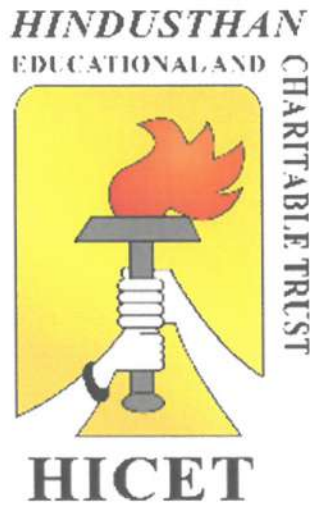


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CENTRE FOR FACULTY DEVELOPMENT
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**CENTRE FOR FACULTY DEVELOPMENT
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Faculty Development Programme

Schedule of Events (2020 - 2021)

Date	Topic / Session	Resource Person	Participants
29.06.2020 to 01.07.2020	Three Days FDP on “Advanced e-Learning in Structural Engineering Design Concepts”	Mr A Parthiban MBA(HR) Registered Structural Engineer (DTCP) Vellore Dr M Arun Associate Professor PSG Institute of Technology and Applied Research	Faculties of Civil Department
06.07.2020 -08.07.2020	Autonomous Vehicle Technology in Digital Era	Dr AnandNayyar Graduate School Duy Tan University, Vietnam Shruti Subramanian System Engineer AIRBUS – Germany GokulSidarth Phd Researcher Swinburne University Australia	All Faculty Members
06-07-2020 - 11-07- 2020	Six Days FDP on Nanomaterial Synthesis, Characterization and its Functional Applications	Dr Mrinal Pal Senior Scientist Functional Materials & Devices Division, CSIR – Central Glass & Ceramics Research Institute, Kolkata	Faculties of Automobile Department
14/07/2020 - 17/07/2020	Four Days Faculty Development Programme on “ Solar Energy Applications”	Dr KamaruzzamanSopian Professor Directors of Solar Energy Research Institute UniversitiKebangsaan Malaysia	Faculties of Mechanical Engineering
22.07.2020 - 26.07.2020	FDP on Research Opportunities in Advanced Welding Process.	DR V P Raghupathy Former DGM, Welding Research Institute.	Faculties of Non Circuit Branches



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		Scientist, National Aerospace Laboratory Bangalore.	
27-07-2020 - 01-08-2020	Six Days FDP on Planning and Approaches for NIRF & Best Practices in Engineering College	Dr A M Natarajan Chief Executive KPR Institute of Engineering and Technology, Coimbatore Dr Vimala Rosaline Principal (Retd) Government College of Engineering Salem	All Faculties
05.08.2020 & 06.08.2020	Enabling teachers for Digital Classroom through ICT Tools	Dr A R Jayasudha Professor Department of Computer Applications, Hindusthan college of Engineering and Technology, Coimbatore.	All Faculty Members of Hindusthan Institutions
02.09.2020- 04.09.2020	Workshop on MATLAB	Dr K M Roopa, Professor and Head, Department of Mathematics, Bangalore Institute of Technology	All Faculties
07-09-2020 - 10-09-2020	Four days FDP on Effective Research – Tools, Funding and IPR	Dr G Geetha, Women Scientist Trainee, Technology Information Forecasting and Assessment Council (TIFAC), Chennai	All Faculties
07-09-2020 to 12-09-2020	Predictive Analysis and Machine Learning Using R Programming and KNMIE (Phase I)	Dr Gowtham Ramesh Assistant Professor Department of Computer Science Engineering Amrita School of Engineering Coimbatore.	All Faculties
05.10.2020 to 11.10.2020	International Virtual FDP on “Sustainable Development and Research Opportunities in Food and Chemical Engineering”,	Dr Balakrishnan M, Associate Professor, Department of Food Process Engineering, Agricultural Engineering college and Research Institute, TNAU Coimbatore	Faculties of Chemical Engineering
Slot III: 30.11.2020 to 05.12.2020	AICTE Sponsored STTP on "Potential And Challenges For Integrating 5G Networks And Iot Applications In Smart City Environment"	Dr.SamarShailendra Scientist/TCS Networks Lab	Faculties of Electronics and Communication Engineering

		Visiting Faculty in International Institute of Information Technology Bangalore Bengaluru	
16/02/2021 - 20/02/2021	AICTE-ATAL Sponsored Five Days Faculty Development Program on "Additive Manufacturing	Dr Somnath Chattopadhyaya Associate Professor Department of Mechanical Engineering Indian Institute of Technology, Jharkhand.	Faculties of Mechanical Engineering
22.03.2021 - 27.03.2021	STTP on HVAC Systems- Types, Design, Energy conservation Measures and Applications	Mr C Senthil Raj, President, ISHRAE Coimbatore Chapter, spoke on Heating, Ventilation and Air Conditioning System	Faculties of Mechanical Engineering
03.05.2021 - 08.05.2021	Six days STTP on innovative tools for mathematics	Dr B Rushi Kumar, Associate Professor, Department of Mathematics, School of Advanced Sciences, VIT, Vellore	Faculties of Department of Mathematics
03.05.2021 - 08.05.2021	STTP on IoT based Automation using Machine Learning	Mr Gowtham Ramesh, Senior Assistant Professor, Amrita School of Engineering, Coimbatore	Faculties of CSE & IT
19.05.2021	Business Model Canvas — At a glance	Ms GulshanTaj MNA, Associate Professor, Sona College of Technology, Salem	Faculties of Department of Management



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**Report for FDP on Advanced e-Learning in Structural Engineering Design Concepts
 organized / participated**

Name of the Faculty : Dr R Sakthivel	
Department : Civil Engineering	Designation : Assistant Professor
Name of the Event : Advanced e-Learning in Structural Engineering Design Concepts	
Level : International / National / State / Regional / Industry / University / College Level	
Venue / Mode : Department of Civil Engineering / Online Mode	
No. of Days : 03	Dates : 29.06.2020 to 01.07.2020
Funded by : --- UGC / CSIR / DST / DSIR / INSIST / ICSSR / NCERT / INSA / Management etc	
No. of Participants : 225	Registration charges (if any) :
Name and Designation of Resource Person(s) :	
Dr M Arun, Associate Professor, PSG Institute of Applied Research, Neelambur, Coimbatore.	
Mr A Parthiban, MBA (HR), Registered Structural Engineer, DTCP, Vellore.	
Mr Sreerag Raveendran, Sr. Structural Engineer, Clostre Designs & Build, Kozhikode.	
Outcome : Participants gained knowledge on Design Principle and RC Hollow Beam Section.	
Remarks and Feedback on the Event : Participants felt that the content were easily understandable and was interactive.	
<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  CFD Coordinator </div> <div style="text-align: center;">  Principal </div> </div>	

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



Principal
 Hindusthan College of Engineering & Technology
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DEPARTMENT OF CIVIL ENGINEERING
 Organises

THREE DAYS NATIONAL LEVEL ONLINE FACULTY DEVELOPMENT PROGRAM
ADVANCED E - LEARNING IN STRUCTURAL ENGINEERING DESIGN CONCEPTS



From 29th June 2020 to 1st July 2020 (10:30 A.M. to 11:30 A.M.)

 <p>Reinforced Concrete Hollow Beam Dr. M. Arun Associate Professor PSG Institute of Technology and Applied Research, Neeelambur Coimbatore (29th June 2020)</p>	 <p>Earthquake Resistant Design of Structure Mr. A. Parthiban MBA(HR) Registered Structural Engineer (DTCP) Vellore (30th June 2020)</p>	 <p>Basic Structural Design Concept Mr. Sreerag Rasinthran Sr Structural Engineer Clastre Designs & Build Malaparampa Kozhikode (1st July 2020)</p>
<p>Co-ordinators Dr. R. Saktivel & R. Parthusaarathi Assistant Professor / Civil</p>	 <p>For Queries contact: +91 9944332228</p>	<p>Convenor Dr. K. Akil Professor & Head of the Department</p>




<https://qrgo.page.link/A2aMn>



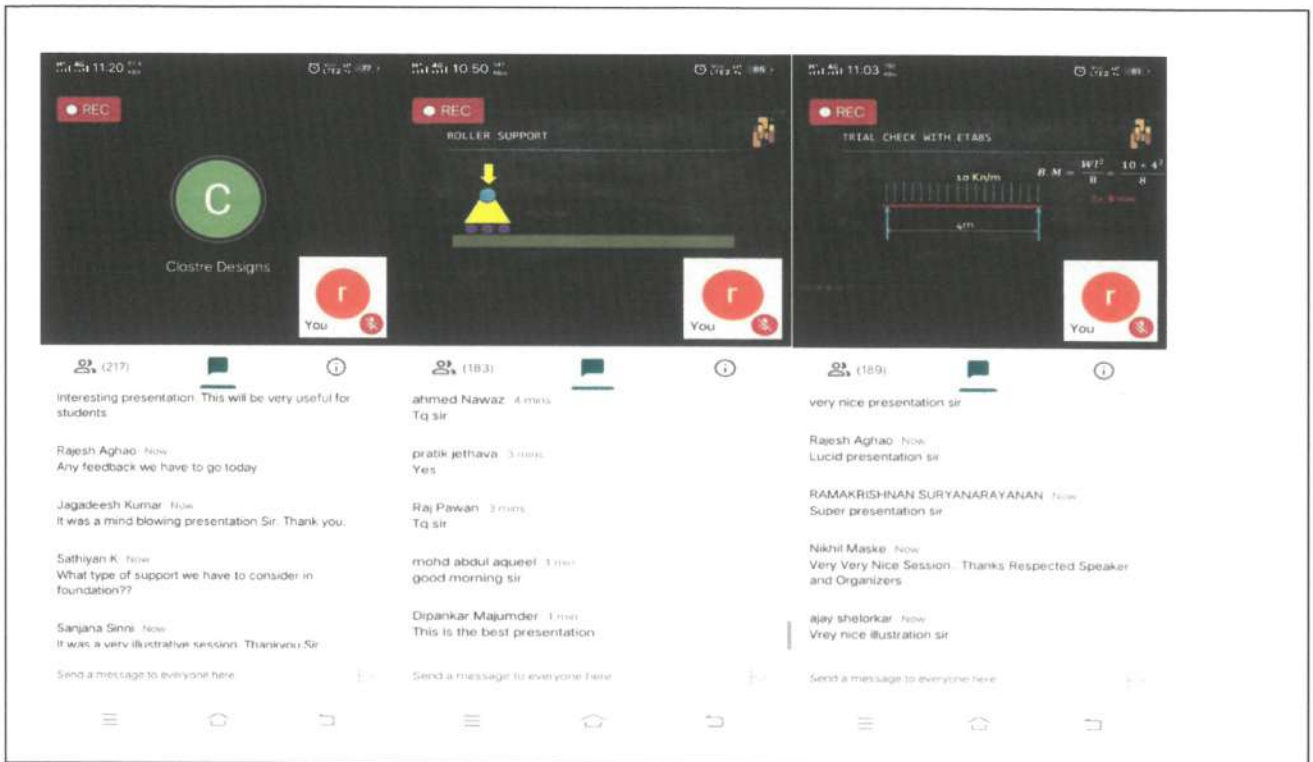
Google Meet
<https://meet.google.com/pxo-yxad-yxk>



(e- certificate will be provided to all active participants)



Geo Tagged Photographs of Event – 2 Nos:



Copy of Participaton Certificate:

Certificate ID:5AQIK0-CE000460



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DEPARTMENT OF CIVIL ENGINEERING
CERTIFICATE OF PARTICIPATION
PRIYADHARSHINI R
of
HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY
has attended the Three Day National Level Online Faculty Development Program on
“Advanced E-Learning in Structural Engineering Design Concepts”
from **29th June 2020 to 01st July 2020**

Co-ordinators
Dr. R. Sakthivel
Mr. R. Parthasaarathi

Convenor
Dr. K. Akil
HOD, Civil Engineering

This Certificate is electronically generated, authorization signature is not required

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From 29th June 2020 to 1st July 2020 (10:30 A.M. to 11:30 A.M.)



Reinforced Concrete Hollow Beam

Dr. M. Arun

Associate Professor

PSG Institute of
Technology and Applied Research,
Neelambur
Coimbatore
(29th June 2020)



Earthquake Resistant Design of
Structure

Mr. A. Parthiban

MBA(HR)

Registered Structural Engineer

(DTCP)

Vellore

(30th June 2020)



Basic Structural Design Concept

Mr. Sreerag Ravindran

Sr Structural Engineer

Clotre Designs & Build

Malaparampa

Kozhikode

(1st July 2020)



<https://qr.go.page.link/A2aMn>



Google Meet

<https://meet.google.com/pxo-yxad-yxk>



(e- certificate will be provided to all active participants)

Co-ordinators

Dr. R. Sakthivel & R. Parthasaarathi

Assistant Professor / Civil



For Queries contact: +91 9944332228

Convenor

Dr. K. Akil

Professor & Head of the Department

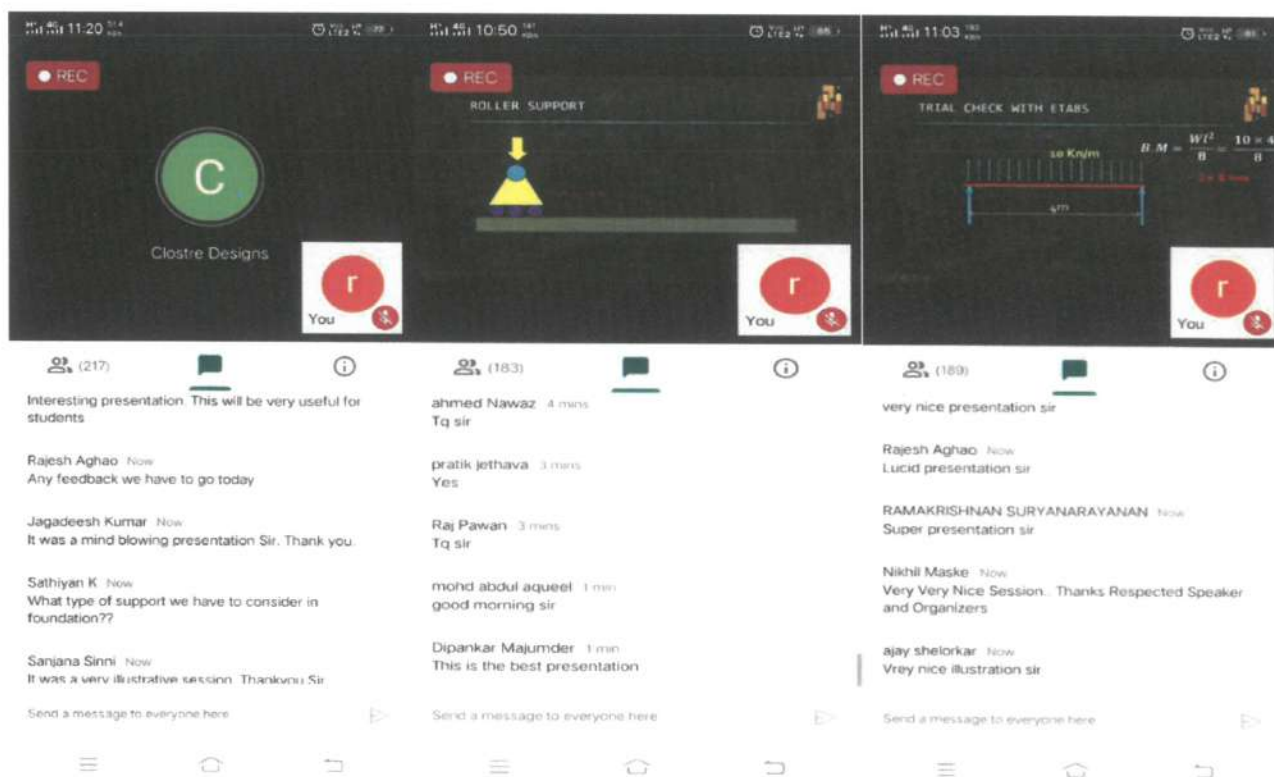
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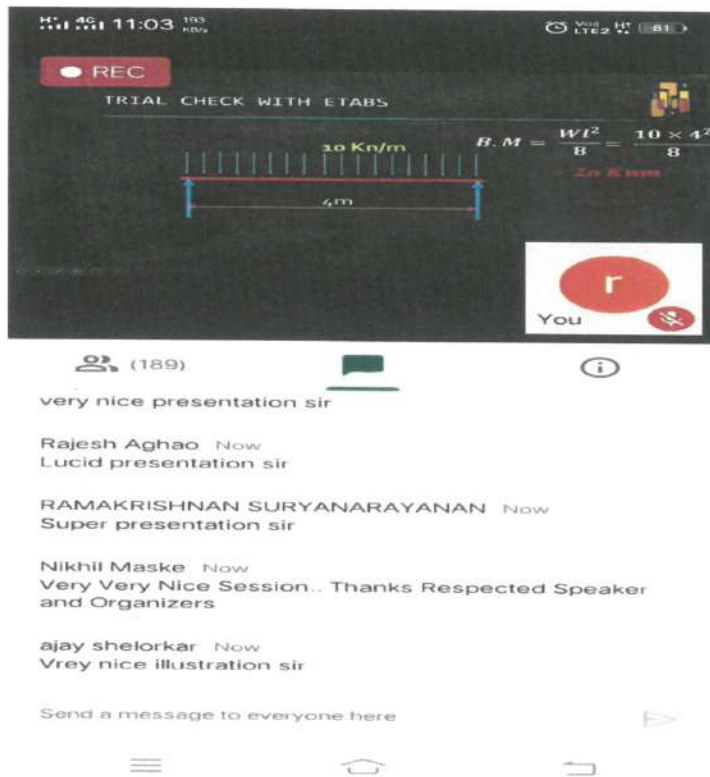
**CENTRE FOR FACULTY DEVELOPMENT
(*CFD*)**

Date: 29.06.2020 till 01.07.2020

Chief Guest :Mr A Parthiban, Registered Structural Engineer ((DTCP), Vellore.

A three day Faculty Development Programme on Structural Engineering and Design Concepts was successfully conducted online by the Centre for Faculty Development in Hindusthan College of Engineering and Technology, Coimbatore from 29th June 2020 till 1st of July, 2020.





The Chief guest spoke about Earthquake Resistant design of a structure. He told the participants that earthquake resistant design consists of an evaluation of the earthquake excitation and the structure response to this excitation at a particular site in order to provide a structural system that will not collapse, that may prevent loss of life and will limit economic loss during an earthquake.

Dr M Arun, Associate Professor of PSG Institute of Technology delivered a lecture on Reinforced Concrete Hollow Beam. He made the participants aware that A reinforced beam is typically a concrete beam that is reinforced by steel and supports large weight loads on a vertical scale. These are generally used in large buildings for longitudinal support. They add stability to a structure and are used in areas, like floors and ceilings, to withstand large amounts of stress.

Mr Sreerang Raveendran, Senior Structural Engineer from Clostre Designs and Build from Kozhikode addresses the participants online. He spoke about basic Structural Design Concepts. Structural design is the methodical investigation of the stability, strength and rigidity of structures. The basic objective in structural analysis and design is to produce a structure capable of resisting all applied loads without failure during its intended life.



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Report for Autonomous Vehicle Technology in Digital Era organized / participated

Name of the Faculty : Dr Sabarinathan	
Department : Automobile Engineering	Designation : Professor & Head
Name of the Event : Autonomous Vehicle Technology in Digital Era	
Level : International / National / State / Regional / Industry / University / College Level	
Venue / Mode : Online Mode	
No. of Days : 03 days	Dates : 06.07.2020 to 08.07.2020
Funded by : NIL / UGC / CSIR / DST / DSIR / TNSCST / ICSSR / NCERT / INSA / Management etc	
No. of Participants : 241	Registration charges (if any) : --
Name and Designation of Resource Person(s) :	
Dr Anand Nayyar, Graduate School, Duy Tan University, Vietnam.	
Shruti Subramanian, System Engineer, AIRBUS, Germany	
Gokul Sidarth, PhD Researcher, Swinburne University, Australia	
Outcome :	
<input type="checkbox"/> Students can gain the knowledge and awareness on the internet of vehicle, autonomous robot and surface vehicle technology.	
Remarks and Feedback on the Event : International speakers and working on the autonomous technology was awesome	

CFD Coordinator

DR. A.R. JAYASUDHA

Associate Professor / Head

Department of Computer Applications

Hindusthan College of Engineering and Technology
Pollachi Highway, Coimbatore - 641032.



Principal

PRINCIPAL

Hindusthan College of Engineering & Technology
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Copy of the Event Brochure / Invitation:

Department of Automobile Engineering



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COIMBATORE 641 032

International Webinar on **Autonomous Vehicle Technology in Digital Era** 6th - 8th July 2020

	<p>Dr Anand Nayyar Graduate School Duy Tan University, Vietnam Topic: Internet of Vehicle</p>	Day 1 11 to 12.30 PM
	<p>Shruti Subramanian System Engineer AIRBUS - GERMANY Topic: AI Technology in Robotics and Autonomous Driving</p>	Day 2 10 to 11.00 AM
	<p>Gokul Sidarth PhD Researcher Swinburne University AUSTRALIA Topic: Autonomous Surface Vehicle</p>	Day 3 4 to 5.00 PM

E Certificate will be provided

Online Platform



Facebook



Instagram



Registration







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Department of Automobile Engineering

6 July 2020

7 July 2020

8 July 2020

International Webinar on
Autonomous Vehicle
Technology in Digital Era

6th - 8th July 2020



Dr Anand Nayyar

Graduate School

Duy Tan University, Vietnam

Topic: Internet of Vehicle

Day 1
11 to 12.30 PM



Shruti Subramanian

System Engineer

AIRBUS - GERMANY

Topic: AI Technology in Robotics
and Autonomous Driving

Day 2
10 to 11.00 AM



Gokul Sidarth

PhD Researcher

Swinburne University

AUSTRALIA

Topic: Autonomous Surface Vehicle

Day 3
4 to 5.00 PM

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Department of Automobile Engineering

6 July 2020

7 July 2020

8 July 2020

International Webinar on
Autonomous Vehicle
Technology in Digital Era

6th - 8th July 2020



Dr Anand Nayyar

Graduate School

Duy Tan University, Vietnam

Topic: Internet of Vehicle

Day 1
11 to 12.30 PM



Shruti Subramanian

System Engineer

AIRBUS - GERMANY

Topic: AI Technology in Robotics
and Autonomous Driving

Day 2
10 to 11.00 AM



Gokul Sidarth

PhD Researcher

Swinburne University

AUSTRALIA

Topic: Autonomous Surface Vehicle

Day 3
4 to 5.00 PM

E Certificate will be provided

Registration

Online Platform



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COIMBATORE – 641 032

CENTRE FOR FACULTY DEVELOPMENT

(*CFD*)

Date: 06.07.2020 till 08.07.2020

Chief Guest :Dr AnandNayyar, Duy Tan University, Vietnam

A three day Faculty Development Programme on Autonomous Vehicle Technology in Digital Era was successfully conducted online by the Centre for Faculty Development in Hindusthan College of Engineering and Technology, Coimbatore from 06th July 2020till08th July, 2020.

