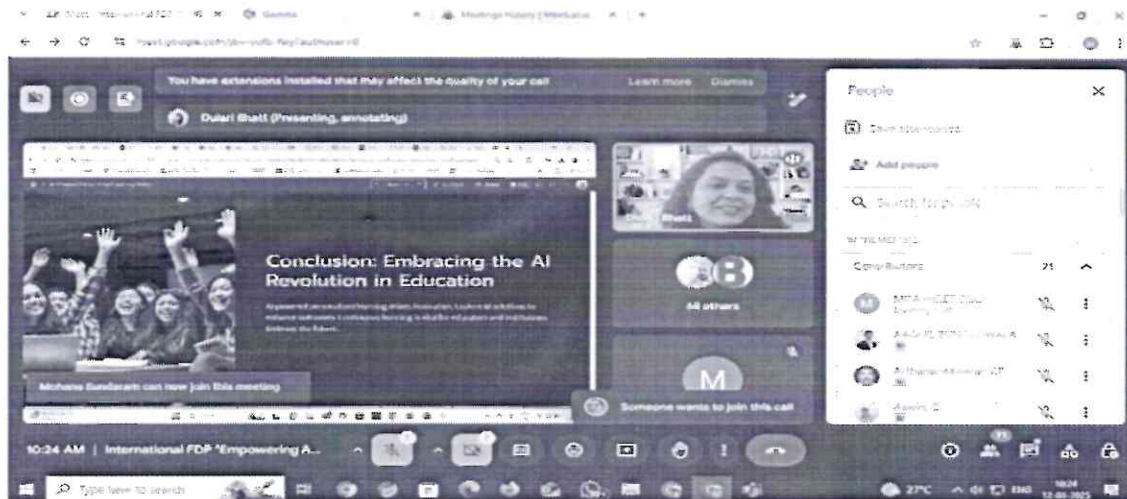
CENTRE FOR FACULTY DEVELOPMENT (CFD)

Day 2:



CENTRE FOR FACULTY DEVELOPMENT (CFD)

Day 3:



CENTRE FOR FACULTY DEVELOPMENT (CFD)

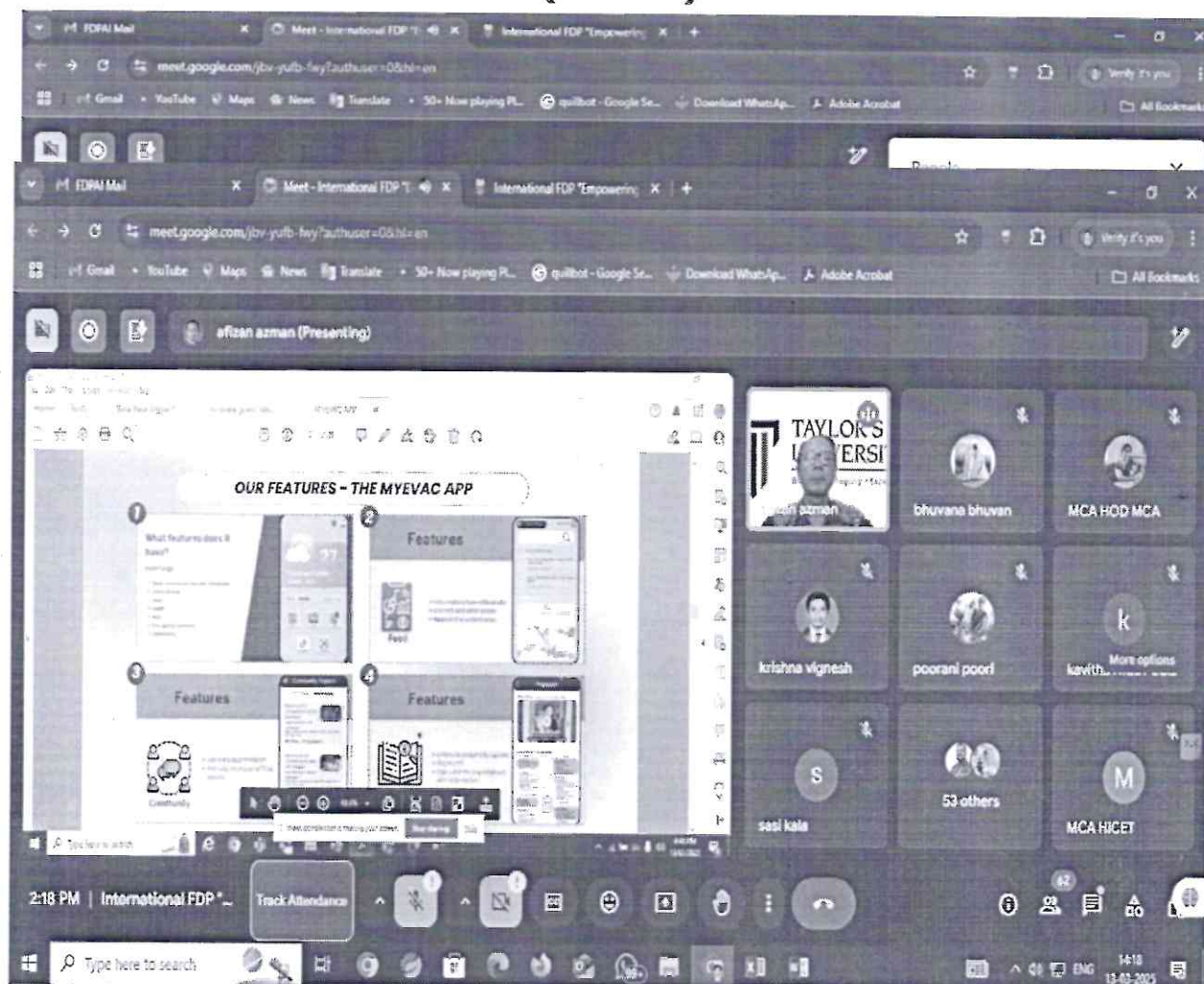
Day 4:

The top screenshot shows a Google Meet interface with a presentation slide titled "Major areas/fields of AI". The slide lists the following topics:

- Machine Learning - how computer agents can improve their perception, knowledge, thinking, or actions based on experience or data
- Robotics - puts artificial intelligence into practice using machines that perceive and interact with the physical world
- Computer vision - can understand images and video
- Natural language processing - understand written and spoken language; automatic translation of text from one language to another, or understanding text to produce knowledge about the world.
- Expert Systems - learns and imitates a human being's decision-making

The bottom screenshot shows a Google Meet grid view with participants including: Taylor's University, bhuvana bhuvan, MCA HOD MCA, Krishna vignesh, poornani poorn, k, s, 54 others, and MCA HICET. The meeting title is "International FDP".

**CENTRE FOR FACULTY DEVELOPMENT
(CFD)**



CENTRE FOR FACULTY DEVELOPMENT (CFD)

Day 5:

The screenshot shows a Google Meet interface. The main window displays a presentation slide titled "Techniques in Image Processing: Preprocessing". The slide content includes:

- The step typically involves techniques like image reduction, image enhancement and image restoration.
- Filters are the main filter are used to generate image. While the Gaussian filter smooths the image and the Wiener filter restores degraded images.
- These techniques improve the clarity and quality of the images.

The presentation is being shared by Husna Sarinah Husin. The right sidebar shows a list of participants, including MCA HOD MCA, MCA HICET, and others. The bottom status bar indicates the time is 10:16 AM and the date is 14.03.2023.

The screenshot shows a Google Meet interface. The main window displays a presentation slide titled "Challenges in Image Classification: Model Complexity and Generalization". The slide content includes:

- Complex models can struggle with new data because they are often overfit.
- Overfitting occurs when the machine learning model learns training data too closely.