The Chief guest addressed the participants online and exposed them to many new avenues. He explained Internet of Vehicles. He said, The Internet of Vehicles is a network that interconnects pedestrians, cars, and parts of urban infrastructure. It uses various sensors, software, in-built hardware, and types of connection to enable reliable and continuous communication.

Mrs ShrutiSubraminan, System Engineer in Airbus – Germany, spoke about AI Technology in Robotics and Autonomous Driving. AI software in the car is connected to all the sensors and collects input from Google Street View and video cameras inside the car. The AI simulates human perceptual and decision-making processes using deep learning and controls actions in driver control systems, such as steering and brakes.

Mr GokulSidartha, Phd Researcher from Swinburne University, Australia addressed the participants. He spoke about Autonomous surface vehicles. He said, Autonomous Surface Vehciles (ASVs) are a type of unmanned surface vessel capable of autonomous operation. ASVs can often be fully autonomous, semi-autonomous or switched to manual control.

Session Experts



Day 1
6 July 2020

Dr Mrinal Pal

Senior Principal Scientist

Functional Materials & Devices Division

CSIR - Central Glass & Ceramics Research

Institute, Kolkata

**Topic: Nanoscience and Nanotechnology :
Fundamentals to Applications**

Dr Shah M S

Senior Associate Professor

Special Centre for Nanoscience

PG Department of Physics

National Institute of Technology, Srinagar

Topic: Nanomaterials in Automobile



Day 2
7 July 2020



Day 3
8 July 2020

Mr Naushad Ali M

Chief Executive Officer

BT Corp Generique Nano Private Limited

Bengaluru

(Co - Founder & Stake Holder - Graphene Valley -
European Union Energy Consortium)

Topic: Industrial Nanotechnology





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**DEPARTMENT OF
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Organizing

**Six Days Online FDP on
Nanomaterial Synthesis,
Process, Characterization and its
Functional Applications**

6th to 11th July 2020

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6th to 11th July 2020



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Session Experts



**Day 1
6 July 2020**

Dr Mrinal Pal

Senior Principal Scientist

Functional Materials & Devices Division
CSIR - Central Glass & Ceramics Research
Institute, Kolkata

**Topic: Nanoscience and Nanotechnology :
Fundamentals to Applications**

Dr Shah M S

Senior Associate Professor

Special Centre for Nanoscience

PG Department of Physics

National Institute of Technology, Srinagar

Topic: Nanomaterials in Automobile



**Day 2
7 July 2020**



**Day 3
8 July 2020**

Mr Naushad Ali M

Chief Executive Officer

BT Corp Generique Nano Private Limited
Bengaluru

(Co - Founder & Stake Holder - Graphene Valley -
European Union Energy Consortium)

Topic: Industrial Nanotechnology



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Session Experts



**Day 4
9 July 2020**

Dr Prakash S

Dean - Mechanical Sciences

Sathyabama Institute of Science and Technology
Chennai

**Topic: Study on Machining Characteristics of
Self Healing Composites / Metal
Matrix Composites**

Dr Dhamodharan D
Assistant Professor
School of Mechanical Engineering
Xian Jiaotong University,
China

**Topic: Graphene Oxide based polymer
Nanocomposites**



**Day 5
10 July 2020**



**Day 6
11 July 2020**

Dr Vivek M. Nanoti
Principal & Professor

Priyadarshini Institute of Engg. & Tech.
Nagpur

**Topic: Effects of Properties of Nanomaterials
on Application of Nanotechnology**



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Shri. Saraswathi Khanna
Managing Trustee



Shri. Priya Satish Prabu
Executive Trustee & Secretary



Shri. K Sakthivel
Trustee

Patrons



Dr. Karunakaran K
CEO



Dr. Annadurai S
Advisor



Dr. Sabarimathan C
Professor & Head

Convener



Coordinators

Mr Naresh Mallireddy
9626032235

Mr Barathkannan P
90034 93871

Registration



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COIMBATORE – 641 032
CENTRE FOR FACULTY DEVELOPMENT
(*CFD*)

Date: 06.07.2020 till 11.07.2020

Chief Guest :Dr Mrinal Pal, Senior Principal Scientist, CSIR Kolkata.

Six days Faculty Development Programme on Nano material Synthesis, Process, Characterization and its Functional Applications was successfully conducted online by the Centre for Faculty Development in Hindusthan College of Engineering and Technology, Coimbatore from 06th July 2020 till 11th July, 2020.

Dr Mrinal Pal, Senior Scientist, Functional Materials & Devices Division, CSIR – Central Glass & Ceramics Research Institute, Kolkata spoke on Nano science and Nanotechnology: Fundamentals to Applications. He told the participants that Nano science is a convergence of physics, materials science and biology, which deal with manipulation of materials at atomic and molecular scales; while nanotechnology is the ability to observe measure, manipulate, assemble, control, and manufacture matter at the nano meter scale.

Dr Shah M S, Senior Associate Professor, Special Centre for Nano science, PG Department of Physics, Nano Institute of Technology, Srinagar spoke about Nano materials in automobile. Participants were told that in automobiles, nano materials such as aluminium carbon nano tube composites, carbon nano tubes, aluminium silicon carbide composites, and graphene are commonly used.

Mr Naushad Ali M, Chief Executive Officer, BT Corp Generique Nano Private Limited, Bengaluru spoke on Industrial Nanotechnology. He told the participants that it is used to manufacture structures in coal, silicon, inorganic materials, metals and semiconductors that do not work with humidity. It is based on biological systems present in an aqueous environment — including genetic material, membranes, enzymes and other cellular components.

Dr Prakash S, Dean Mechanical Sciences, Sathyabama Institute of Science and Technology, Chennai, spoke on Study on Machining Characteristics of Self healing Composites / Metal matrix Composites.

Dr Dhamodharan D, Assistant Professor, School of Mechanical Engineer, Xian Jiatong University, China spoke on Graphene Oxide based Polymer Nano composite. He told the participants that Automakers, for example, will use graphene to build lighter electric cars and trucks with stronger body panels and more efficient electrical systems. That would lead to safer, more efficient driving. And that will lead to fewer traffic deaths and reduced carbon emissions.



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Report for Solar Energy Applications organized /partieipated

Name of the Faculty : Dr Siva	
Department : Mechanical	Designation : Professor & Head
Name of the Event : Four Days Faculty Development Programme on “ Solar Energy Applications	
Level : International	
Venue / Mode : Online	
No. of Days : 4 Days	Dates : 14 July 2020 to 17 July 2020
Funded by : NIL	
No. of Participants : 90	Registration charges (if any) :
<p>Name and Designation of Resource Person(s) :</p> <p>Dr Kamaruzzaman Sopian Professor Director of the Solar Energy Research Institute Universiti Kebangsaan Malayasia.</p> <p>Dr Mohanraj Professor Department of Mechanical Engineering Hindusthan College of Engineering and Technology, Coimbatore</p> <p>Dr Yerzhan Belyayev Associate Professor Department of Mechanical Engineer Satbayev University, Kazakhstan</p> <p>Mr Arun K Raj Research Scholar NIT, Calicut, Kerala</p>	
Outcome : Participants were made exposed to a higher level of knowledge in Solar Energy.	
Remarks and Feedback on the Event : Informative and Interactive.	
<p><i>(Signature)</i> CFD Coordinator</p> <p><i>(Signature)</i> Principal</p>	



DR. A.R. JAYASUDHA
 Associate Professor / Head
 Department of Computer Applications
 Hindusthan College of Engineering and Technology
 Coimbatore - 641032.

PRINCIPAL
 Hindusthan College of Engineering & Technology,
 COIMBATORE - 641 032

Copy of the Event Brochure / Invitation:

Department of Mechanical Engineering

INTERNATIONAL FACULTY DEVELOPMENT PROGRAMME
ON
SOLAR ENERGY APPLICATIONS
14th - 17th July 2020

	<p>Dr. Kamaruzzaman Sopian Professor, Director of the Solar Energy Research Institute, Universiti Kebangsaan Malaysia. Expertise: Solar Energy Applications</p> <p style="color: red; font-weight: bold;">Topic : Solar Cooling and Air Conditioning</p>	<p>14/07/2020 10 am - 11.30 am</p>
	<p>Dr. M. Mohanraj Professor, Department of Mechanical Engineering, Hindusthan College of Engineering and Technology, Coimbatore, India. Expertise: Solar Energy Applications</p> <p style="color: red; font-weight: bold;">Topic : Solar Heat Pump Dryer</p>	<p>15/07/2020 10 am - 11.30 am</p>
	<p>Dr. Yerzhan Belyayev, Associate Professor, Department of Mechanical Engineering, Satbayev University, Almaty, Kazakhstan Expertise: Heat Pump Applications</p> <p style="color: red; font-weight: bold;">Topic : Solar Heat Pumps for Water and Space Heating</p>	<p>16/07/2020 10 am - 11.30 am</p>
	<p>Mr. Arun K. Raj, Research Scholar, Department of Mechanical Engineering, National Institute of Technology, Calicut, Kerala Expertise: Computational Fluid Dynamics; Solar Air heaters</p> <p style="color: red; font-weight: bold;">Topic : Solar Air Heaters</p>	<p>17/07/2020 10 am - 11.30 am</p>

<p>Convenor Dr. K. Siva, Professor and Head, Department of Mechanical Engineering</p> <p>Registration: https://forms.gle/RGye8RYCR1wXBgsWA</p>		<p>Coordinators Mr. C.A. Jagadish, Assistant Professor, Mr. L. Karthick, Assistant Professor, Department of Mechanical Engineering Contact: 93616 66675, 9944805552</p>
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HICET

HINDUSTHAN

College of Engineering and Technology
(An Autonomous Institution)
COIMBATORE 641032






CENTRE FOR FACULTY DEVELOPMENT
(CFD)

Department of Mechanical Engineering

INTERNATIONAL FACULTY DEVELOPMENT PROGRAMME
ON

SOLAR ENERGY APPLICATIONS

14th - 17th July 2020



Dr. Kamaruzzaman Sopian

Professor,
Director of the Solar Energy Research Institute,
Universiti Kebangsaan Malaysia,
Expertise: Solar Energy Applications

14/07/2020
10 am - 11.30 am

Topic : Solar Cooling and Air Conditioning



Dr. M. Mohanraj

Professor,
Department of Mechanical Engineering,
Hindusthan College of Engineering and Technology,
Coimbatore, India.
Expertise: Solar Energy Applications

15/07/2020
10 am - 11.30 am

Topic : Solar Heat Pump Dryer



Dr. Yerzhan Belyayev,

Associate Professor,
Department of Mechanical Engineering,
Satbayev University, Almaty, Kazakhstan
Expertise: Heat Pump Applications

16/07/2020
10 am - 11.30 am

**Topic : Solar Heat Pumps for Water
and Space Heating**



Mr. Arun K. Raj,

Research Scholar,
Department of Mechanical Engineering,
National Institute of Technology, Calicut, Kerala
Expertise: Computational Fluid Dynamics, Solar Air heaters

17/07/2020
10 am - 11.30 am

Topic : Solar Air Heaters

Convener

Dr. K. Siva,
Professor and Head,
Department of Mechanical Engineering



Registration:
<https://forms.gle/RGye8RYCR1wXBg5WA>

Coordinators

Mr. C.A. Jagadish,
Assistant Professor,
Mr. L. Karthick,
Assistant Professor,
Department of Mechanical Engineering
Contact: 93616 66675, 9944805552

HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY

COIMBATORE – 641 032

CENTRE FOR FACULTY DEVELOPMENT

(*CFD*)

14th- 17th July 2020

Solar Energy Applications

- Day 1 Solar Cooling and Air Conditioning
Dr Kamaruzzaman Sopian
Professor
Director of the Solar Energy Research Institute
Universiti Kebangsaan Malaysia.
- Day 2 Solar Heat Pump Dryer
Dr Mohanraj
Professor
Department of Mechanical Engineering
Hindusthan College of Engineering and Technology,
Coimbatore
- Day 3 Solar Heat Pumps for Water and Space Heating
Dr Yerzhan Belyayev
Associate Professor
Department of Mechanical Engineer
Satbayev University, Kazakhstan
- Day 4 Solar Air Heaters
Mr Arun K Raj
Research Scholar
NIT, Calicut, Kerala

HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY

COIMBATORE – 641 032

CENTRE FOR FACULTY DEVELOPMENT

(*CFD*)

Date: 14.07.2020 till 17.07.2020

Chief Guest :Dr KamaruzzamanSopian

A Four day Online Faculty Development Programme on Solar Energy Vehicles was successfully conducted online by the Centre for Faculty Development in Hindusthan College of Engineering and Technology, Coimbatore from 14th July 2020till17th Aug 2020.

Dr KamaruzzamanSopian addressed the participants online and spoke about Solar Cooling. He spoke that Solar cooling is a system that converts heatfrom the sun into cooling that can be used for refrigeration and air conditioning. A solar cooling system collects solar power and uses it in a thermally driven cooling process which is in turn used to decrease and control the temperature for purposes like generating chilled water or conditioning air for a building.

Dr Mohanraj spoke about Solar Heat Pump Dryer. He told the participants the working mechanism of solar heat pump dryer. The principle of the solar drying technique is to collect solar energy by heating-up the air volume in solar collectors and conduct the hot air from the collector to an attached enclosure, the meat drying chamber.

Dr YerzhanBelyayev, Associate Professor Spoke about Solar Heat pumps for Water and Space Heating. He told that Solar water heating systems include storage tanks and solar collectors. There are two types of solar water heating systems: active, which have circulating pumps and controls, and passive, which don't.

Mr Arun K Raj spoke about Solar Air Heaters. He told the participants that It consists of a glass cover through which solar radiation strikes a corrugated absorber sheet with a selective surface. Behind this, the other three sides, which are insulated, form an air duct through which air flows past the absorber sheet, and is therefore heated.




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College of Engineering and Technology,

Valley Campus, Pollachi Highway, Coimbatore 641 032.

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Report for Faculty Development Programme on Research Opportunities in Advanced Welding Processes organized / participated

Name of the Faculty : Dr K Siva	
Department : Mech	Designation :
Name of the Event : Faculty Development Programme on Research Opportunities in Advanced Welding Processes	
Level :	National
Venue / Mode :	Online
No. of Days : 5 Days	Dates : 22 nd July to 26 th July 2020
Funded by :	NIL
No. of Participants : 100	Registration charges (if any) : NIL
Name and Designation of Resource Person(s) :	
Dr V P Raghupathy, Former DGM, Welding Research Institute	
Dr N Murugan, Professor, Department of Robotics and Automation Engineering, PSG college of Technology, Coimbatore	
Dr D Sethuram, Professor, Department of Mechanical Engineering	
Dr Sathish Vasu Kailas, Professor, Department of Mechanical Engineering, Indian Institute of Science, Bangalore	
Outcome : Participation were sound exposure to the intricacies of Welding Process.	
Remarks and Feedback on the Event : Very Informative.	
<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  CFD Coordinator Dr. A.R. JAYASUDHA Associate Professor / Head Department of Computer Applications Hindusthan College of Engineering and Technology Coimbatore - 641032. </div> <div style="text-align: center;"> Principal PRINCIPAL Hindusthan College of Engineering & Technology, COIMBATORE - 641 032 </div> </div>	



Copy of the Event Brochure / Invitation:



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COLLEGE OF ENGINEERING AND TECHNOLOGY
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COIMBATORE 641032

DEPARTMENT OF MECHANICAL ENGINEERING
ORGANIZING
NATIONAL LEVEL FACULTY DEVELOPMENT PROGRAMME
ON

RESEARCH OPPORTUNITIES IN ADVANCED WELDING PROCESSES

22-07-2020 to 26-07-2020

22-07-2020

DAY 1- OVERVIEW OF ADVANCED WELDING PROCESSES



Dr. V.P. Raghupathy

Former DGM, Welding Research Institute
Scientist, National Aerospace Laboratory
Visiting Professor, PES University
Bangalore

10.00 AM -
11.30 AM



23-07-2020

DAY 2 - ELECTRON BEAM WELDING AND LASER WELDING



Dr. D. Sethuram

Professor
Department of Mechanical Engineering
PES University
Bangalore

10.00 AM -
11.30 AM

24-07-2020

DAY 3 - ROBOTIC WELDING



Dr. N. Murugan

Professor
Department of Robotics & Automation Engineering
PSC College of Technology
Coimbatore

10.00 AM -
11.30 AM

25-07-2020

DAY 4- TRENDS IN FSW



Dr. Satish Vasu Kailas

Professor
Department of Mechanical Engineering
Indian Institute of Science
Bangalore

10.00 AM -
11.30 AM

26-07-2020

DAY 5- PLASMA WELDING



Dr. K. Siva

Professor & Head
Department of Mechanical Engineering
Hindusthan College of Engg & Technology
Coimbatore

10.00 AM -
11.30 AM

CONVENOR
Dr. K. Siva
 PROFESSOR AND HEAD
 DEPT. OF MECHANICAL ENGINEERING

COORDINATORS
 M. N. Prasad Venkatesan
 Assistant Professor
 9629 760 383

M. S. Subramanian
 Assistant Professor
 9894 737 500

Registration Link: <https://forms.gle/inZufuUvYr4wwQ8p1A>



HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE – 641 032

CENTRE FOR FACULTY DEVELOPMENT
(*CFD*)

Date: 22.07.2020 till 27.07.2020

Chief Guest: Dr V P Raghupathy

One week Online Faculty Development Programme on Research Opportunities in Advanced Welding Processes was successfully conducted by the Centre for Faculty Development in Hindusthan College of Engineering and Technology, Coimbatore from 22nd July 2020 till 27th July 2020.

Dr V P Raghupathy, Former DGM, Welding Research Institute spoke over overview of advanced welding processes. He told the participants that it joins different metals/alloys – similar and dissimilar both-, with application of heat and forge pressure, generally without the use of filler metal. The joints so created are in solid phase with highest integrity due the squeezing force applied.

Dr D Sethuram, Professor, Department of Mechanical Engineering, PES University, Bangalore spoke about Electron beam welding and laser welding. He told the participants that EB welding uses a finely focused stream or beam of electrons, whereas laser welding uses monochromatic coherent light (photons). In both cases, the kinetic energy of the electrons or photons is turned into heat energy when they hit the surface of the metal.

Dr N Murugan, Professor, Department of Robotics and Automation Engineering, PSG college of Technology, Coimbatore spoke about Robotic Welding. Robot welding is commonly used for resistance spot welding and arc welding in high production applications, such as the automotive industry.

Dr SathishVasu Kailas, Professor, Department of Mechanical Engineering, Indian Institute of Science, Bangalore spoke about Nuances in FSW. He told the participants that Friction stir welding (FSW) is an advanced technique for joining materials in a continuous operation. The FSW process parameters such as traverse speed, tool rotational speed, axial force and tilt angle were considered. The mechanical properties measured are yield strength, tensile strength and percentage of elongation.





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College of Engineering and Technology,

Valley Campus, Pollachi Highway, Coimbatore 641 032.

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Report for Planning and Approaches for NIRF & Best Practices in Engineering College organized / participated

Name of the Faculty : Dr C Sabarinathan	
Department : Automobile Department	Designation : Professor & Head
Name of the Event : FDP on Planning and Approaches for NIRF & Best Practices in Engineering College	
Level : / National	
Venue / Mode : Online Mode	
No. of Days : 05 Days	Dates : 27 th July 2020 to 1 st August 2020
Funded by : Host Institution	
No. of Participants : 382	Registration charges (if any) : NIL
Name and Designation of Resource Person(s) :	
Prof A M Natarajan Chief Executive KPR Institute of Engineering and Technology, Coimbatore.	
Dr Vimala Rosaline Principal (Retd) Government College of Engineering, Salem.	
Dr Amirthagadeswaran KS Principal United Institute of Technology, Coimbatore	
Dr Jagadeswari M Professor & Head ECE Sri Ramakrishna Engineering College, Coimbatore	
Outcome : Enrich the knowledge on NIRF Ranking and Importance of Best Practices	
<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  CFD Coordinator </div> <div style="text-align: center;">  Principal </div> </div>	



Dr. A.R. JAYASUDHA
Associate Professor / Head
Department of Computer Applications
Hindusthan College of Engineering and Technology
Coimbatore - 641032.

Hindusthan College of Engineering & Technology
COIMBATORE - 641032

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COIMBATORE 641 032

Experience the Excellence

Six Days Online FDP on
Integrated Planning for NIRF
Ranking & Best Practices in
Engineering College



Date:

27th July to 1st Aug 2020

Time:

09.45 to 11.15 AM

02.45 to 04.15 PM



Copy of the Participation/Issue Certificate:

Certificate of Participation

This Certificate is to Appreciate:

Dr C. Sabarnathan
Professor & Head
Department of Automobile Engineering
for actively attending the Six Days Online
Faculty Development Programme (FDP) on
“Integrated Planning for NIRF Ranking & Best Practices in Engineering College” Organized by
Hindusthan College of Engineering and Technology
from 27th July 2020 to 01st August 2020


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COIMBATORE 641 032


Dr. S. Annadurai
Advisor





Hindusthan

**College of Engineering and Technology,
Coimbatore 641 032.**

**CENTRE FOR FACULTY DEVELOPMENT
(*CFD*)**



HINDUSTHAN

COLLEGE OF ENGINEERING AND TECHNOLOGY

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COIMBATORE 641 032

Experience the Excellence

**Six Days Online FDP on
Integrated Planning for NIRF
Ranking & Best Practices in
Engineering College**



**Date:
27th July to 1st Aug 2020**

**Time:
09.45 to 11.15 AM
02.45 to 04.15 PM**

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**College of Engineering and Technology,
Coimbatore 641 032.**

**CENTRE FOR FACULTY DEVELOPMENT
(*CFD*)**



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**Six Days Online FDP on
Integrated Planning for NIRF
Ranking & Best Practices in
Engineering College**



Date:

27th July to 1st Aug 2020

Time:

09.45 to 11.15 AM

02.45 to 04.15 PM

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HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY

COIMBATORE – 641 032

CENTRE FOR FACULTY DEVELOPMENT

(*CFD*)

27th July – 1st August 2020

Day 1 (FN)- **Prof A M Natarajan**
Chief Executive
KPR Institute of Engineering and Technology, Coimbatore

Day 1 (AN) **Dr Vimala Rosaline**
Principal (Retd)
Government College of Engineering, Salem.

Day 2 (FN) - **Dr Amirthagadeswaran KS**
Principal
United Institute of Technology, Coimbatore

Day 2 (AN) **Dr Jagadeswari M**
Professor & Head ECE
Sri Ramakrishna Engineering College, Coimbatore

Day 3 (FN) - **Dr Paulraj M**
Principal
Sri Ramakrishna Institute of Technology, Coimbatore

Day 3 (AN) - **Dr Tensing D**
Director IQAC
Karunya University, Coimbatore

Day 4 (FN) - **Dr Kuppan P**
Deputy Director - IQAC
School of Mechanical, VIT, Vellore.

Day 4 (AN) **Dr AshokaVarthanan P**
Professor & Head - Mech
Sri Krishna College of Engineering and Technology,
Coimbatore
Dr Balamurugan G

Day 5 (FN) - Director -MBA
MepcoSchelnk Engineering College, Sivakasi

Day 5 (AN) **Dr Thenmozhi R**
Professor & Head
Department of Civil Engineering, GCT, Coimbatore

Day 6 (FN) - **Dr Sathyanarayanan B S**
Founder & CEO
SathyaBharathi Consultants
Bangalore

Day 6 (AN) **Dr Mohamed Shafi Mir**
Professor
Department of Civil Engineering, NIT, Srinagar.



CENTRE FOR FACULTY DEVELOPMENT

(CFD)

Session Experts

Day 1 - 27th July 2020

 Prof. A.M. Natarajan Chief Executive K.P.R. Institute of Engg. and Tech. Coimbatore Topic: Best Practices	 Dr Vimala Rosaline Principal (Retd.) Government College of Engineering, Salem Topic: Best Practices
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Day 2 - 28th July 2020

 Dr Ananthagopalan K.S Principal United Institute of Technology, Coimbatore Topic: Best Practices	 Dr Jagadeeswari M Professor & Head - ECE Sri Ramakrishna Engineering College, Coimbatore Topic: Best Practices
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Day 3 - 29th July 2020

 Dr Pankraj M Principal Sri Ramakrishna Institute of Technology, Coimbatore Topic: Best Practices	 Dr Teasing D Director IQAC Karnataka University Coimbatore Topic: NIRF
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Day 4 - 30th July 2020

 Dr Kappan P Deputy Director - IQAC School of Mechanical VIT, Vellore Topic: NIRF	 Dr Aishwarya Varthanan P Professor & Head - Mech Sri Krishna College of Engg. & Tech. Coimbatore Topic: NIRF & Best Practices
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Day 5 - 31st July 2020

 Dr Balasubramanian G Director - MBA Mepco Schriek Engineering College, Sivakasi Topic: NIRF	 Dr Thenmozhi R Professor and Head Dept. of Civil Engineering GCT, Coimbatore Topic: Best Practices
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Day 6 - 1st August 2020

 Dr Sathyanarayanan B.S Founder & CEO Satya Bharathi Consultants Bangalore Topic: Integrated Planning and Implementation Process for NIRF Rankings	 Dr Mohammad Shafi M Professor Dept. of Civil Engineering NIT - Srinagar Topic: Strategic Planning for NIRF
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HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY

COIMBATORE – 641 032

CENTRE FOR FACULTY DEVELOPMENT

(CFD)

Date: 27.07.2020 till 01.08.2020

A Six day Online Faculty Development Programme on Integrated Planning for NIRF Ranking & Best Practices in Engineering College was successfully conducted online by the Centre for Faculty Development in Hindusthan College of Engineering and Technology, Coimbatore from 27th July 2020 till 01st Aug 2020.

Prof A M Natarajan, told the participants that the National Institutional Ranking Framework (NIRF) was approved by the MHRD and launched by Honourable Minister of Human Resource Development on 29th September 2015. This framework outlines a methodology to rank institutions across the country

Every year, the Education Ministry releases the National Institutional Ranking Framework or **NIRF** ranking with the objective to promote competitive excellence among the higher educational institutions in the country based on the parameters that broadly include - Teaching, Learning and Resources, and Research.

Dr Paulraj M told the gathering that the overall score is computed based on the weights allotted to each head. The overall score can take a maximum value of 100. 1.5 The institutions can then be rank-ordered based on their scores. Depending on their areas of operation, institutions have been ranked under 11 different categories – overall, university, colleges, engineering, management, pharmacy, law, medical, architecture, dental and research.

NIRF. National Assessment and Accreditation Council, (NAAC) was founded by the University Grants Commission (UGC) of India in the year 1994 for assessing and giving accreditation to the Institutions for Higher Education in the country.



The National Institutional Ranking Framework (NIRF) has included a new category, Agriculture and Allied Sectors, in accordance with recent changes. According to the announcement made on the official website, "NIRF has added a new category, called Agriculture & Allied Sectors. Institutions interested in participating can do so under "Agriculture & Allied Sectors."





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


Report for Enabling teachers for Digital Classroom through ICT Tools organized / participated





Name of the Faculty : Dr A R JayaSudha	
Department : MCA	Designation : Professor & Head
Name of the Event : Enabling teachers for Digital Classroom through ICT Tools	
Level :	College Level
Venue / Mode : Online Mode	
No. of Days : 3 Days	Dates : 3 rd August 2020 to 05 th August 2020
Funded by : NIL	
No. of Participants : 250	Registration charges (if any) : NIL
Name and Designation of Resource Person(s) :	
Dr A R JayaSudha, Professor & Head, Department of Computer Applications	
Ms Benazir, Assistant Professor, Department of Information Technology.	
Outcome :	
Staff enabled through thorough knowledge for digital classes and to effectively use ICT tools for online classes.	
Remarks and Feedback on the Event :	
Interactive, Interesting and Informative.	
<div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;">  CPD Coordinator Dr. A.R. JAYASUDHA Associate Professor / Head Department of Computer Applications Hindusthan College of Engineering and Technology Coimbatore - 641032. </div> <div style="text-align: center;">  Principal PRINCIPAL Hindusthan College of Engineering & Technology, COIMBATORE - 641 032 </div> </div>	




Copy of the Event Brochure / Invitation:

Learn **36 Tools To Be a Creative**
DIGITAL TEACHER
 FDP | Aug 3-5, 2020 | Digital Platform | 10am-1pm



DAY 1	<p style="font-size: 24px; font-weight: bold; margin: 0;">DIGITAL TOOLS</p> <p>Google Classroom, XMind, OBS, iSpring Suite, Canva, PicMonkey</p>	
DAY 1	<p style="font-size: 24px; font-weight: bold; margin: 0;">DIGITAL TOOLS</p> <p>Edmodo, Video from PPT, iSpring, Eclipse, Adobe Captivate, Audacity</p>	
DAY 2	<p style="font-size: 24px; font-weight: bold; margin: 0;">DIGITAL TOOLS</p> <p>Kahoot, Hot Potatoes, Pixlr, Poll Everywhere, Mentimeter, Prezi</p>	
DAY 2	<p style="font-size: 24px; font-weight: bold; margin: 0;">DIGITAL TOOLS</p> <p>Slido, Quizizz, Slidedog Padlet, Quizlet, Testmoz</p>	
DAY 3	<p style="font-size: 24px; font-weight: bold; margin: 0;">DIGITAL TOOLS</p> <p>Flipgrid, Jamboard, MS Publisher MIRO, PhotoStory, Macros in Excel</p>	
DAY 3	<p style="font-size: 24px; font-weight: bold; margin: 0;">DIGITAL TOOLS</p> <p>SnagIt, Edraw, Iluvpdf Kaizala, Pixton, Olive</p>	



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CENTRE FOR FACULTY DEVELOPMENT
(CFD)

Learn 36 Tools To Be a Creative
DIGITAL TEACHER

FDP Aug 3-5, 2020 Digital Platform 10am-1pm



DAY 1

DIGITAL TOOLS

Google Classroom, XMind, OBS, iSpring Suite, Canva, PicMonkey



DAY 1

DIGITAL TOOLS

Edmodo, Video from PPT, iSpring, Eclipse, Adobe Captivate, Audacity



DAY 2

DIGITAL TOOLS

Kahoot, Hot Potatoes, Pixlr, Poll Everywhere, Mentimeter, Prezi



DAY 2

DIGITAL TOOLS

Slido, Quizizz, Slidedog Padlet, Quizlet, Testmoz



DAY 3

DIGITAL TOOLS

Flipgrid, Jamboard, MS Publisher MIRO, PhotoStory, Macros in Excel



DAY 3

DIGITAL TOOLS

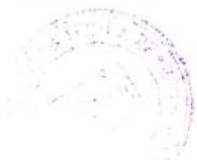
SnagIt, Edraw, Iluvpdf Kaizala, Pixton, Olive



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Coimbatore



HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY

COIMBATORE – 641 032

CENTRE FOR FACULTY DEVELOPMENT

(*CFD*)

Date: 03.08.2020 & 05.08.2020

Speaker : Dr A R JayaSudha

A three day Online Faculty Development Programme on Enabling teachers for Digital Classroom through ICT Tools was successfully conducted by the Centre for Faculty Development in Hindusthan College of Engineering and Technology, Coimbatore from 03rd August 2020 till 05th Aug 2020.



A Team of three members conducted the online training on usage of ICT Tools for the entire team of teaching fraternity of Hindusthan Institutions.

Professor, Dr A R Jayasudha from Department of Computer Applications, Assistant Professor Mrs. Benazir from Department of Computer Science, Associate Professor Dr Veerasamy from Department of Electronics and Communication Engineering joined hands to teach 36 online tools that could make classes lively and interactive.

Day1 participants were trained on the usage of ICT tools for creating virtual classroom using Google Classroom, Working of XMind, usage of Open Broadcaster software, iSpring Suite, Usage of Canva and Pic Monkey. With iSpring suite, high quality screencasts can be created.

It can be used to capture all or part of your screen, spotlight mouse actions. iSpring Suite is a fast and user-friendly eLearning toolkit that builds into your PowerPoint. With iSpring Suite, we can easily create a



course, record narration, put together a quiz, and publish the course online – even with no experience in eLearning development.

Xmind is a mind mapping and brainstorming software. The application can be used to visualize ideas, clarify thoughts, manage complex information, and promote team collaboration.

PicMonkey offers graphic design and photo editing tools, as well as design templates for wedding invitations, announcements, thank you cards, business cards, etc.

Day2 participants were trained on Edmodo, to make video from powerpoint, Working on Eclipse IDE, Adobe Captivate and Audacity. Edmodo is a free learning management platform that merges classroom content, safe communication, and assessment with social media savvy. Students and parents can get quick answers to questions as well as stay current on class assignments and happenings via the student planner and discussion threads.

Eclipse is a free, Java-based development platform known for its plugins that allow developers to develop and test code written in other programming languages.

Adobe Captivate is an elearning authoring and course design tool (or LCMS). It allows users to rapidly author responsive, interactive learning eLearning content, as well as mobile HTML-5 learning content.

Audacity is a free, easy-to-use, multi-track audio editor and recorder for Windows, macOS, GNU/Linux and other operating systems. The interface is translated into many languages. We can use Audacity to: Record live audio.

Day 3 participants were trained on tools like Flip grid, Jamboard, MS Publishers, Micro, Photostory, Macros in Excel. Flip (formerly Flipgrid) is a website and app that allows teachers to facilitate video discussions. Students are organized into groups and then given access to discussion topics.

Jamboard is one smart display. Quickly pull in images from a Google search, save work to the cloud automatically, use the easy-to-read handwriting and shape recognition tool, and draw with a stylus but erase with your finger – just like a whiteboard







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Valley Campus, Pollachi Highway, Coimbatore 641 032.

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Report for Workshop on MATLAB organized / participated

Name of the Faculty : Dr K Kavithmani	
Department : MCA	Designation : Associate Professor
Name of the Event : Workshop on MatLab	
Level :	College Level
Venue / Mode : Online Mode YouTube Live https://youtu.be/kn-jmfATcQg https://youtu.be/DoTltBCrIF0 https://youtu.be/JWKmtkUsL.Bg	
No. of Days : 3	Dates : 02.09.2020 to 04.09.2020
Funded by :	Management
No. of Participants : 200	Registration charges (if any) : Free
Name and Designation of Resource Person(s) : Dr K M Roopa Professor and Head Department of Mathematics Bangalore Institute of Technology Bangalore.	
Outcome : <ul style="list-style-type: none"> To learn about the Sampling and Average Sampling To understand the concept of applications in the real life situations. 	
Remarks and Feedback on the Event : Participants learnt easy methods of calculation and graph theory.	
<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  CFD Coordinator Dr. A.R. JAYASUDHA Associate Professor / Head Department of Computer Applications Hindusthan College of Engineering and Technology Coimbatore - 641032. </div> <div style="text-align: center;">  Principal PRINCIPAL Hindusthan College of Engineering & Technology COIMBATORE - 641 032 </div> </div>	



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College of Engineering and Technology

DEPARTMENT OF SCIENCE AND HUMANITIES
ORGANIZES
WORKSHOP ON MATLAB

RESOURCE PERSON :
Dr. K. N. RAMESH S. N. S. M. PH.D., POND.
Professor and Head
Dept. of Mathematics
Bangalore Institute of Technology
Bangalore-560076

STREAMING GOOGLE MEET
CLICK HERE
<https://meet.google.com/axhmg-vgqjw-ek>

REGISTRATION LINK
CLICK HERE
<https://forms.gle/8t12x6U112862>

DATE : 02.09.2020 TO 04.09.2020
TIME : 6.00 P.M TO 7.00 P.M

Dr. K.P. Uma
Prof & Head
Dept. of Science and Humanities
Convener

Dr. K. Kavithamani Ass. Prof/Maths
Dr. R. Poornima AP/Maths
Ms. M. Jyothika AP/Maths
Co-ordinators

Shravan S.
1st year Coe Dept.
Student Co-ordinator



Copy of the Participation/Issue Certificate:





Hindusthan
College of Engineering and Technology,
 Coimbatore 641 032.

CENTRE FOR FACULTY DEVELOPMENT
(CFD)

Hindusthan
 College of Engineering and Technology

DEPARTMENT OF SCIENCE AND HUMANITIES
 ORGANIZES
WORKSHOP ON MATLAB

RESOURCE PERSON :
 DR. K. NEERAJA SENE, M.Phil., Ph.D.
 Professor and Head
 Dept. of Mathematics
 Bangalore Institute of Technology
 Bangalore - 560 002

STREAMING GOOGLE MEET
 CLICK HERE
<https://meet.google.com/haqk-ayqj-wk>

REGISTRATION LINK
 CLICK HERE
<https://forms.gle/8S112mCUL7M12>

DATE : 02-09-2020 TO 04-09-2020
TIME : 8:00 P.M TO 7:00 P.M

Dr. K.P. Uma
 Prof & Head
 Dept. of Science and Humanities
 Co-ordinator

Dr. K. Kavitharani, Asst. Prof/Maths
 Dr. R. Poojitha, AP/Maths
 Ms. M. Karthika, AP/Maths
 Co-ordinators

Shravan S.
 11th year Cse Dept.
 Student Co-ordinator



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

Date: 02.09.2020 till 04.09.2020

Chief Guest : Dr K M Roopa

A three day Online Faculty Development Programme on MatLab was successfully conducted by the Centre for Faculty Development in Hindusthan College of Engineering and Technology, Coimbatore from 2nd Sept 2020 till 6th Sept 2020. The objective of the programme is to learn about Sampling and Average Sampling. Also to learn about easy methods of calculation and graph theory and to understand the concept on the applications in real life situations.

Dr K M Roopa, Professor and Head, Department of Mathematics, Bangalore Institute of Technology, inaugurated the session and addressed the gathering.

The screenshot shows a YouTube video player. The video title is "MATLAB Windows". The main content is a table with two columns: "Window" and "Purpose".

Window	Purpose
Command Window	Main window, enters variables, runs programs
Figure Window	Contains output from graphic commands
Editor Window	Creates and debugs script and function files
Help Window	Provides help information
Launch Pad Window	Provides access to tools, demos, and documentation
Command History Window	Logs commands entered in the Command Window
Workspace Window	Provides information about the variables that are used
Current Directory Window	Shows the files in the current directory

Below the table, there is a "WORKSHOP ON MATLAB DAY 1" title and a "54 views • Streamed live on Sep 2, 2020" timestamp. On the right side, there is a "Top chat replay" section with several chat messages, including "Good evening" and "We welcome you to the workshop on MATLAB".

The resource person told the participants that program files can contain code for more than one function. In a function file, the first function in the file is called the main function. This function is visible to functions in other files, or you can call it from the command line.



She also said that the `file_get_contents()` reads a file into a string. This function is the preferred way to read the contents of a file into a string. It will use memory mapping techniques, if this is supported by the server, to enhance performance.



The speaker made the participants aware that there are 17 fundamental classes in MATLAB. Each of these classes is in the form of a matrix or array. The participants made the sessions interactive and the speaker was also very cooperative in clarifying their doubts. The session came to an end with National Anthem.







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Valley Campus, Pollachi Highway, Coimbatore 641 032.

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Report for Faculty Development Programme on Effective Research – Tools, Funding and IPR organized / participated

Name of the Faculty : Dr P Jeyalakshmi	
Department : Mechanical Engineering	Designation : Professor
Name of the Event : National Level Online FDP on Effective Research – Tools, Funding and IPR	
Level :	National
Venue / Mode : Online Google Meet	
No. of Days : 04	Dates : 07.09.2020 – 10.09.2020
Funded by : NIL	
No. of Participants : 60	Registration charges (if any) : NIL
Name and Designation of Resource Person(s) :	
<p>Dr G Geetha, Women Scientist, TIFAC – Chennai. Dr M Mohanraj, Professor – Hindusthan College of Engineering and Technology, Coimbatore Dr S J Vijay, Professor, Karunya Institute of Technology and Science, Coimbatore. Dr A Tamilvanan, Assistant Professor, Kongu Engineering College, Erode.</p>	
Outcome :	
Participants were exposed to the Patenting Procedure, easy obtaining funding process etc.	
<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  CFD Coordinator Dr. A.R. JAYASUDHA Associate Professor / Head Department of Computer Applications Hindusthan College of Engineering and Technology Coimbatore - 641032. </div> <div style="text-align: center;">  Principal PRINCIPAL Hindusthan College of Engineering & Technology, COIMBATORE - 641 032 </div> </div>	



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Department of Mechanical Engineering Organizes National Level Online Faculty Development Programme on **"EFFECTIVE RESEARCH - TOOLS, FUNDING AND IPR"** [07.09.2020 - 10.09.2020]

SPEAKERS

<p style="text-align: center; font-size: 0.8em;">7.09.2020 @ 6.00 - 7.30 PM <i>"Intellectual Property Rights in Academics"</i></p> <div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>Dr.G.Geetha Women Scientist Trainee Technology Information Forecasting and Assessment Council.(TIFAC), Chennai.</p> </div> </div>	<p style="text-align: center; font-size: 0.8em;">8.09.2020 @ 6.00 - 7.30 PM <i>"Guidance on Post Research Work and Journal Publications"</i></p> <div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>Dr.M.Mohanraj Professor Department of Mechanical Engineering Hindusthan College of Engineering and Technology, Coimbatore.</p> </div> </div>
<p style="text-align: center; font-size: 0.8em;">9.09.2020 @ 6.00 - 7.30 PM <i>"Smart Techniques for Getting Funding and Grants"</i></p> <div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>Dr.S.J.Vijay Associate Professor Department of Mechanical Engineering Karunya Institute of Technology and Science, Coimbatore.</p> </div> </div>	<p style="text-align: center; font-size: 0.8em;">10.09.2020 @ 5.30 - 6.30 PM <i>"Journal Reference Management Using Endnote"</i></p> <div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>Dr.A.Tamilvanan Associate Professor Department of Mechanical Engineering Kongu Engineering College, Erode.</p> </div> </div>
<p style="text-align: center; font-size: 0.8em;">10.09.2020 @ 6.30 - 7.30 PM <i>"Effective Paper Writing and Usage Of Research Tools"</i></p> <div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>Dr.C.Samson Jerold Samuel Associate Professor, Department of Mechanical Engineering Sri Krishna College of Engineering and Technology, Coimbatore.</p> </div> </div>	

REGISTRATION LINK



Join free on Google Meet 

CONVENOR

Dr.K.Siva
Professor and Head
Mechanical Engineering

COORDINATORS

Dr.P.Jeyalakshmi
Professor

Mr.P.John Brito
Assistant Professor

Mechanical Engineering

CONTACT
98944 96263 ; 97897 21297

E-Certificates will be provided for all Active Participants



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Department of Mechanical Engineering
Organizes
National Level
Online Faculty Development Programme
on

"EFFECTIVE RESEARCH - TOOLS, FUNDING AND IPR"

[07.09.2020 - 10.09.2020]

SPEAKERS

7.09.2020 @ 6.00 - 7.30 PM

"Intellectual Property Rights in Academics"



Dr. G. Geetha
Women Scientist Trainee
Technology Information
Forecasting and Assessment
Council (TIFAC), Chennai.