The presentation is being shared by Husna Sarinah Husin. The right sidebar shows a list of participants, including MCA HICET (You), MCA HOD MCA, and others. The bottom status bar indicates the time is 10:31 AM and the date is 14.03.2023.

CENTRE FOR FACULTY DEVELOPMENT (CFD)

Day 6:

Browser tabs: Inbox (2,142) - mca@hicet... Meet - jbv-yufb-fwy Google Forms FDP Feed back form - 13.0... Copy of FDP Feed back for...

Address bar: meet.google.com/jbv-yufb-fwy?authuser=0

Meeting controls: ranga bashyam (Presenting, annotating)

Integration with Work & Business

The Rise of Smart Machines

- **Automation & Workforce Transformation**
AI automates repetitive tasks, freeing up human workers for creative and strategic roles.
Example: AI-powered chatbots in customer support, robotic process automation (RPA) in banking.
- **AI & Human Collaboration in Creative Fields**
AI tools like ChatGPT and DALL-E assist writers, designers, and musicians.
Example: AI helps generate marketing content, but human creativity refines it.
- **AI-Augmented Decision Making**
AI helps businesses analyze large datasets and make data-driven decisions faster.
Example: AI in finance predicts market trends and suggests investments.

Participants visible in the meeting:

- ranga bashyam
- SANGEETHA S HICE...
- MINIRMALA HICET S...
- Nithya V
- farzana john
- MCA HICET
- arachehvi nataraja
- 43 others
- mca HICET MCA STA...

10:35 | jbv-yufb-fwy

Windows taskbar: Type here to search, 10:35 AM 3/15/2025

Meeting controls: jbv-yufb-fwy

Participants visible in the meeting:

- ranga bashyam
- vinodha
- PRADDEEP KUM...
- MCA HICET
- SANGEETHA S...
- Nithya V
- farzana john
- arachehvi natar...
- PATRICIA NAN...
- SENTHILKUMA...
- Shalini Sasidar...
- Priya Arora
- Rohita Harsha
- poorani poori
- tamilselvi taml...
- Archanaricew...
- Komila M
- BINI
- sudha jayach...
- bhuvora bhuvan
- Dr.S.Muthuma...
- SANTHINI THIV...
- 11 others
- MINIRMALA H...

10:08 | jbv-yufb-fwy



CENTRE FOR FACULTY DEVELOPMENT
(CFD)

Report for EMPOWERING ADVANCEMENTS IN AI FOR EDUCATION, HEALTHCARE AND FINANCE

Name of the Faculty : Dr.K.Vigneshkumars, Prof. S.Pradeepkumar and prof. K. Vinotha	
Department : MCA	Designation Assistant Professor(s)
Nature of the Event: Awareness Programme on FDP	
Category: College Level International	
Title : "EMPOWERING ADVANCEMENTS IN AI FOR EDUCATION, HEALTHCARE AND FINANCE"	
Venue : Hindusthan College of Engineering & Technology – Virtual Mode	
Meet Link : https://meet.google.com/jbv-yufb-fwy	
Feedback Link : https://docs.google.com/forms/u/1/d/e/1FAIpQLScwPWRsqimalkiFbgffkjdgghfLlvxQUMXSvQv8JQ8CqUsiLrw/formResponse?pli=1	
No. of Days : 6 Days 7 Sessions	Dates : 10.03.2025 to 15.03.225
Funded by : NIL	
No. of Participants : 250+	Registration charges (if any) : NIL
Name and Designation of Resource Person(s) : Day 1: session :1 Dr. V. Viswanathan Professor – Higher Academic Grade School of Computer Science and Engineering Vellore Institute of Technology, Chennai Vandalur, Chennai, Tamil nadu, India Day 2: session :2 Dr. Divyakant Meva Associate Professor Faculty of Computer Applications, Marwadi University, Rajkot. Day 3: session :3 Dr. Dulari Bhatt Master Trainer, EDU NET Foundation, Mumbai. Day 4: session :4 Dr. Monika Mangla Associate Professor, Department of Information Technology, Dwarkadas J Sanghvi College of Engineering, Mumbai. Day 4: session :5	



Dr. Afizan Azman

Associate Professor

Director Impact Lab Digital Innovation & Smart Society,
School of Computer Science, Taylor's University, Malaysia.