8.09.2020 @ 6.00 - 7.30 PM

"Guidance on IPR Research Work and Journal Publications"



Dr. M. Mohanraj
Professor
Department of Mechanical Engineering,
Hindusthan College of Engineering and
Technology, Coimbatore.

9.09.2020 @ 6.00 - 7.30 PM

"Smart Techniques for Getting Funding and Grants"



Dr. S. J. Vijay
Associate Professor
Department of Mechanical Engineering
Karunya Institute of Technology and
Science, Coimbatore.

10.09.2020 @ 5.30 - 6.30 PM

"Journal Relations Management Using Endnote"



Dr. A. Tamilvanan
Associate Professor
Department of Mechanical Engineering
Kongu Engineering College, Erode.

10.09.2020 @ 6.30 - 7.30 PM

"Effective Paper Writing and Usage Of Research Tools"



Dr. C. Samson Jerold Samuel
Associate Professor,
Department of Mechanical Engineering
Sri Krishna College of Engineering
and Technology, Coimbatore.

REGISTRATION LINK



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CONTACT

98944 96263 ; 97897 21297

CONVENOR

Dr. K. Siva
Professor and Head
Mechanical Engineering

COORDINATORS

Dr. P. Jeyalakshmi
Professor

Mr. P. John Brito
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HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY

COIMBATORE – 641 032

CENTRE FOR FACULTY DEVELOPMENT
(*CFD*)

Date: 07.09.2020 till 10.09.2020

Chief Guest : Dr G Geetha

Four days Online Faculty Development Programme on Effective Research – Tools, Funding and IPR was successfully conducted by the Centre for Faculty Development in Hindusthan College of Engineering and Technology, Coimbatore from 7th Sept 2020 till 10th Sept 2020.

Dr G Geetha, Women Scientist Trainee, Technology Information Forecasting and Assessment Council (TIFAC), Chennai addresses the participants online and spoke about **Intellectual Property Rights in Academics**. She told the participants that there are two main types of intellectual property rights (IPR). Copyrights give authors the right to protect their work. It covers databases, reference works, computer programs, architecture, books, technical drawings, and others. By copyrighting one's work, we ensure that others cannot use it without our permission.

Dr M Mohanraj, Professor, Department of Mechanical Engineering, Hindusthan college of Engineering and Technology, Coimbatore spoke about **Guidance on Phd Research Work and Journal Publications**. He gave insight into publishing their works in reputed journal and guided them the importance of following ethics and values in research. He told the participants that Research, education and extension are integral parts of any University system. The reputation of any University depends on quality of research and education. The number of quality publications in peer reviewed reputed journals, their citations and utility of patents are commonly used for such metrics. Higher the number of quality research publications, citations and patents, higher is the academic reputation of the University.

Dr S Vijay, Associate Professor, Department of Mechanical Engineering, Karunya Institute of Technology and Science, Coimbatore spoke about Smart Techniques for getting funding and grants. He gave Top 5 tips for grant proposals,

Top 5 Tips for Successful Grant Proposals

1. Do your homework! Research, research, research. ...
2. Present a logical solution to a problem. ...

3. Convince the funder you know what you're doing. ...
4. Tell the same story in the budget and the proposal narrative. ...
5. Remember that funders are people.

Dr A Tamkilvanan, Associate Professor, Department of Mechanical Engineering, Kongu Engineering College, Erode spoke about Guidance on Ph.d Research Work and Journal Publications.

Dr C Samson Jerald Samuel, Associate Professor, Department of Mechanical Engineering, Sri Krishna college of Engineering and Technology, Coimbatore spoke about Effective Paper Writing and Usage of Research Tools.





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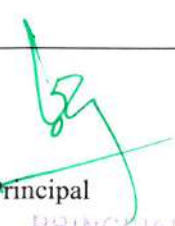
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www.hicet.ac.in

Report for Predictive Analysis and Machine Learning Using R Programming and KNMIE (Phase I) organized / participated

Name of the Faculty : Dr S Shankar	
Department : CSE	Designation : Professor
Name of the Event : Predictive Analysis and Machine Learning Using R Programming and KNMIE (Phase I)	
Level : AICTE Sponsored	National
Venue / Mode : Online Mode	
No. of Days : 6 Days	Dates : 07.02.2022 to 12.09.2022
Funded by : AICTE Sponsored	
No. of Participants : 65	Registration charges (if any) : --
Name and Designation of Resource Person(s) :	
<p>1. Ms Lakshmi S Machine Learning Engineer Cognizant, Dubai, UAE</p> <p>2. Dr Gowtham Ramesh Assistant Professor Department of Computer Science Engineering Amrita School of Engineering Coimbatore.</p>	
Outcome : Participants were equipped with prediction models of Machine Learning.	
 CFD Coordinator	 Principal



DR. A.R. JAYASUDHA
Associate Professor / Head
Department of Computer Applications
Hindusthan College of Engineering and Technology
Coimbatore - 641032.

Hindusthan College of Engineering & Technology
COIMBATORE - 641 032

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All India Council for Technical Education (AICTE)

Sponsored

Six Days Online Short Term Training Programme

On

Predictive Analytics and Machine Learning using R Programming and KNIME

(Phase - I)
Organized by

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

INAGURATION : 07th September, 2020 @ 10.30am



Dr. K. Karunakaran
CEO - Hindusthan Institutions



Dr. S. Annadurai
Advisor



Dr. S. Shankar
HOD - CSE

AGENDA

- 10:00 am - Tamilthai Vazhthu
- 10:03 am - Welcome Address - Dr. S. Shankar, HOD/CSE
- 10:08 am - Presidential Address - Dr. S. Annadurai, Advisor
- 10:13 am - Special Address - Dr.K.Karunakaran, CEO - Hindusthan Institutions
- 10:18 am - About the STTP - Dr.I.Jasmine, Coordinator & Asso. Prof/CSE
- 10:23 am - Intro video about College
- 10:25 am - Vote of Thanks - Prof.M.Revathi, Coordinator & AP/CSE

 Join us **LIVE** on Google Meet



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Dr. K. Karunakaran
CEO - Hindusthan Institutions



Dr. S. Annadurai
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HOD - CSE

AGENDA

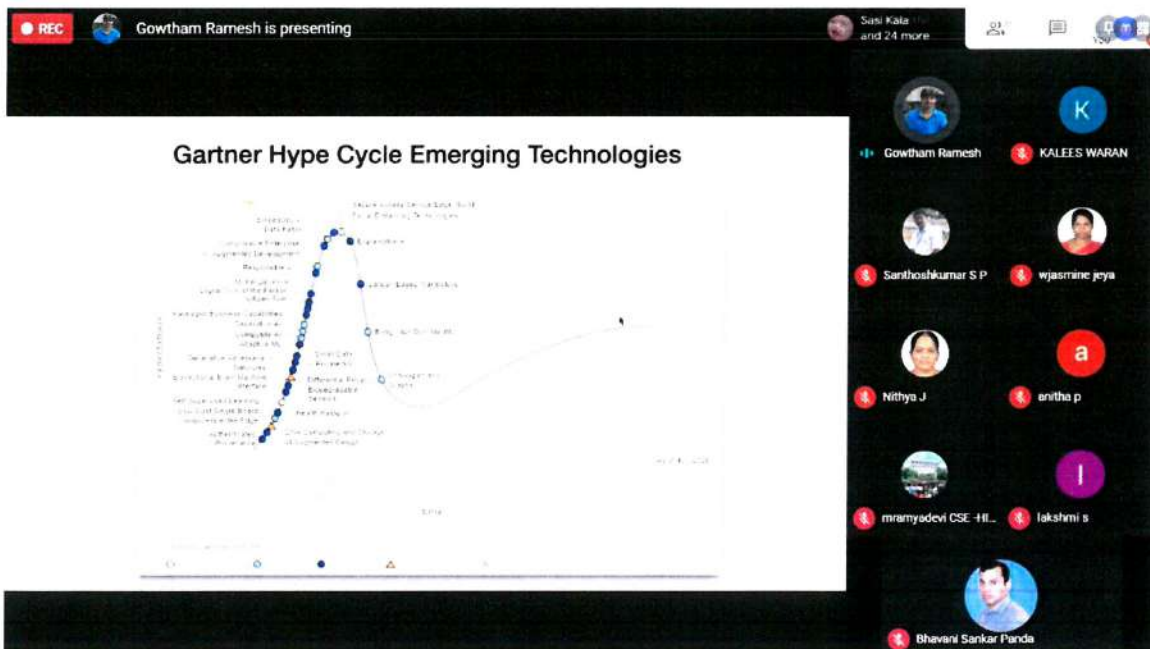
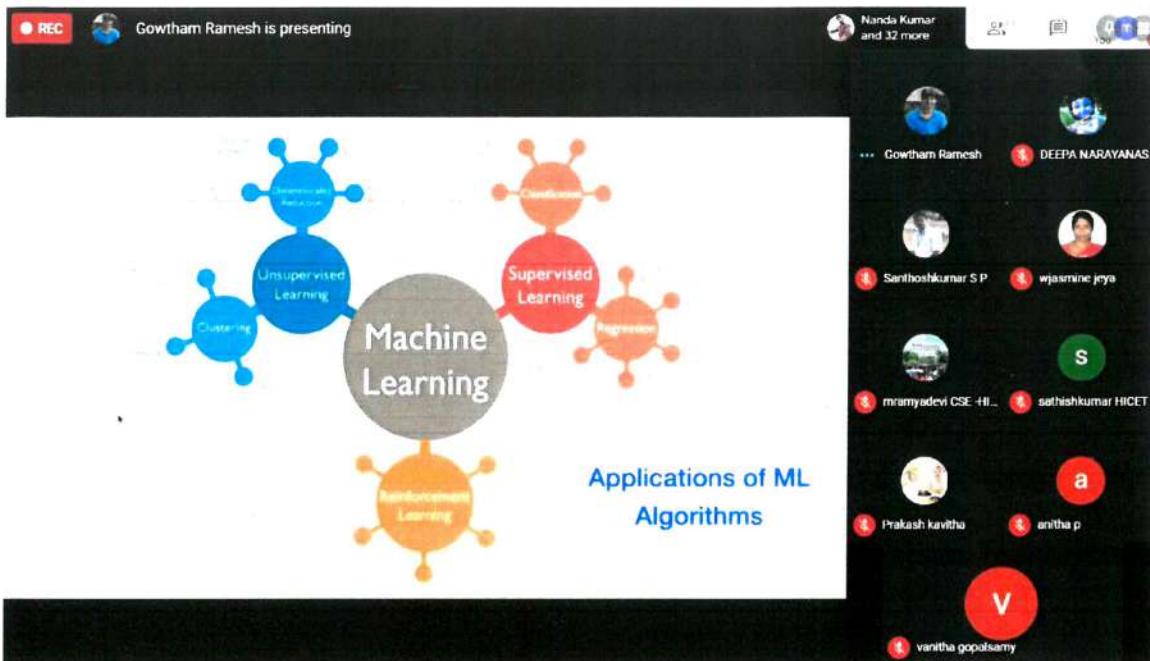
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Geo Tagged Photographs of Event – 2 Nos:





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All India Council for Technical Education (AICTE)

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Six Days Online Short Term Training Programme

On

**Predictive Analytics and Machine Learning
using R Programming and KNIME**

(Phase - I)

Organized by

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

INAGURATION : 07th September, 2020 @ 10.30am



Dr. K. Karunakaran
CEO - Hindusthan Institutions



Dr. S. Annadurai
Advisor



Dr. S. Shankar
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AGENDA

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**CENTRE FOR FACULTY DEVELOPMENT
(*CFD*)**

07th - 12th Sept 2020

Predictive Analytics and Machine Learning using R Programming and KNIME

(Phase 1) (07.09.2020)

- | | |
|--------------------|---|
| 10.30am - 11.00 am | Inauguration |
| 11.00 am - 1.00 pm | ML Strategies, Skill set and Road Map
Ms Lakshmi S
Machine Learning Engineer
Cognizant, Dubai, UAE |
| 2.00 pm - 4.00 pm | Machine Learning and its Applications
Dr Gowtham Ramesh
Assistant Professor
Department of Computer Science Engineering
Amrita School of Engineering
Coimbatore. |



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07th - 12th Sept 2020

Predictive Analytics and Machine Learning using R Programming and KNIME

(Phase 1) (08.09.2020)

- | | |
|---------------------|---|
| 10.30am - 11.00 am | Introduction to AI, ML, Deep Learning and Data Science
Dr S Shankar
Professor & Head
Hindusthan College of Engineering and Technology,
Coimbatore. |
| 11.30 am - 12.30 pm | Key ML Algorithms, Software Requirements
Mr H Rajesh Kumar
Managing Director,
Buzztech Training Institute
Coimbatore. |
| 2.00 pm - 4.00 pm | Bias and Variance, Tune a Model
Mr H Rajesh Kumar
Managing Director,
Buzztech Training Institute
Coimbatore. |



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07th - 12th Sept 2020

Predictive Analytics and Machine Learning using R Programming and KNIME

(Phase 1) (09.09.2020)

10.30am - 11.00 am

Introduction to Regression Model and Classification Models

Dr J Jasmine

Professor & Head

Department of Information Technology

**Hindusthan College of Engineering and Technology,
Coimbatore.**

11.30 am - 12.30 pm

Train Test Split

Mr H Rajesh Kumar

Managing Director,

Buzztech Training Institute

Coimbatore.

2.00 pm - 4.00 pm

ML Libraries Numpy and Pandas

Mr H Rajesh Kumar

Managing Director,

Buzztech Training Institute

Coimbatore.



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07th - 12th Sept 2020

Predictive Analytics and Machine Learning using R Programming and KNIME

(Phase 1) (10.09.2020)

10.30am - 11.00 am	Data Learning Applications Ms S Revathi AssistanProfessor Department of Computer Science and Engineering Hindusthan College of Engineering and Technology, Coimbatore.
11.30 am - 12.30 pm	Introduction to R Programming Dr A Lakshmana Rao Associate Professor, Raghu Engineering College AndhraPradesh
2.00 pm - 4.00 pm	Implementation of Linear Regression Dr A Lakshmana Rao Associate Professor, Raghu Engineering College AndhraPradesh



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07th – 12th Sept 2020

Predictive Analytics and Machine Learning using R Programming and KNIME

(Phase 1) (11.09.2020)

- | | |
|---------------------|---|
| 10.30am – 11.00 am | Implementation of Random Forest Regression
Dr A Lakshmana Rao
Associate Professor,
Raghu Engineering College
AndhraPradesh |
| 11.30 am – 12.30 pm | Classification in Machine Learning
Dr A Lakshmana Rao
Associate Professor,
Raghu Engineering College
AndhraPradesh |
| 2.00 pm – 4.00 pm | Implementation of Naïve Bayes
Dr A Lakshmana Rao
Associate Professor,
Raghu Engineering College
AndhraPradesh |



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07th - 12th Sept 2020

Predictive Analytics and Machine Learning using R Programming and KNIME

(Phase 1) (12.09.2020)

10.30am - 11.00 am	Predictive Analytics Overview, Algorithms in Predictive Analytics Mr Debayan Roy Senior Data Analyst, Research and Development Barclays, Pune.
11.30 am - 12.30 pm	PA in business and Current Market Tools Mr Debayan Roy Senior Data Analyst, Research and Development Barclays, Pune.
2.00 pm - 4.00 pm	Cloud with Machine Learning Mr Santosh Naganathan Director,, CapGemini Tech Services Banglore.

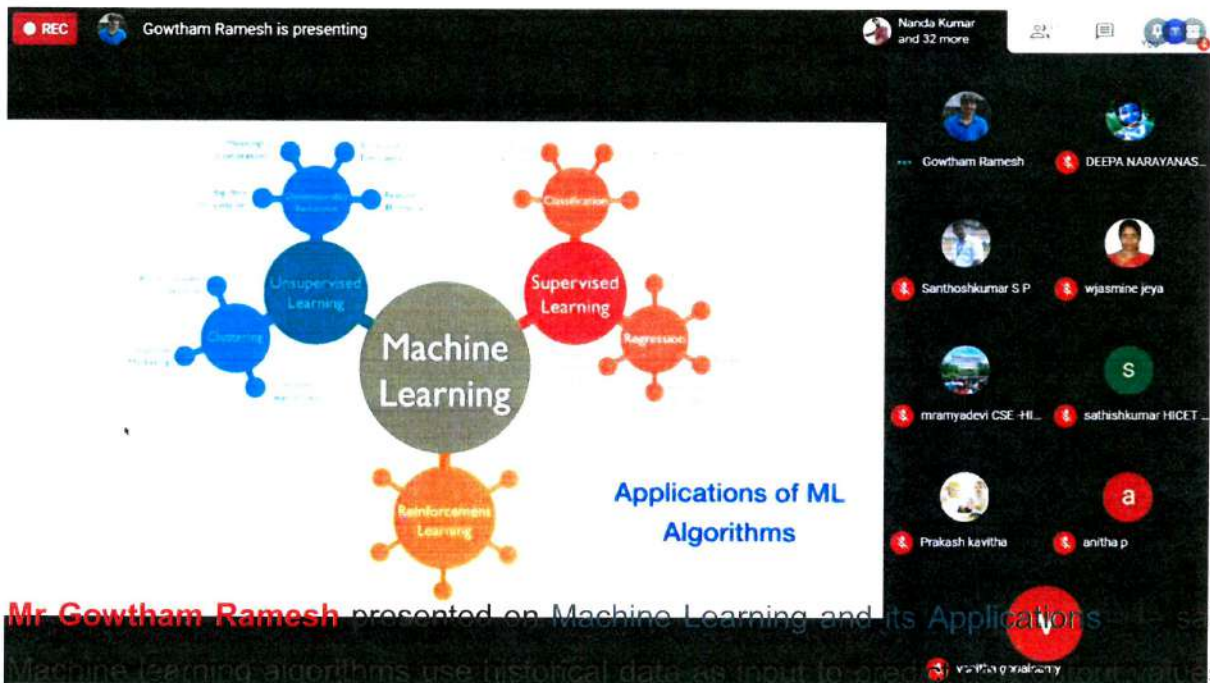


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(CFD)

Date: 07.09.2020 till 12.09.2020

Chief Guest: Mr Gowtham Ramesh

AICTE Sponsored Six days Online Short Term Training Programme on Predictive Analytics and Machine Learning using R Programming and KNIME was successfully conducted by the Centre for Faculty Development in Hindusthan College of Engineering and Technology, Coimbatore from 7th Sept 2020 till 12th Sept 2020.



Mr Gowtham Ramesh presented on Machine Learning and its Applications. He said Machine learning algorithms use historical data as input to predict future outcomes.

Recommendation engines are a common use case for machine learning. Other popular uses include fraud detection, spam filtering, malware threat detection, business process automation (BPA) and Predictive maintenance.



REC Gowtham Ramesh is presenting Sasi Kalal and 24 more

Gartner Hype Cycle Emerging Technologies

The chart displays various emerging technologies such as Quantum Computing, Artificial Intelligence, and Blockchain, each following a similar trajectory through the five phases of the Gartner Hype Cycle.

REC KALEES WARAN
 REC Sarathoshkumar S P wjasmine jeya
 REC Nithya J anitha p
 REC mramyadevi CSE - H... lakshmi s
 REC Bhavani Sanika Panda

The speaker said Gartner Hype Cycles provide a graphic representation of the maturity and adoption of technologies and applications, and how they are potentially relevant to solving real business problems and exploiting new opportunities. Gartner Hype Cycle methodology gives you a view of how a technology or application will evolve over time, providing a sound source of insight to manage its deployment within the context of your specific business goals.

REC A Lakshman is presenting

BIAS ,VARIANCE

Blue dots are training set ,Green dots are testing set

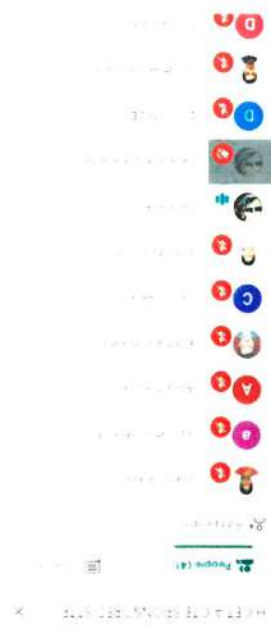
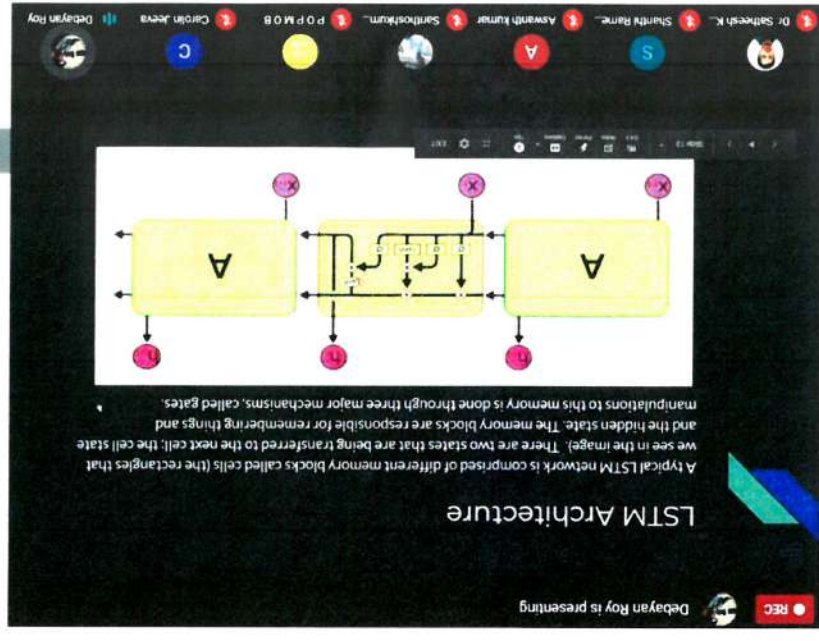
The first thing we do is split the data into two sets, one for training the machine learning algorithms and one for testing them

The inability for a machine learning method (like linear regression) to capture the true relationship is called **bias**

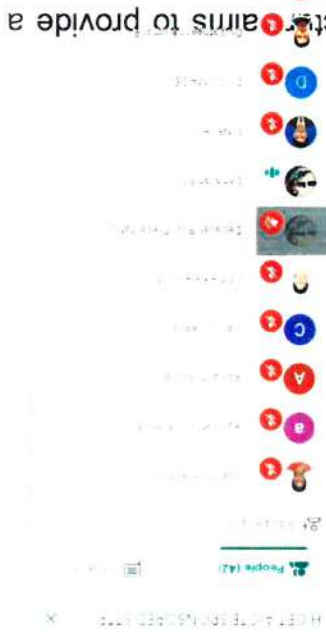
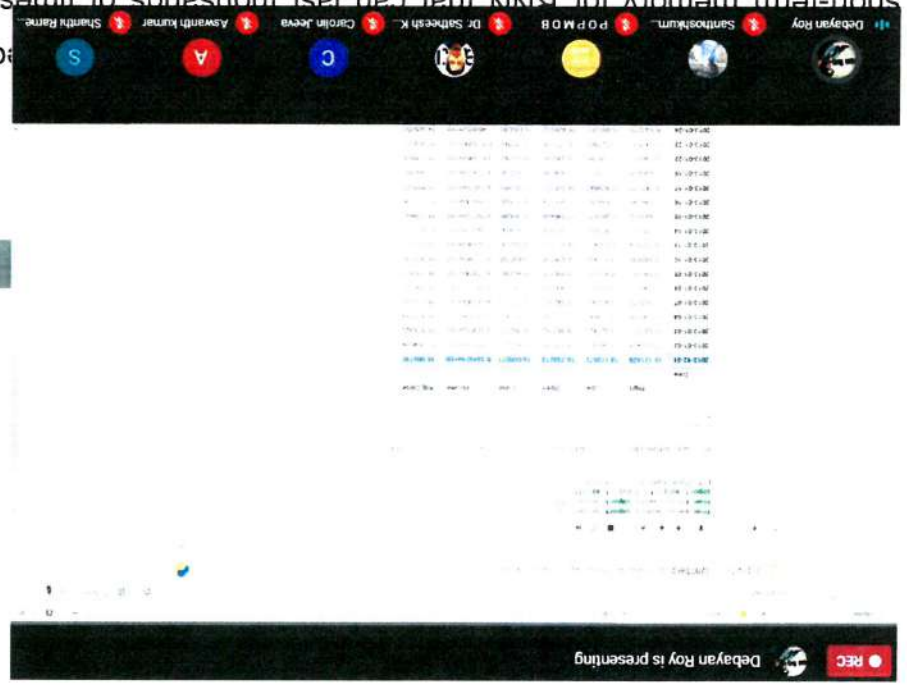
Meeting details
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REC A Lakshman is presenting





Dr Lakshmana Rao said that Machine learning is a branch of Artificial Intelligence, which allows machines to perform data analysis and make predictions. However, if the machine learning model is not accurate, it can make predictions errors, and these prediction errors are usually known as Bias and Variance.



gate and a forget gate.

term memory". A common LSTM unit is composed of a cell, an input gate, an output gate and a forget gate.





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(CFD)



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Othakkalmandapam Post, Coimbatore - 641 032

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Certificate of Participation

This to be certified that _____ has participated and completed successfully Phase II AICTE Sponsored Six Days Online Short Term Training Programme on **"Predictive Analytics and Machine Learning using R Programming and KNIME"** organized by the department of Computer Science and Engineering, Hindusthan College of Engineering and Technology, Coimbatore held during September 21 - 26, 2020.

Dr. I. Jasmine
Coordinator

Dr. S. Shankar
HOD - CSE


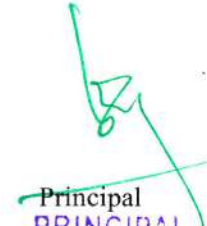
Dr. K. Karunakaran
Principal





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

Report for International Virtual Faculty Development Programme on Sustainable Development and Research Opportunities in Food and Chemical Engineering organized / participated

Name of the Faculty : Dr Jeevarathinam G	
Department : Food Technology	Designation : Assistant Professor
Name of the Event : International Virtual Faculty Development Programme on Sustainable Development and Research Opportunities in Food and Chemical Engineering	
Level : International	
Venue / Mode : Online Mode	
No. of Days : 7 Days	Dates : 05.10.2020 to 11.10.2020
Funded by : NIL	
No. of Participants : 150	Registration charges (if any) : NIL
Name and Designation of Resource Person(s) :	
Dr Balakrishnan M, Associate Professor, Department of Food Process Engineering, Agricultural Engineering college and Research Institute, TNAU Coimbatore.	
Dr Krishnakumar T, Scientist, Division of Crop Utilization, ICAR – Central Tuber Crops Research Institute (CTCRI), Tiruvanathapuram	
Dr Pandiselvam R, Scientist, Physiology, BioChemistry and Post-Harvest Technology, Division, ICAR – Central Plantation Crops Research Institute, Kasaragod	
Outcome :	
The resource persons from various institutes shared their research contribution towards nation in different thrust areas. They also provided a platform for the future scope in food processing and value addition, sustainable development goals and motivated the participants to do research in the areas of novel processing techniques.	
<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  CFD Coordinator </div> <div style="text-align: center;">  Principal PRINCIPAL </div> </div>	



Dr. A.R. JAYASUDHA
 Associate Professor / Head
 Department of Computer Applications
 Hindusthan College of Engineering and Technology
 Coimbatore - 641032.

Hindusthan College of Engineering & Technology
 COIMBATORE - 641 032

Copy of the Event Brochure / Invitation:



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**DEPARTMENT OF FOOD TECHNOLOGY
&
DEPARTMENT OF CHEMICAL ENGINEERING**

One Week Online International Virtual Faculty Development Programme
on

SUSTAINABLE DEVELOPMENT AND RESEARCH OPPORTUNITIES IN
FOOD AND CHEMICAL ENGINEERING

Date

For Registration:



5th October 2020
to
11th October 2020

<https://forms.gle/LL2BjffvCkg7yhtNA>

*No Registration Fee

Objectives

- ▶ To create awareness and understand the research scope in the field of Food and Chemical Engineering
- ▶ To find the future research directions in the field of Food and Chemical Engineering

Instructions to Participants

- ▶ Participants can register through the google form using the link provided above or using QR code
- ▶ Online IVFDP will be conducted through "Google Meet"
- ▶ E-Certificates will be provided to the all the active participants in each and every session
- ▶ Join the meeting 5 mins prior to the session starts
- ▶ Meeting link will be provided to you via email and WhatsApp

Convener	Organizing Secretary	Coordinators
<p>Dr Seenuvasan M Professor and Head Department of Food Technology & Chemical Engineering</p>	<p>Dr Jeevarathinam G Assistant Professor Department of Food Technology</p>	<p>Ms Induja P Assistant Professor (Chemical Engineering) Contact no.: +91 8072418006. Mr Dillwyn S Assistant Professor (Food Technology) Contact no.: +91 9500943346</p>





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One Week Online International Virtual Faculty Development Programme on

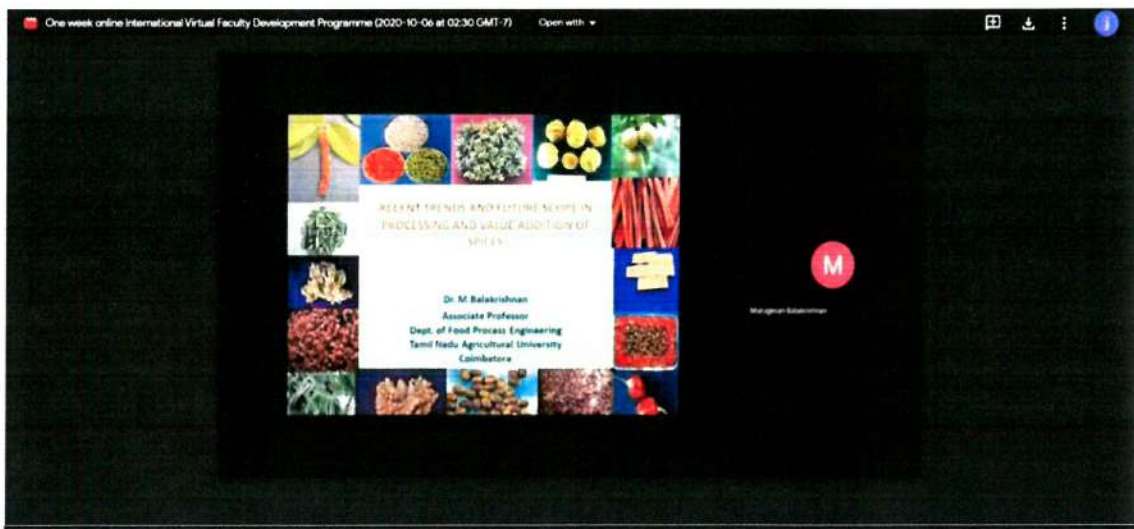
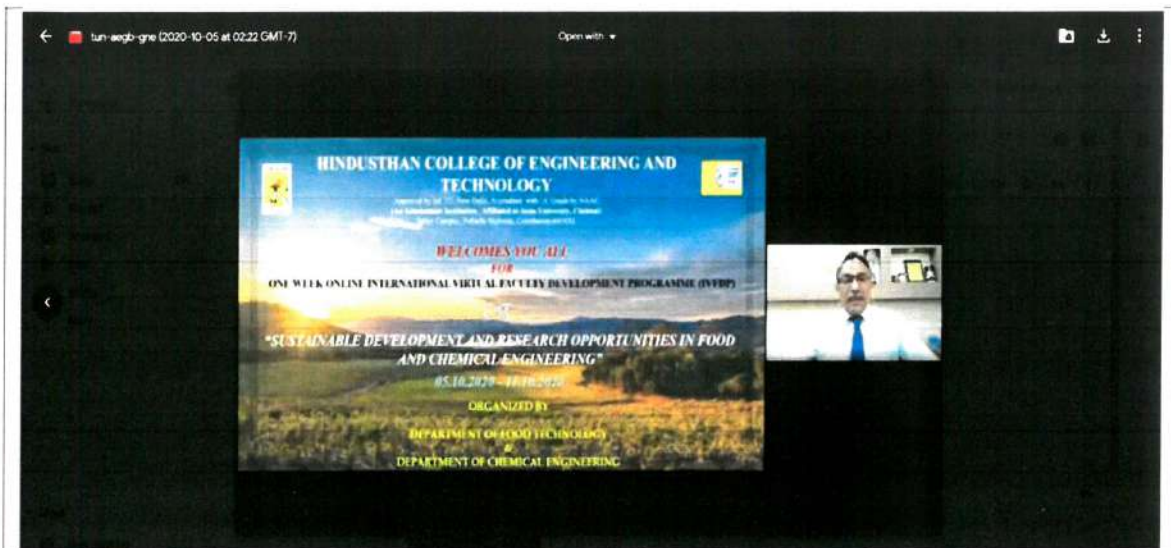
Sustainable Development and Research Opportunities in Food and Chemical Engineering

Program Schedule

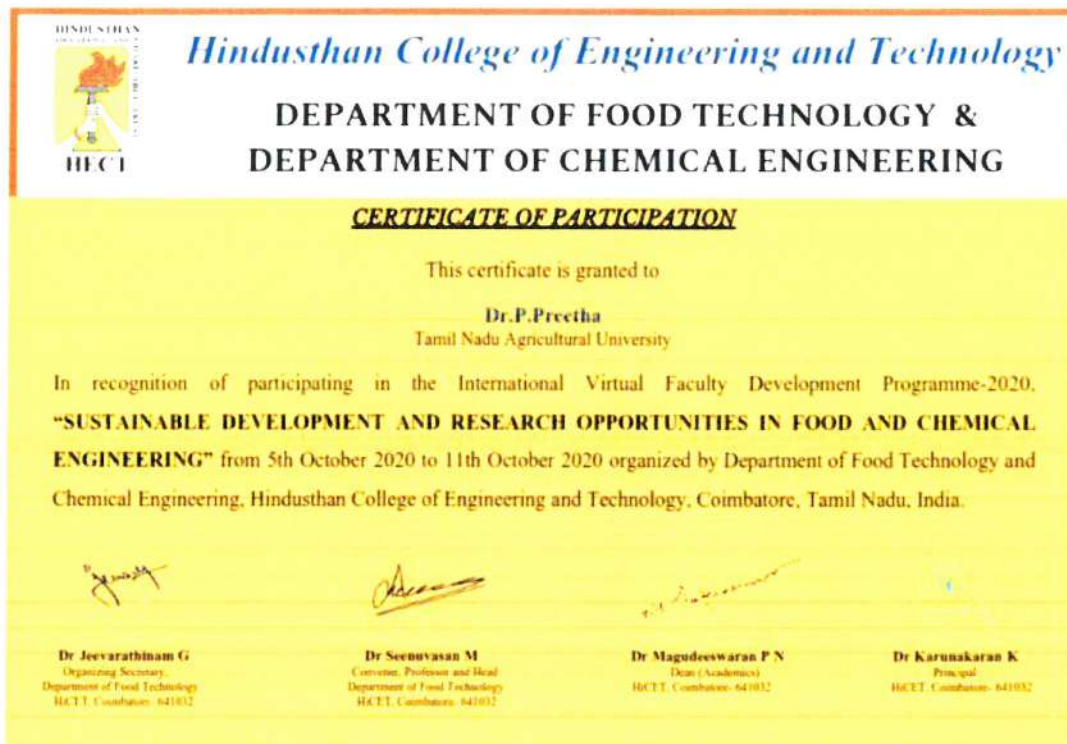
Details of the Speakers	Title	Date & Time
DAY - 1		
 <p>Dr. Balakrishnan M. Associate Professor Department of Food Process Engineering, Agricultural Engineering College & Research Institute (TNAU), Coimbatore</p>	Recent Trends and Future Scope in Processing and Value Addition of Spices	05.10.2020 3.00-4.00 pm
DAY - 2		
 <p>Dr. Krishnakumar I. Scientist Division of Crop Utilization ICAR - Central Tuber Crops Research Institute (CTCRI), Steekathuram, Thiruvananthapuram</p>	Post-Harvest Processing and Value Addition in Tuber Crops	06.10.2020 3.00-4.00 pm
DAY - 3		
 <p>Dr. Pandiselvam R. Scientist Physiology, Biochemistry and Post Harvest Technology, Division ICAR - Central Plantation Crops Research Institute, Karsaragod</p>	Entrepreneurship Oriented to Advanced Food Processing Technologies Current Trends and Prospects	07.10.2020 3.00-4.00 pm
 <p>Dr. Kaliramesh Siliveru Assistant Professor Department of Grain Science & Industry, Kansas State University, 209 Shellenberger Hall, 1301 Muld Campus Drive, Manhattan, KS</p>	Advancing Grain Processing Technologies - Considering Safety and Sustainability	07.10.2020 5.00-6.00 pm



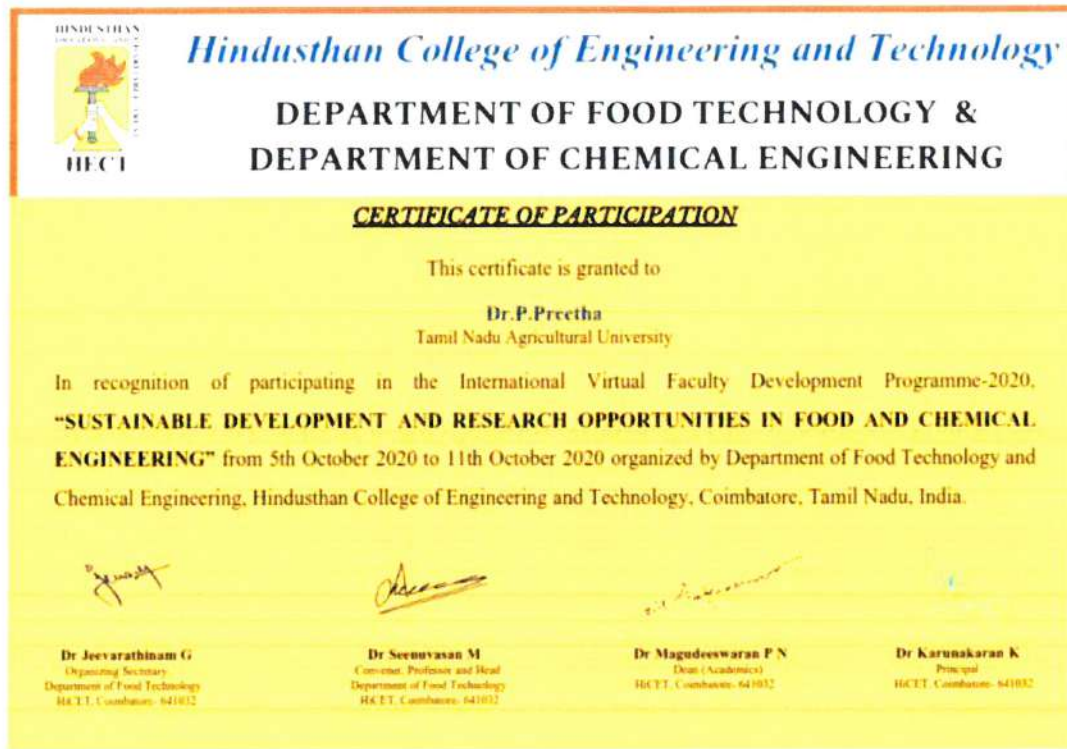
Geo Tagged Photographs of Event – 2 Nos:



Copy of the Participation Certificate:



Copy of the Participation Certificate:





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**DEPARTMENT OF FOOD TECHNOLOGY
&
DEPARTMENT OF CHEMICAL ENGINEERING**

**One Week Online International Virtual Faculty Development Programme
on**

**SUSTAINABLE DEVELOPMENT AND RESEARCH OPPORTUNITIES IN
FOOD AND CHEMICAL ENGINEERING**

Date

**5th October 2020
to
11th October 2020**

For Registration:

<https://forms.gle/LL2BjffvCkg7yhtNA>

***No Registration Fee**



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Convener

Dr Seenuvasan M
Professor and Head
Department of Food Technology &
Chemical Engineering

Organizing Secretary

Dr Jeevarathinam G
Assistant Professor
Department of Food Technology

Coordinators

Ms Induja P
Assistant Professor (Chemical Engineering)
Contact no.: +91 8072418006

Mr Dillwyn S
Assistant Professor (Food Technology)
Contact no.: +91 9500943346



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One Week Online International Virtual Faculty Development Programme on

Sustainable Development and Research Opportunities in Food and Chemical Engineering

Program Schedule

Details of the Speakers	Title	Date & Time
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DAY - 3		
 Dr. Pandiselvam R Scientist Physiology, Biochemistry and Post Harvest Technology Division ICAR - Central Plantation Crops Research Institute, Kasaragod	Entrepreneurship Oriented to Advanced Food Processing Technologies Current Trends and Prospects	07.10.2020 3.00-4.00 pm
 Dr. Kaliramesh Siliveru Assistant Professor Department of Grain Science & Industry, Kansas State University 209 Shellenberger Hall, 1301 Mid Campus Drive, Manhattan, KS	Advancing Grain Processing Technologies - Considering Safety and Sustainability	07.10.2020 5.00-6.00 pm



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One Week Online International Virtual Faculty Development Programme
on

Sustainable Development and Research Opportunities in Food and Chemical Engineering

Program Schedule

Details of the Speakers	Title	Date & Time
DAY - 4		
 Dr. (Bala) Balasubramaniam V M Professor Food Engineering Food Safety Engineering Laboratory Center for Clean Food Process Technology, CIAS Department of Food Science and Technology & Department of Food Ag. Biological Engineering Editor-in-Chief, Journal of Food Process Engineering Fyffe Court, Columbus, OH, USA	Food Engineering for Healthy and Sustainable Food Systems	08.10.2020 4.30-5.30 pm
DAY - 5		
 Dr. Anjineyulu Kothakota Scientist Agro-Processing & Technology Division CSIR-National Institute for Interdisciplinary Science and Technology (NIIST), Trivandrum, Kerala	Research Scope and Entrepreneurs Opportunities in Agriculture Waste Based Biodegradable Products for Environmental Protection	09.10.2020 2.30-3.30 pm
 Dr. Raja T Professor Department of Chemical Engineering Engineering Department Salalah College of Technology Salalah, Sultanate of Oman, Oman	Trends in Evaporation Process in Chemical Industries	09.10.2020 3.30-4.30 pm



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One Week Online International Virtual Faculty Development Programme
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Sustainable Development and Research Opportunities in Food and Chemical Engineering

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One Week Online International Virtual Faculty Development Programme
on

Sustainable Development and Research Opportunities in Food and Chemical Engineering