Day 5: session :6**Dr. Husna Sarirah Husin,**

Senior Lecturer, Taylor's University Malaysia.

Day 6: session :7**Mr. Ranga Bashyam. G**

AI/AIOPS Engineer,

InfoBell IT Solutions Pvt. Ltd. Bangalore.

Outcomes of the Event :

The six-day international faculty development program (FDP) successfully provided an in-depth understanding of AI advancements in education, healthcare, and finance.

Knowledge & Skill Development: Participants gained expertise in machine learning, deep learning, and AI applications. Hands-on sessions helped implement AI models, bridging the gap between theory and practice.

AI in Education: Faculty explored AI-driven personalized learning, adaptive education, automated assessments, and ethical AI practices to enhance student engagement and learning outcomes.

AI in Healthcare: Experts discussed AI in diagnostics, predictive analytics, robotic surgery, and remote monitoring. Ethical concerns and data privacy in AI-based healthcare solutions were key focus areas.

AI in Finance: The FDP highlighted AI applications in fraud detection, risk management, algorithmic trading, and AI-powered financial advisory services while addressing regulatory and ethical challenges.

Collaborative Research & Networking: The event fostered interdisciplinary collaborations, paving the way for joint research, funding opportunities, and AI-driven projects. Faculty members engaged with global experts, enhancing academic and industry linkages.

Ethical AI & Policy Discussions: Participants explored AI ethics, bias mitigation, and responsible AI integration within regulatory frameworks, encouraging AI literacy and ethical implementation.

Future Roadmap: The FDP emphasized AI adoption strategies in institutions, curriculum development, and solutions for large-scale AI deployment.

The program empowered faculty to drive AI innovations in their fields, strengthening education, healthcare, and finance for a smarter, AI-enabled future.

Remarks and Feedback on the Event:**Remarks:**

The six-day international FDP on *Empowering Advancements in AI for Education, Healthcare, and Finance* was a highly enriching and insightful event. It successfully brought together distinguished AI experts, academicians, and industry professionals to explore AI-driven advancements in these critical sectors. The interactive sessions, hands-on workshops, and panel discussions provided participants with valuable knowledge and practical skills, enabling them to integrate AI technologies into their respective fields. The event fostered meaningful discussions on AI ethics, policy considerations, and research collaborations, ensuring a holistic understanding of AI's impact.

Feedback from Participants:

1. **Highly Informative Sessions:** Participants appreciated the comprehensive coverage of AI concepts,



real-world applications, and hands-on training. The practical demonstrations enhanced their understanding.

2. **Engaging and Interactive:** The event was well-structured, with interactive discussions, Q&A sessions, and expert panel engagements, making learning more dynamic and engaging.
3. **Expert Speakers and Industry Insights:** The FDP featured leading AI professionals, offering cutting-edge insights and case studies that connected academic knowledge with industry trends.
4. **Well-Organized and Structured:** Faculty members praised the seamless organization, timely session execution, and the clarity of presentations.
5. **Scope for Future Collaboration:** Many attendees expressed interest in future collaborations, research projects, and AI-driven initiatives, indicating the program's success in fostering an AI research network.

Overall, the FDP was a resounding success, equipping faculty with the necessary AI knowledge and skills to drive innovation in education, healthcare, and finance.

Plan of Implementing in HiCET (if any) : NIL

Signature of the CFD CORDINATOR

Dr. A.R.JAYASUDHA
Professor & Head
Department of Computer Applications
Hindusthan College of Engineering & Technology



Principal

PRINCIPAL

Hindusthan College Of Engineering & Technolog
COIMBATORE - 641 032