Program Schedule

Details of the Speakers	Title	Date & Time
DAY 6		
 Dr Mishra N N Director Ingenuum Naturae Pvt Ltd, India Adjunct Professor, Dept of Engg Dalhousie University, Canada	Next Gen - Advanced Oxidation Processes for Clean Water and Food in India	10.10.2020 3.00-4.00 pm
 Dr Sivamani Selvaraju Lecturer Chemical Engineering Section Engineering Department, Salalah College of Technology Salalah, Sultanate of Oman	Chemical Process Modelling and Optimization Techniques	10.10.2020 4.00-5.00 pm
DAY 7		
 Dr Suresh Pandian E Assistant Professor Department of Environmental Science and Engineering Indian Institute of Technology (Indian School of Mines) Dhanbad Jharkhand	Role of Power Plants and Transportation towards Environmental Sustainability	11.10.2020 3.30-4.30 pm
 Dr Padmesh TVN Associate Professor School of Chemical Engineering Mampl International University Nilai, Malaysia	Research towards Sustainable Development Goals	11.10.2020 4.30-5.30 pm



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

S.No.	Name and designation of the speaker	Title of the speaker	Date	Time
1	Dr.M.Balakrishnan	Recent trends and future scope in processing and value addition of spices	05.10.2020	3-4 pm
2	Dr.T.Krishnakumar	Post-harvest processing and value addition in tuber crops	06.10.2020	3-4 pm
3	Dr. R. Pandiselvam	Entrepreneurship-Oriented to Advanced Food Processing Technologies - Current Trends and Prospects	07.10.2020	3-4 pm
4	Dr.KalirameshSiliveru	Advancing Grain Processing Technologies: Considering Safety and Sustainability	07.10.2020	5-6 pm
5	Dr. V.M. (Bala) Balasubramaniam	Food Engineering for Healthy and Sustainable Food Systems	08.10.2020	4.30-5.30 pm
6	Dr.AnjineyuluKothakota	Research Scope and entrepreneurs' opportunities in agricultures waste based biodegradable products for environmental protections	09.10.2020	2.30-3.30 pm
7	Dr.T.Raja	Trends in evaporation process in chemical industries	09.10.2020	3.30-4.30 pm



8	Dr. N.N. Mishra	Next gen advanced oxidation processes for clean water and food in India	10.10.2020	3-4 pm
9	Dr.SivamaniSelvaraju	Chemical Process Modelling and Optimization Techniques	10.10.2020	4-5 pm
10	Dr. Anil Kumar M	Environment monitoring and assessment	11.10.2020	3.30-4.30 pm
11	Dr.TVN. Padmesh	Research towards Sustainable development goals	11.10.2020	4.30-5.30 pm



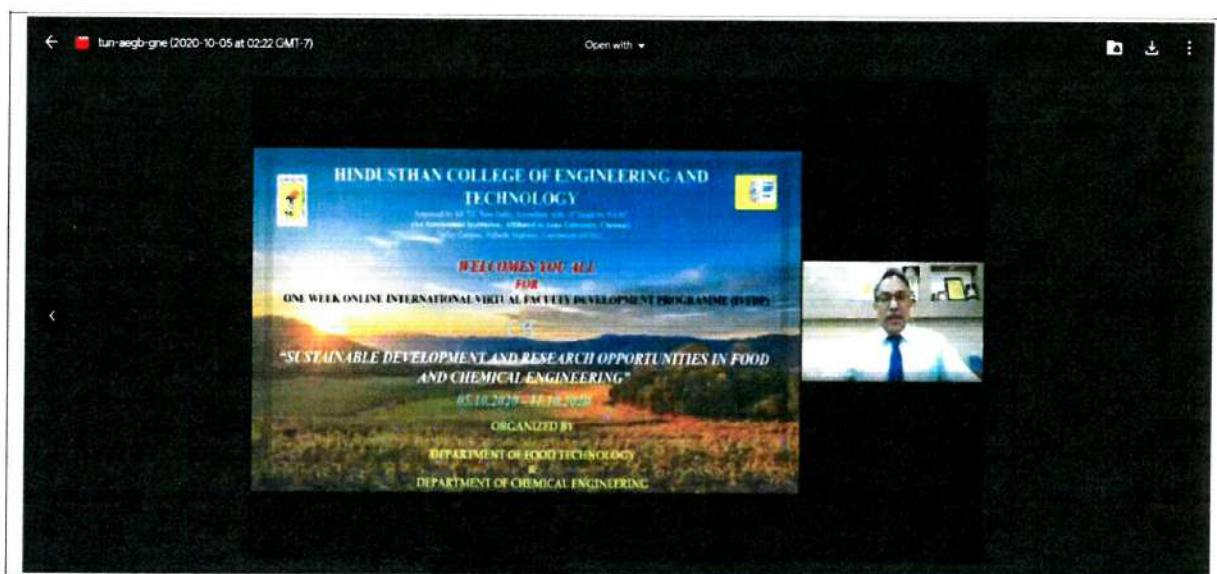
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COIMBATORE – 641 032

CENTRE FOR FACULTY DEVELOPMENT
(CFD)

Date: 05.10.2020 till 11.10.2020

Chief Guest: Dr Balakrishnan M

An International Virtual Faculty Development Programme on Sustainable Development and Research Opportunities in Food and Chemical Engineering was successfully conducted by the Centre for Faculty Development in Hindusthan College of Engineering and Technology, Coimbatore from 05th October 2020 till 11th October 2020.



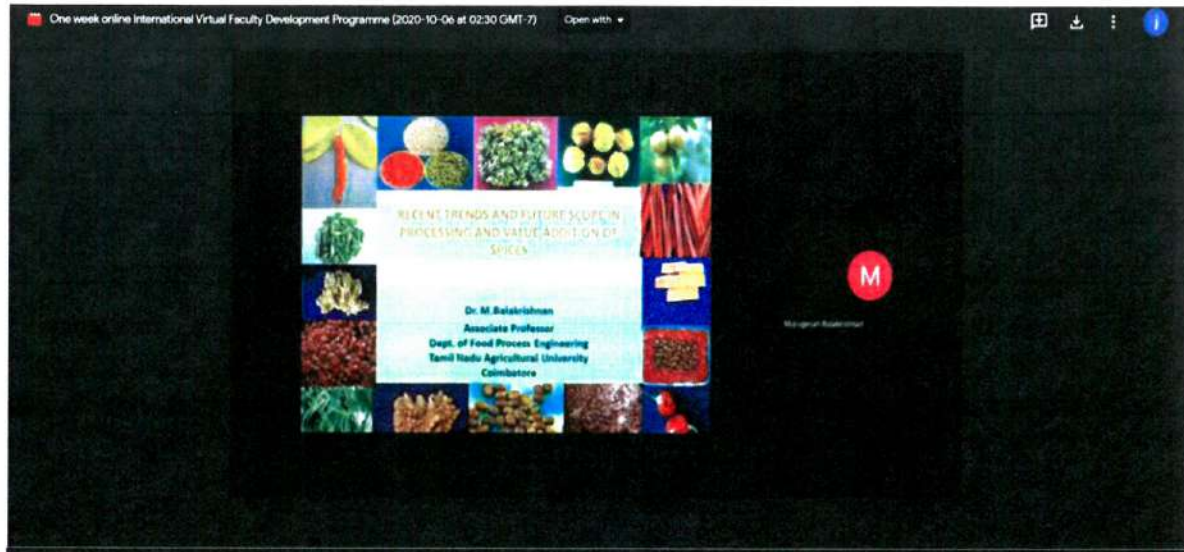
Dr Balakrishnan M, Associate Professor, Department of Food Process Engineering, Agricultural Engineering college and Research Institute, TNAU Coimbatore addressed the gathering on Recent Trends and Future Scope in Processing and Value Addition of Spices.

Dr Krishnakumar T, Scientist, Division of Crop Utilization, ICAR – Central Tuber Crops Research Institute (CTCRI), Tiruvanathapuram addressed the gathering on Post – Harvest Processing and Value addition in Tuber Crops.

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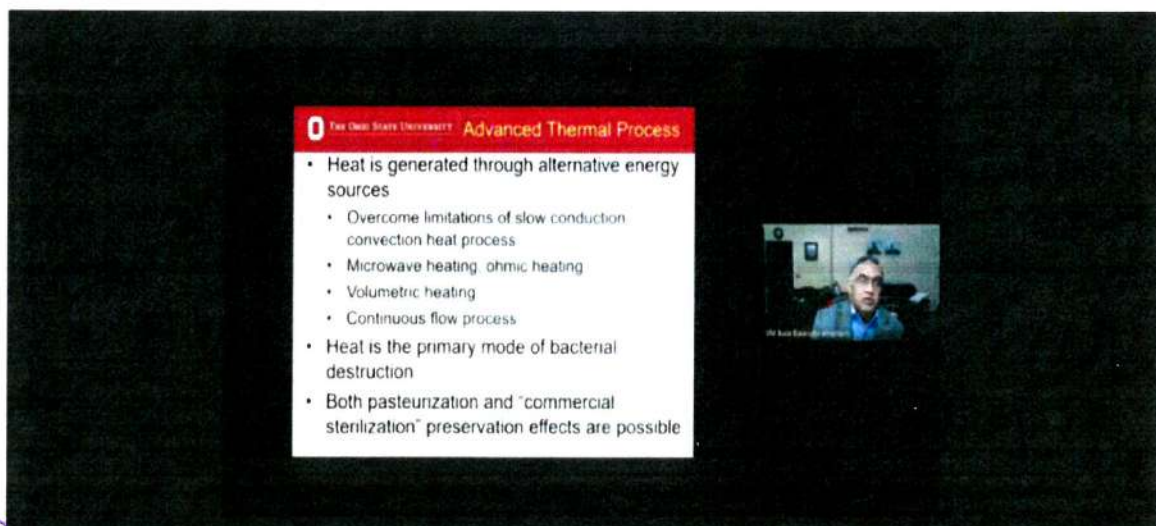


Dr Kaliramesh Siliveru, Assistant Professor, Department of Grain Science & Industry, Kansas State University, Manhattan addresses the participants on **Advancing Grain Processing Technologies: Considering Safety and Sustainability**



Dr Balasubramaniam V M Professor, Food Engineering, Food Safety Engineering laboratory addressed the participants on **Food Engineering for Healthy and Sustainable Food Systems.**

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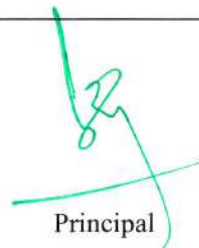
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Report for AICTE Sponsored STTP on "Potential and Challenges for Integrating 5G Networks and Iot Applications in Smart City Environment" organized / participated

Name of the Faculty : Dr Jasmine Selva Kumar Jeya	
Department : CSE	Designation : Associate Professor
Name of the Event : Potential and Challenges for Integrating 5G Networks And Iot Applications In Smart City Environment	
Level : National	
Venue / Mode : Online Mode	
No. of Days : 6 Days	Dates : 30.11.2020 to 05.12.2020
Funded by : AICTE	
No. of Participants : 98	Registration charges (if any) : NIL
Name and Designation of Resource Person(s) : Mr Korath Mathew IT and e-Governance Consultant for Smart City, Kochi Dr. Amrita Mishra Assistant Professor International Institute of Information Technology, Chhattisgarh Dr. Samar Shailendra Scientist/TCS Networks Lab and Visiting Faculty in International Institute of Information Technology Bangalore Bengaluru	
<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  CFD Coordinator </div> <div style="text-align: center;">  Principal </div> </div>	

Dr. A.R. JAYASUDHA

Associate Professor / Head
Department of Computer Applications
Hindusthan College of Engineering and Technology
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COIMBATORE - 641 032






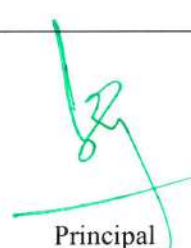
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 CFD Coordinator	 Principal

Dr. A.R. JAYASUDHA

Associate Professor / Head

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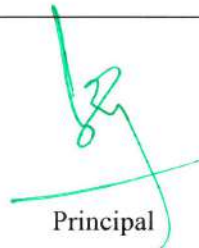
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Funded by : AICTE	
No. of Participants : 98	Registration charges (if any) : NIL
Name and Designation of Resource Person(s) : Mr Korath Mathew IT and e-Governance Consultant for Smart City, Kochi Dr. Amrita Mishra Assistant Professor International Institute of Information Technology, Chhattisgarh Dr. Samar Shailendra Scientist/TCS Networks Lab and Visiting Faculty in International Institute of Information Technology Bangalore Bengaluru	
<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  CFD Coordinator </div> <div style="text-align: center;">  Principal </div> </div>	

Dr. A.R. JAYASUDHA

Associate Professor / Head
 Department of Computer Applications
 Hindusthan College of Engineering and Technology
 Coimbatore - 641032.



Hindusthan College of Engineering & Technology,
 COIMBATORE - 641 032



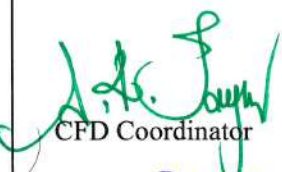
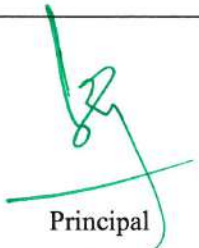
Hindusthan

College of Engineering and Technology,

Valley Campus, Pollachi Highway, Coimbatore 641 032.

www.hicet.ac.in

Report for AICTE Sponsored STTP on "Potential and Challenges for Integrating 5G Networks and Iot Applications in Smart City Environment" organized / participated

Name of the Faculty : Dr Jasmine Selva Kumar Jeya	
Department : CSE	Designation : Associate Professor
Name of the Event : Potential and Challenges for Integrating 5G Networks And Iot Applications In Smart City Environment	
Level : <input type="checkbox"/> International <input checked="" type="checkbox"/> National <input type="checkbox"/> State / Regional / Industry <input type="checkbox"/> University <input type="checkbox"/> College Level	
Venue / Mode : Online Mode	
No. of Days : 6 Days	Dates : 30.11.2020 to 05.12.2020
Funded by : AICTE	
No. of Participants : 98	Registration charges (if any) : NIL
Name and Designation of Resource Person(s) : Mr Korath Mathew IT and e-Governance Consultant for Smart City, Kochi Dr.Amrita Mishra Assistant Professor International Institute of Information Technology, Chhattisgarh Dr.Samar Shailendra Scientist/TCS Networks Lab and Visiting Faculty in International Institute of Information Technology Bangalore Bengaluru	
<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  Dr. A.R. JAYASUDHA Associate Professor / Head Department of Computer Applications Hindusthan College of Engineering and Technology Coimbatore - 641032. </div> <div style="text-align: center;">  Principal PRINCIPAL Hindusthan College of Engineering & Technology, COIMBATORE - 641 032 </div> </div>	






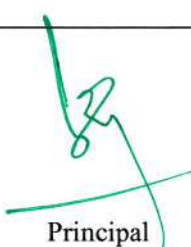
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Report for AICTE Sponsored STTP on "Potential and Challenges for Integrating 5G Networks and Iot Applications in Smart City Environment" organized / participated

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Department : CSE	Designation : Associate Professor
Name of the Event : Potential and Challenges for Integrating 5G Networks And Iot Applications In Smart City Environment	
Level : International National State Regional Industry University College Level	
Venue / Mode : Online Mode	
No. of Days : 6 Days	Dates : 30.11.2020 to 05.12.2020
Funded by : AICTE	
No. of Participants : 98	Registration charges (if any) : NIL
Name and Designation of Resource Person(s) : Mr Korath Mathew IT and e-Governance Consultant for Smart City, Kochi Dr.Amrita Mishra Assistant Professor International Institute of Information Technology, Chhattisgarh Dr.Samar Shailendra Scientist/TCS Networks Lab and Visiting Faculty in International Institute of Information Technology Bangalore Bengaluru	
<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  Dr. A.R. JAYASUDHA Associate Professor / Head Department of Computer Applications Hindusthan College of Engineering and Technology Coimbatore - 641032. </div> <div style="text-align: center;">  Principal PRINCIPAL Hindusthan College of Engineering & Technology, COIMBATORE - 641 032 </div> </div>	






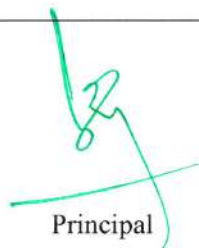
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Report for AICTE Sponsored STTP on "Potential and Challenges for Integrating 5G Networks and Iot Applications in Smart City Environment" organized / participated

Name of the Faculty : Dr Jasmine Selva Kumar Jeya	
Department : CSE	Designation : Associate Professor
Name of the Event : Potential and Challenges for Integrating 5G Networks And Iot Applications In Smart City Environment	
Level : National	
Venue / Mode : Online Mode	
No. of Days : 6 Days	Dates : 30.11.2020 to 05.12.2020
Funded by : AICTE	
No. of Participants : 98	Registration charges (if any) : NIL
Name and Designation of Resource Person(s) : Mr Korath Mathew IT and e-Governance Consultant for Smart City, Kochi Dr.Amrita Mishra Assistant Professor International Institute of Information Technology, Chhattisgarh Dr.Samar Shailendra Scientist/TCS Networks Lab and Visiting Faculty in International Institute of Information Technology Bangalore Bengaluru	
 CFD Coordinator	 Principal

Dr. A.R. JAYASUDHA

Associate Professor / Head

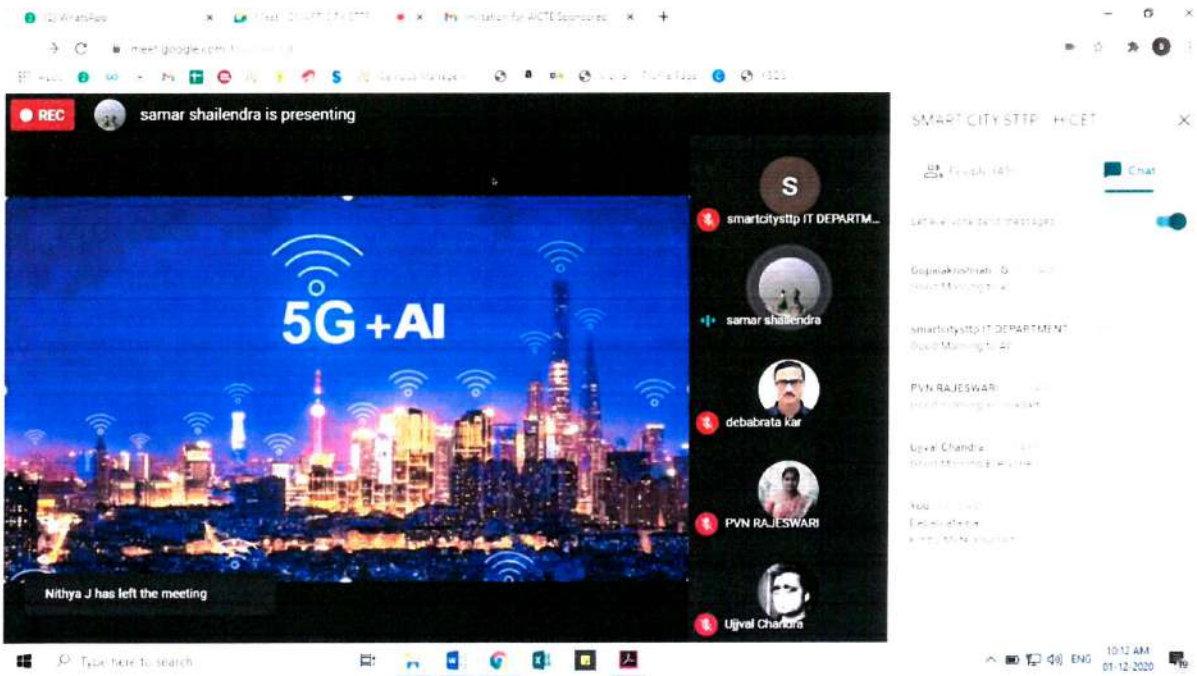
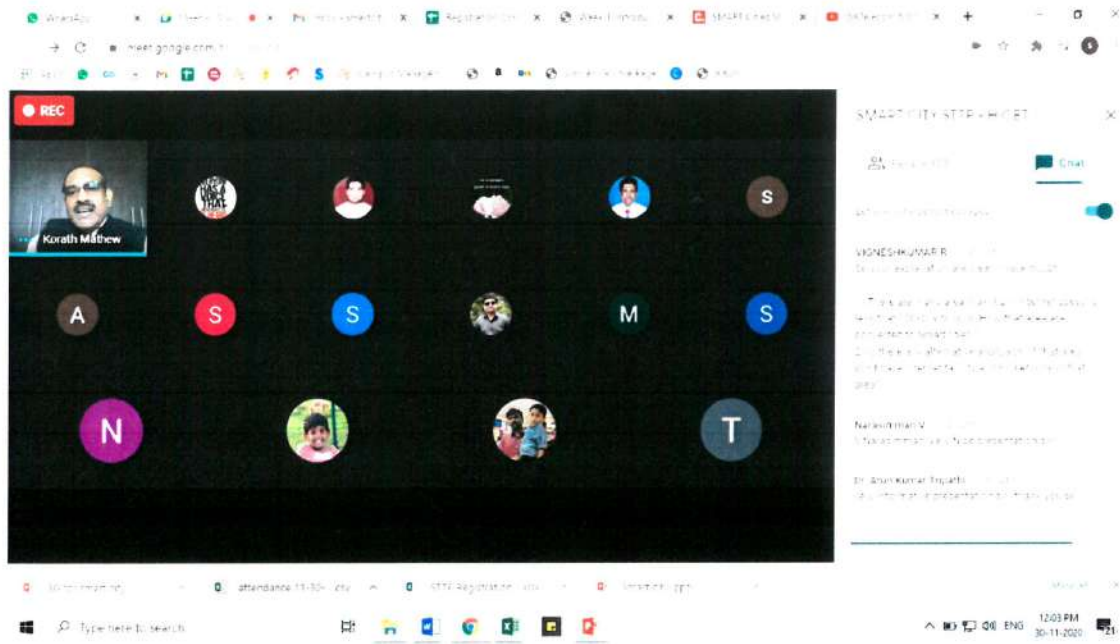
Department of Computer Applications

Hindusthan College of Engineering and Technology
Coimbatore - 641032.

Hindusthan College of Engineering & Technology,
COIMBATORE - 641 032



Geo Tagged Photographs of Event – 2 Nos:

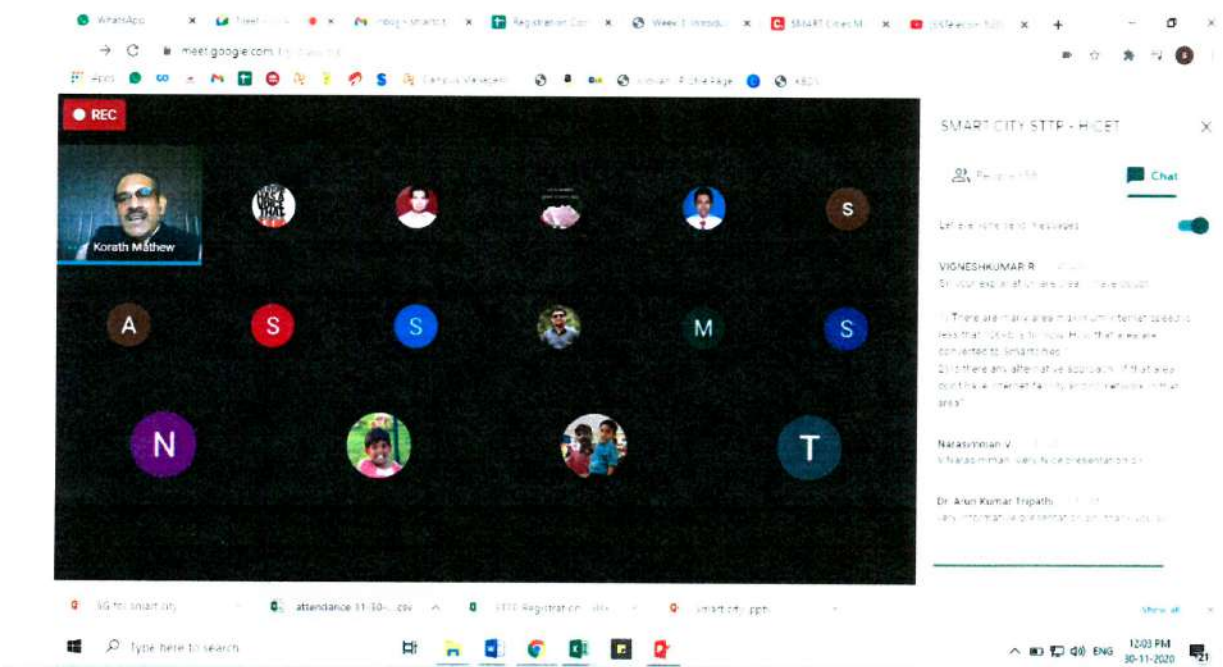


HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE – 641 032
CENTRE FOR FACULTY DEVELOPMENT
(CFD)

Date: 30.11.2020 till 05.12.2020

Chief Guest : Mr Korath Mathew

The Training Program was started with the Session by Mr.Korath Mathew, about the Use Cases of Smart City. He explained about the need of Smart City Environment and the recent technologies involved in the Projects of Smart City. He has discussed with the Participants about the developments in Foreign Countries about Waste Management, Traffic Management and Automation, Recycling of Waste Water with the emerging technology in the field of Smart City Development.



The Session 2 was handled by Dr.Amritha about the Applications and Challenges of IoT in 5G Wireless Communication. She explained about the Working of IoT Devices in different Application Areas. Following to that she elaborated how 5G Technology in involved in IoT Device Communication. By this Session Participants knew the relation between 5G and IoT



Why 5G + IoT will work?

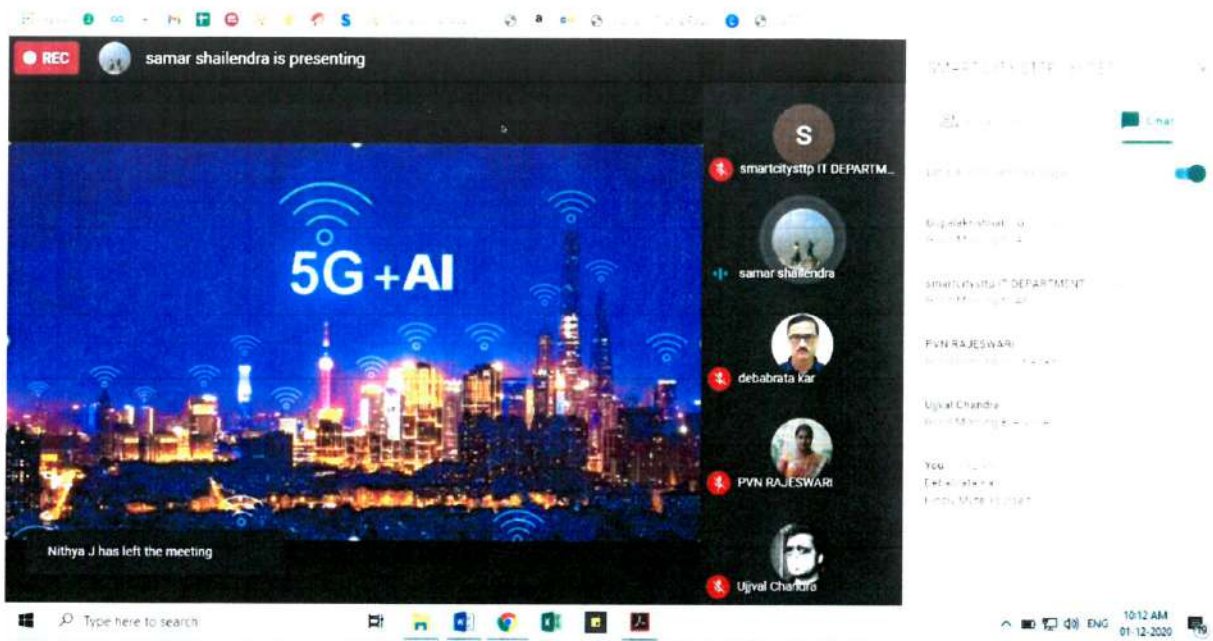
- The key features of 5G technology are high-data transfer rates, wide network coverage, low latency, etc.
- In addition, the next-generation network based on 5G technology is more capable of integrating computing capability into communication and provides smart services.
- More scalable, flexible and intelligent than the previous generation technology, and can better meet the needs of future Internet of Things.

A

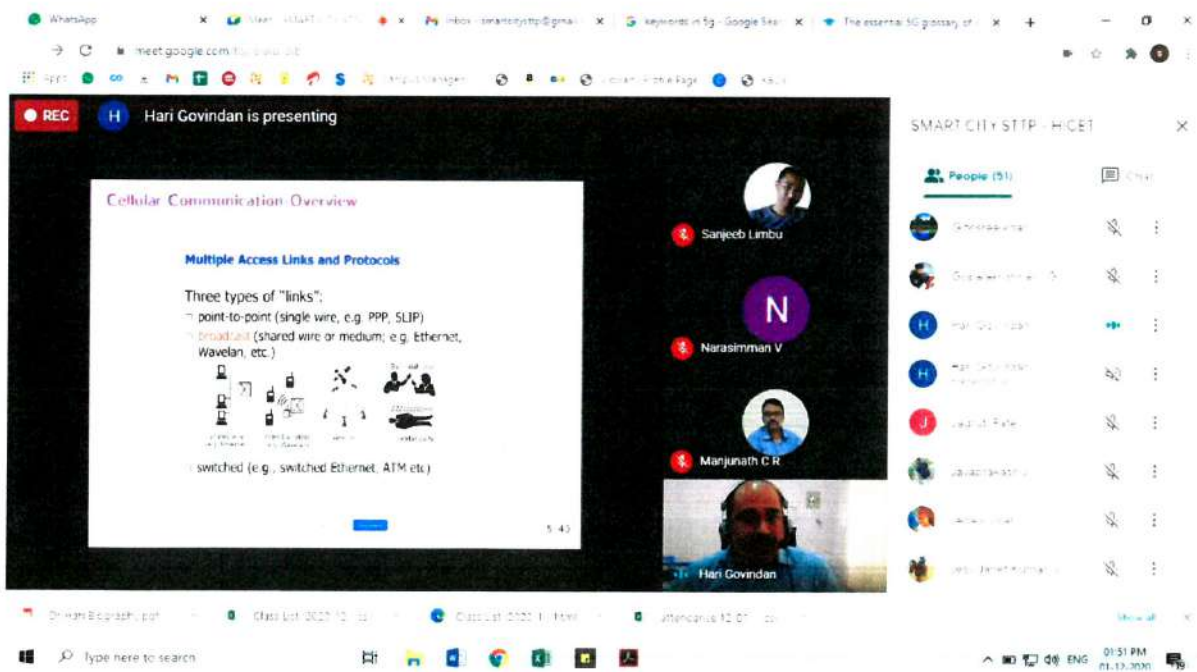
Amrita Mishra

Session 3 of this Program was interesting about how AI impacts 5G Communication. In this Session the Speaker elaborated about the fusion of 5G and AI in IoT Devices. He started with the Evolution of 5G and IoT Components. He described the Architecture of 5G and its components. He also discussed about the Role of AI in 5G Communication in a diversified manner which made the Participants to get Attracted with his Session. This Session was made very Interactive among the Participants. At last the Session ended with few Q and A Session for few Minutes.





Session 4 was handled by Dr.Harigovind about NOMA in 5G Communications. Since NOMA is the latest topic in 5G, Dr.Harigovind gave an Initiative Idea about NOMA Technologies and discussed Few Ideas to Proceed Research with NOMA. He covered Downlink NOMA, Uplink NOMA, Cooperative NOMA and its Future Direction towards Research Aspects in NOMA. The Session content was entirely new to the Participants and they learnt many new things about this technology and gave Very Good Feedback to the Speaker for Sharing his Knowledge among the Peer Community.



Session 5 of this STTP was handled by Dr.Amrita. One of the most important Topic of 5G Communication is mm Wave. She started her Session with an Introduction



about the Communication Protocols in 5G and little bit about NOMA Technologies. Proceeds to that he has given a deep lecture on mmWave, its Applications and the Communication Terminologies in Wireless Communication. Dr.Amrita spoke about the Cognitive Radio and Interference Management in 5G Communications.

REC A Amrita Mishra is presenting

mmWave applications

- Cellular networks : 5G Picocells, Wireless Backhaul
- Wireless LANs: IEEE 802.11ad, IEEE 802.15.3c, ECMA-387, Wireless-HD

Virtual Reality

Wireless Data Centers

Connected Vehicles

- Enable high rate low latency connections to clouds that permit remote driving of vehicles through new mmWave vehicle-to-infrastructure applications
- mmWave is also of interest for high speed wearable networks that connect cell phone, smart watch, augmented reality glasses, and virtual reality headsets

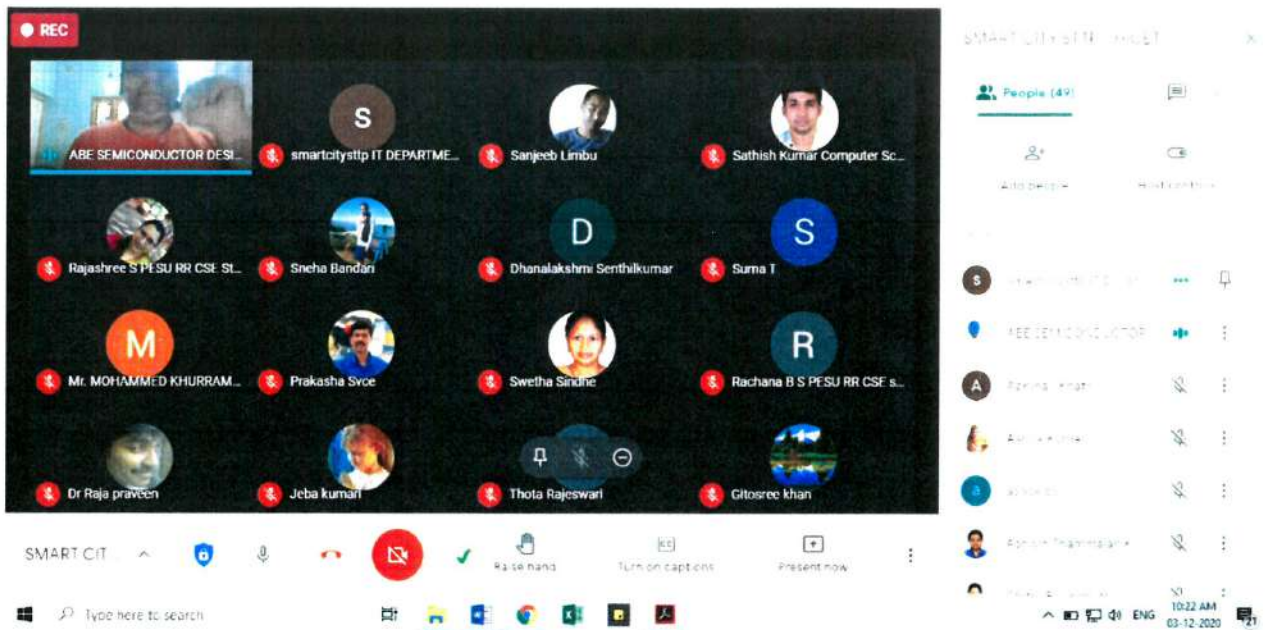
Participants: Amrita Mishra, K. P. SINGH, Sanjeeb Limbu, saikarth tola, Thota Rajeswari

Meeting ID: 828 618 828 | Date: 02-12-2020 | Time: 10:19 AM

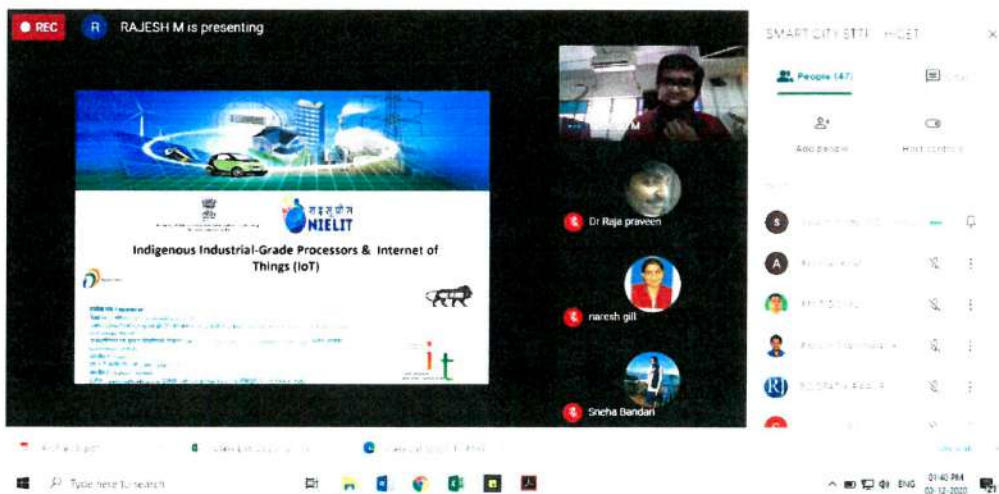
Session 6 Speaker Ms Pavithra concentrated on Vehicle to Vehicle Connectivity and Explained various Terminologies into it. She explained about Vehicle to Everything using Wireless Communication, she gave many live Examples in Traffic Management and Spoke about Automation Cars and other Vehicles. She discussed about how to choose the Right Technology for V2X and Delivered Broad Range of Driving Safety Features

Dr.Athif Shah an Expert in the field of AI, ML, IoT and in most of the recent field in Information and Communication Technology. He excellently handled his Session which was based on how AI is Involved in all Automation Field like Smart City Development , Vehicular Communication, Smart Agriculture, Smart Home Applications, Smart Mobiles etc. He was an expert in explaining the Content with an ease to the Participants in his own style which made the Session very interesting and very interactive too..





Mr Rajesh the Scientist in NIEIT, is working many Projects on Swadeshi, the Processor made by India. He deeply explained about the various configuration of the Processors involed in the fiold of IOT related to Smart Cisy development. He also Provided many real time projects in with this Processor and demonstrated the working of Swadeshi Processor.





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Report for Additive Manufacturing organized / participated

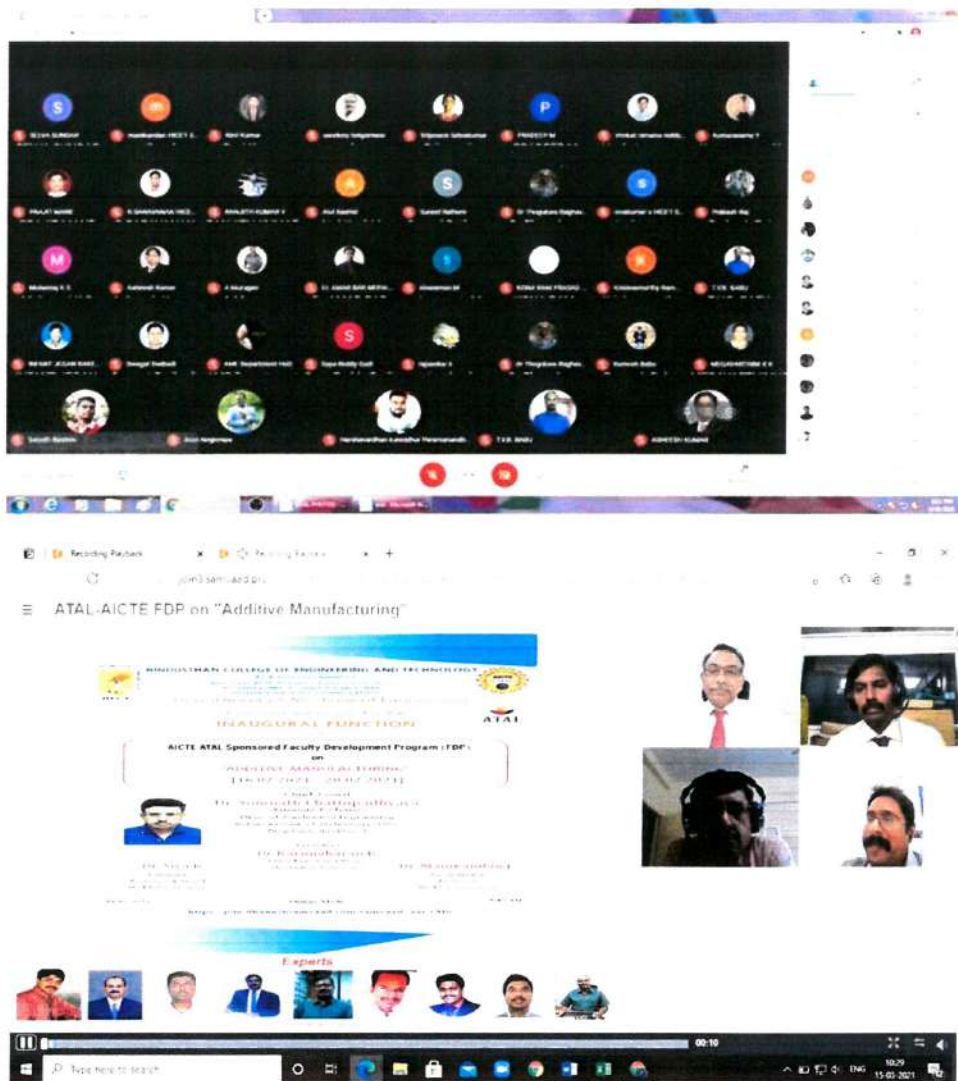
Name of the Faculty : Dr K Siva	
Department : Mechanical Engineering	Designation : Professor
Name of the Event : AICTE-ATAL Sponsored Five Days Faculty Development Program on Additive Manufacturing	
Level :	National /
Venue / Mode :	Online Mode
No. of Days : 5 Days	Dates : 16.02.2021 to 20.02.2021
Funded by : AICTE	
No. of Participants : 96	Registration charges (if any) : NIL
<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  CFD Coordinator </div> <div style="text-align: center;">  Principal PRINCIPAL </div> </div>	

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

Hindusthan College of Engineering & Technology
COIMBATORE - 641 032





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www.hicet.ac.in

Report for STTP on HVAC Systems- Types, Design, Energy conservation Measures and Applications organized / participated

Name of the Faculty : Dr Jeyalakshmi	
Department : Mechanical Engineering	Designation : Associate Professor
Name of the Event : STTP on HVAC Systems- Types, Design, Energy conservation Measures and Applications	
Level : National	
Venue / Mode : Online Mode	
No. of Days : 6 Days	Dates : 22.03.2021 to 27.03.2021
Funded by : AICTE	
No. of Participants : 80	Registration charges (if any) : NIL
Name and Designation of Resource Person(s) :	
Mr G Senthil Raj President – ISHRAE Coimbatore Chapters	
Dr M Mohanraj, Professor, Hindusthan College of Engineering and Technology, Coimbatore.	
Mr. S. Raja, Immediate Past President, ISHRAE Coimbatore Chapters	
Outcome :	
HVAC fundamentals and recent trends were discussed in detail.	
<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  CFD Coordinator Dr. A.R. JAYASUDHA Professor & Head Department of Computer Applications Hindusthan College of Engineering & Technology </div> <div style="text-align: center;">  Principal Hindusthan College of Engineering & Technology, COIMBATORE - 641 032 </div> </div>	

Department of Computer Applications
 Hindusthan College of Engineering & Technology



Hindusthan College of Engineering & Technology,
 COIMBATORE - 641 032

**HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE – 641 032**

**CENTRE FOR FACULTY DEVELOPMENT
(*CFD*)**

Date: 16.02.2021 till 20.02.2021

Five Days AICTE – ATAL sponsored Faculty Development Programme on Additive Manufacturing was successfully conducted by the Centre for Faculty Development in Hindusthan College of Engineering and Technology, Coimbatore from 16th February 2021 till 20th February 2021.



Additive manufacturing is the process of creating an object by building it one layer at a time. It is the opposite of subtractive manufacturing, in which an object is created by cutting away at a solid block of material until the final product is complete.

VAT Photo polymerisation.

Vat polymerisation uses a vat of liquid photopolymer resin, out of which the model is constructed layer by layer. ...

Material Jetting. ...

Binder Jetting. ...

Material Extrusion. ...

Powder Bed Fusion. ...



Sheet Lamination. ...

Directed Energy Deposition


☰ ATAL-AICTE FDP on Additive Manufacturing

The screenshot shows a Zoom meeting interface. On the left, a presentation slide is displayed. The slide is titled "INAUGURAL FUNCTION" and "AICTE ATAL Sponsored Faculty Development Program (FDP) on ADDITIVE MANUFACTURING [16-02-2021 - 20-02-2021]". It lists the Chief Guest as Dr. Nagesh Chaitanya, the Inaugurators as Dr. Ramesh Babu and Dr. Manjunath, and the Organizing Committee members as Dr. Suresh, Dr. Anand, and Dr. Manjunath. Below the slide, there is a row of small profile pictures labeled "Experts". On the right side of the Zoom window, four participants are visible in their respective video feeds. At the bottom of the Zoom window, a black bar shows the meeting ID "911 111 111" and the time "00:0".

Additive color mixing is what happens when lights of different wavelengths are mixed. When we add all of the different wavelengths of sunlight, we see white light rather than many individual colors. It is called additive because all of the wavelengths still reach our eyes.




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Coimbatore - 641032



Department of Mechanical Engineering

in association with
ISHRAE COIMBATORE CHAPTER
Organizes







NATIONAL LEVEL ONLINE SHORT TERM TRAINING PROGRAMME

on

HVAC Systems -Types, Design, Energy Conservation Measures and Applications

March 22 , 2021 - March 27 , 2021


Resource Persons

 <p>Heating, Ventilation and Air Conditioning Systems Mr. G. Senthil Raj President, ISHRAE Coimbatore Chapter. March 22, 2021 @ 6.30 PM</p>	 <p>Energy Conservation in HVAC Systems Dr. M. Mohanraj Professor/Mechanical Engineering Hindusthan College of Engineering and Technology. March 23, 2021 @ 6.30 PM</p>	 <p>Evaporative Cooling in Textile Industry Mr. S. Raju Immediate Past President, ISHRAE Coimbatore Chapter. March 24, 2021 @ 6.30 PM</p>
 <p>Solar Cooling Technologies Dr. C.P. Jawahar Past President (SY 2018-19), ISHRAE Coimbatore Chapter. March 25, 2021 @ 6.30 PM</p>	 <p>Evolution of Building Management Systems Mr. Sekar Ram Proprietor, Sigma Solutions Coimbatore. March 26, 2021 @ 6.30 PM</p>	 <p>Desiccant Dehumidification Assisted Air Conditioning System Dr. D.B. Jani Professor/Mechanical Engineering Gujarat Technological University. March 27, 2021 @ 6.30 PM</p>

Faculty Advisor Mr. P. John Peter	Coordinators Dr. D. Jayalakshmi Ms. K. Siva Krishna	Convener Dr. K. Siva RQP, Mechanical Engineering	Patron Dr. K. Karunakaran CEO and Principal
---	---	---	--

Registration
For ISHRAE Members
Free!
For Non-ISHRAE Members
Rs. 50/-

Scan to Register



Click to Register
<https://forms.gle/2Pm3Dm3kVhV629m3>
Contact
07807211207 ; 9804400283 ;
9843828080

E-CERTIFICATE
will be provided
for all the active
participants



Copy of the Participation/Issue Certificate:



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Coimbatore - 641032.



CERTIFICATE OF PARTICIPATION

This is to certify that
Mr. SAYAN ROY
Haldia institute of technology

has actively participated in the National Level Online Short Term Training Programme on "HVAC Systems - Types, Design, Energy Conservation Measures and Applications" organized by the Department of Mechanical Engineering in association with Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE) Coimbatore Chapter from 22/03/2021 to 27/03/2021.



 _____ MR. P. JOHN BRITTO FACULTY ADVISOR	 _____ MR. K. SIVAKUMAR COORDINATOR	 _____ DR. P. JEYALAKSHMI COORDINATOR	 _____ DR. K. SIVA HOD, MECHANICAL ENGINEERING
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HVAC Systems - Types, Design, Energy Conservation Measures and Applications

March 22, 2021 - March 27, 2021

Resource Persons



Heating, Ventilation and Air
Conditioning Systems

Mr. C. Senthil Raj
President,
ISHRAE Coimbatore Chapter,
March 22, 2021 @ 6.30 PM



Energy Conservation in HVAC
Systems

Dr. M. Mohanraj
Professor/Mechanical Engineering
Hindusthan College of Engineering
and Technology,
March 23, 2021 @ 6.30 PM



Evaporative Cooling in Textile
Industry

Mr. S. Raju
Immediate Past President,
ISHRAE Coimbatore Chapter,
March 24, 2021 @ 6.30 PM



Solar Cooling Technologies

Dr. C.P. Jawahar
Past President (2016-19),
ISHRAE Coimbatore Chapter,
March 25, 2021 @ 9.30 PM



Evolution of Building
Management Systems

Mr. Sekar Ram
Proprietor,
Sigma Solutions Coimbatore,
March 26, 2021 @ 6.30 PM



Desiccant Dehumidification
Assisted Air Conditioning System

Dr. D.B. Jani
Professor/Mechanical Engineering
Gujarat Technological University,
March 27, 2021 @ 6.30 PM

Faculty Advisor
Mr. P. John Datta

Coordinator
Dr. D. Jayalakshmi,
Ms. K. Sivakumar

Organizer
Dr. K. Siva
HOD, Mechanical Engineering

Patron
Dr. K. Karunakaran
CEO and Principal

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0789721207 ; 9894498283 ;
9843826080

E-CERTIFICATE
will be provided
for all the active
participants.



HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY

COIMBATORE – 641 032

CENTRE FOR FACULTY DEVELOPMENT
(CFD)

Date: 22.03.2021 till 27.03.2021

Chief Guest : Mr C Senthil Raj

National Level Online Short Term Training Programme on HVAC Systems – Types, Design, Energy Conservation Measures and Applications was successfully conducted by the Centre for Faculty Development in Hindusthan College of Engineering and Technology, Coimbatore from 22nd March 2021 till 27th March 2021.

Mr C Senthil Raj, President, ISHRAE Coimbatore Chapter, spoke on **Heating, Ventilation and Air Conditioning System**. He told the participants that the main purposes of a Heating, Ventilation and Air-Conditioning (HVAC) system are to help maintain good indoor air quality (IAQ) through adequate ventilation with filtration and provide thermal comfort. HVAC systems are among the largest energy consumers in schools.

Dr M Mohanraj, Professor, Department of Mechanical Engineering, Hindusthan College of Engineering and Technology, delivered content on **Energy Conservation in HVAC Systems**. He told the participants that for air conditioning systems, the measures include selecting the right temperature [no overcooling or overheating], minimizing the space for air conditioning and closing of dampers / grills for areas where air conditioning is not required.

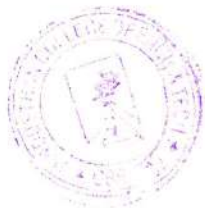
Mr S Raju, Immediate past President, ISHRAE Coimbatore Chapter, spoke on **Evaporative cooling in textile industry**. He told the participants that the Industrial Air Cooler which is also called as Evaporative Air Cooler is required to make hot air into naturally cooled Air which is not at all harmful for humans. It helps Humans to maintain their body temperature which is getting hotter from industrial machineries, crowded environment etc.

Dr C P Jawahar, past President ISHRAE Coimbatore Chapter, delivered a lecture on **Solar Cooling Technologies**. A solar cooling system collects solar power and uses it in a thermally driven cooling process which is in turn used to decrease and



control the temperature for purposes like generating chilled water or conditioning air for a building.



Mr Sekar Ram, Proprietor, Sigma Solutions, Coimbatore spoke on **Evolution of Building Management Systems**. He told that participants that there are two main types of BMSs. The first is a centralized BMS, which uses one control unit to manage all of the battery cells in the system. The second type of BMS is a distributed BMS, which uses multiple control units to manage the battery cells in the system.





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Report for Six days STTP on innovative tools for mathematics organized / participated

Name of the Faculty : M Kiruthika	
Department : Science & Humanities	Designation : Assistant Professor
Name of the Event : Six days STTP on innovative tools for mathematics	
Level : National	
Venue / Mode : Online Mode	
No. of Days : 6 Days	Dates : 03.05.2021 to 08.05.2021
Funded by : Management	
No. of Participants : 270	Registration charges (if any) : NIL
Name and Designation of Resource Person(s) :	
<ul style="list-style-type: none"> • Dr V Parthipan, AP Vellore Institute of Technology, Chennai. • Dr Ramya, AP, Hindusthan College of Engineering and Technology, Coimbatore • Dr K Binoy Balan, Professor and Head, Ahalia School of Engineering, Palakkad. • Mr S Ganesh, Graduate Teacher in Mathematics, Kialriyam, Tiruvarur. 	
Outcome :	
Good Exposure to tools for Mathematics.	
<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  Dr. A.R. JAYASUDHA Professor & Head Department of Computer Applications Hindusthan College of Engineering & Technology </div> <div style="text-align: center;">  Principal PRINCIPAL Hindusthan College of Engineering & Technology, COIMBATORE - 641 032 </div> </div>	

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DEPARTMENT OF SCIENCE AND HUMANITIES ORGANIZES

SIX DAYS STTP ON INNOVATIVE TOOLS FOR MATHEMATICS

<p style="text-align: center;">Day 1</p> <div style="display: flex; justify-content: space-between;">  <div style="text-align: center;"> <p>Dr. V. PARTHIBAN Assistant Professor Mathematics Division School of Advanced Sciences VIT University, Chennai Campus Tamil Nadu</p> </div>  </div> <p style="text-align: center;">TOPIC : SOFTWARE TOOLS FOR MATHEMATICAL EDUCATION DATE : 03.05.2021 TIME : 3.00 P.M</p>	<p style="text-align: center;">Day 4</p> <div style="display: flex; justify-content: space-between;">  <div style="text-align: center;"> <p>Dr. S. GANESH Graduate Teacher in Mathematics PUM School, Kiluvam, Tiruvannamalai Tamil Nadu</p> </div>  </div> <p style="text-align: center;">TOPIC : DEASIFIABLE MATH WITH GEX GEXRA DATE : 06.05.2021 TIME : 3.00 P.M</p>
<p style="text-align: center;">Day 2</p> <div style="display: flex; justify-content: space-between;">  <div style="text-align: center;"> <p>Dr. J. RAMYA Assistant Professor, Dept. of EEE Hindusthan College of Engineering and Technology, Valley Campus, Pollachi, Tamil Nadu, Coimbatore</p> </div>  </div> <p style="text-align: center;">TOPIC : MATHEMATICS THROUGH MATLAB DATE : 04.05.2021 TIME : 10.30 A.M</p>	<p style="text-align: center;">Day 5</p> <div style="display: flex; justify-content: space-between;">  <div style="text-align: center;"> <p>Dr. S. DHANASEKAR Assistant Professor Mathematics Division School of Advanced Sciences, VIT University, Chennai Campus, Tamil Nadu</p> </div>  </div> <p style="text-align: center;">TOPIC : DOCUMENTATION THROUGH LATEX DATE : 07.05.2021 TIME : 3.00 P.M</p>
<p style="text-align: center;">Day 3</p> <div style="display: flex; justify-content: space-between;">  <div style="text-align: center;"> <p>Dr. K. BINAYABAN Professor and Head Department of Science and Humanities Alpha School of Engineering and Technology, Pollachi, Kerala</p> </div>  </div> <p style="text-align: center;">TOPIC : USE OF MAXIMA TOOL IN MATHEMATICAL PROBLEMS DATE : 05.05.2021 TIME : 3.00 P.M</p>	<p style="text-align: center;">Day 6</p> <div style="display: flex; justify-content: space-between;">  <div style="text-align: center;"> <p>Dr. S. DIVYA RAJAN Faculty of Information Technologies (Mathematics Section) UNIVERSITY OF TECHNOLOGY AND APPLIED SCIENCES, AL MUDUNNA SULTANATE OF OMAN</p> </div> </div> <p style="text-align: center;">TOPIC : R - PROGRAMMING DATE : 08.05.2021 TIME : 3.00 P.M</p>

E-CERTIFICATE WILL BE PROVIDED TO ALL PARTICIPANTS

REGISTRATION LINK: [HTTPS://FORMS.GLE/CG3TI4V6GCFMK7A6A](https://forms.gle/CG3TI4V6GCFMK7A6A)

DR. K.P. UMA
PROF&HEAD/DEPT. OF S&H
CONVENOR

MS. M. KIRUTHIKA
AP/MATHS
COORDINATOR

DR. K. KARUNAKARAN
CED / PRINCIPAL
HiCET





Hindusthan
College of Engineering and Technology,
Coimbatore 641 032.

CENTRE FOR FACULTY DEVELOPMENT
(CFD)

HINDUSTHAN
COLLEGE OF ENGINEERING AND TECHNOLOGY
POLLACHI HIGHWAY, VALLEY CAMPUS, COIMBATORE
DEPARTMENT OF SCIENCE AND HUMANITIES ORGANIZES
SIX DAYS STTP ON INNOVATIVE TOOLS FOR MATHEMATICS

<p>Day 1</p>  <p>Dr. V. PARTHIRAN Assistant Professor, Mathematics Division, School of Advanced Sciences, VIT University, Chennai Campus, Tamilnadu</p> <p>TOPIC : SOFTWARE TOOLS FOR MATHEMATICAL EDUCATION DATE : 03.05.2021 TIME : 3.00 P.M</p>	<p>Day 4</p>  <p>Mr. S. GANESH, Graduate Teacher in Mathematics, PUM School, Kilariyam, Tiruvarur, Tamilnadu</p> <p>TOPIC : GRASPABLE MATH WITH GEOGEBRA DATE : 06.05.2021 TIME : 3.00 P.M</p>
<p>Day 2</p>  <p>Dr. J. RAMYA Assistant professor/Dept. of ECE Hindusthan College of Engineering and Technology, Valley Campus, Pollachi Highway, Coimbatore.</p> <p>TOPIC : MATHEMATICS THROUGH MATLAB DATE : 06.05.2021 TIME : 10.30 A.M</p>	<p>Day 5</p>  <p>Dr. S. DHANASEKAR, Assistant Professor, Mathematics Division, School of Advanced Sciences, VIT University, Chennai Campus, Tamilnadu</p> <p>TOPIC : DOCUMENTATION THROUGH LATEX DATE : 07.05.2021 TIME : 3.00 P.M</p>
<p>Day 3</p>  <p>Dr. K. BINOYBALAN, Professor and Head, Department of Science and Humanities, Ahalia School of Engineering and Technology, Palakkad, Kerala</p> <p>TOPIC : USAGE OF MAXIMA TOOL IN MATHEMATICAL PROBLEMS DATE : 05.05.2021 TIME : 3.00 P.M</p>	<p>Day 6</p>  <p>Dr. S. DHEVA RAJAN, Faculty of Information Technology (Mathematics Section) University of Technology and Applied Sciences, Al Musanna SULTANATE OF OMAN</p> <p>TOPIC : R - PROGRAMMING DATE : 08.05.2021 TIME : 3.00 P.M</p>

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REGISTRATION LINK: [HTTPS://FORMS.GLE/CG3TI4V6GCFMK7A6A](https://forms.gle/CG3TI4V6GCFMK7A6A)

DR. K.P.UMA PROF&HEAD/DEPT. OF S&H CONVENOR	MS. M. KIRUTHIKA AP/MATHS COORDINATOR	DR.K.KARUNAKARAN CEO / PRINCIPAL HICET
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**HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE – 641 032**

**CENTRE FOR FACULTY DEVELOPMENT
(*CFD*)**

Date: 23.04.2021 & 24.04.2021

The Centre for Faculty Development in Hindusthan College of Engineering and Technology, Coimbatore conducted two day Faculty Development Programme on Current Scenario in Mathematics on 23rd and 24th April 2021.

Dr B Rushi Kumar, Associate Professor, Department of Mathematics, School of Advanced Sciences, VIT, Vellore spoke about Mathematical Modelling and its applications. He told the participants that Mathematical models are used to solve many real-life situations like launching a satellite, predicting the arrival of the monsoon, controlling pollution due to vehicles, reducing traffic jams in big cities.

Dr M Yamuna, Associate Professor, Department of Mathematics, School of Advanced Sciences, VIT, Vellore spoke about Graph Eccentricity – Recent Developments. She told the participants that Current areas of research include algebraic graph theory (association schemes, knot polynomials, eigenvalues), algorithmic graph theory, asymptotic enumeration of graphs, extremal graph theory, matching theory, minimax theorems, and Ramsey theory.

Dr N Roopesh, Head, Department of Mathematics, PSMO College, Tirurangadi, Mallapuram, Kerala spoke about Chromatic Graph Theory. He told the chromatic number of a graph is the minimal number of colours needed to colour the vertices in such a way that no two adjacent vertices have the same colour.


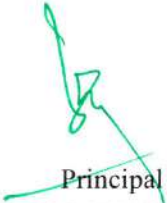
Dr K P Uma, Head, Department of Science and Humanities, Hindusthan college of Engineering and Technology, Coimbatore spoke on Application of Stochastic Processes in Human Resource Planning.





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Valley Campus, Pollachi Highway, Coimbatore 641 032.
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Report for STTP on IoT based Automation using Machine Learning organized / participated

Name of the Faculty : Dr S Shankar	
Department : CSE	Designation : Professor
Name of the Event : STTP on IoT based Automation using Machine Learning	
Level : National	
Venue / Mode : Online Mode	
No. of Days : 6 Days	Dates : 19/4/2021
Funded by : AICTE	
No. of Participants : 75	Registration charges (if any) : NIL
Name and Designation of Resource Person(s) :	
Mr Gowtham Ramesh, Senior Assistant Professor, Amrita School of Engineering, Coimbatore	
Dr Navaneethan C, Associate Professor, Vellore Institute of Technology, Chennai	
Mr Rajesh Kumar H, Managing Director, BuzzTech Training Institute, Coimbatore	
Dr D Rasi, Associate Professor, Department of Information Technology, Hindusthan College of Engineering and Technology	
<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  CFD Coordinator DR. A.R. JAYASUDHA Professor & Head Department of Computer Applications Hindusthan College of Engineering & Technology </div> <div style="text-align: center;">  Principal PRINCIPAL Hindusthan College of Engineering & Technology, COIMBATORE - 641 032 </div> </div>	



Copy of the Event Brochure / Invitation:



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Othakkalmandapam Post, Coimbatore - 641 032.



All India Council for Technical Education (AICTE)

Sponsored

Six Days Online Short Term Training Programme

On

**Internet of Things Based Automation Using
Machine Learning**

(Phase - II)

Organised by

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

INAGURATION : 19th April, 2021 @ 09.00am



Dr. K. Karunakaran
CEO - Hindusthan Institutions



Dr. S. Shankar
HOD - CSE

AGENDA

- 09:30 am - Tamilthai Vazhthu
- 09:35 am - Welcome Address - Dr. S. Shankar, HOD/CSE
- 09:40 am - Special Address - Dr.K.Karunakaran, CEO - Hindusthan Institutions
- 09:45 am - About the STTP - Ms M Revathi, Coordinator & AP/CSE
- 09:50 am - Intro video about College
- 09:55 am - Vote of Thanks - Prof.M.Uma Priya, Coordinator & AP/CSE.

Join us **LIVE** on Google Meet

Link : <https://meet.google.com/wnz-wchc-mnp>





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College of Engineering and Technology,
Coimbatore 641 032. www.hicet.ac.in

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All India Council for Technical Education (AICTE)

Sponsored

Six Days Online Short Term Training Programme

On

**Internet of Things Based Automation Using
Machine Learning**

(Phase - I)

Organized by

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

INAGURATION : 19th April, 2021 at 09.00am



Dr. K. Karunakaran
CEO - Hindusthan Institutions



Dr. S. Shankar
HOD - CSE

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- 09:30 am - Tamilthai Vazhthu
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**HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY
COIMBATORE – 641 032**

**CENTRE FOR FACULTY DEVELOPMENT
(*CFD*)**

Date: 03.05.2021 till 08.05.2021

AICTE Sponsored Online Short Term Training Programme on Internet of Things Based Automation using Machine Learning was successfully conducted by the Centre for Faculty Development in Hindusthan College of Engineering and Technology, Coimbatore from 03rd May 2021 till 08th May 2021.

Mr Gowtham Ramesh, Senior Assistant Professor, Amrita School of Engineering, Coimbatore spoke about IoT and Machine Learning – Roles, IoT based ML Applications and Plant Health Monitoring. He told that in IoT plant monitoring system we can monitor and control with the help of IoT concepts. The gasses produced by the plant in Day time and nighttime will be monitored on IoT cloud. And according to the moisture of the soil the water pump supply to the plant will be controlled.

Dr Navaneethan C, Associate Professor, Vellore Institute of Technology, Chennai spoke about Security aspect in IoT, Improving security in IoT with SDN, Exploring privacy and Security factor into IoT Devices. A primary advantage of SDN networking is greater visibility throughout the network. In traditional networking, any security that impacts traffic is overarching. With SDN, it's granular. This means that engineers can selectively block malicious traffic throughout your network on a granular basis.

Mr Rajesh Kumar H, Managing Director, BuzzTech Training Institute, Coimbatore spoke on Introduction to Google Colab, Introduction to key ML Libraries – Numpy, Pandas, Matplotlib, Seaborn and gave a Hands-on on ML Libraries. He told the



participants that Seaborn is a Python data visualization library based on matplotlib. It provides a high-level interface for drawing attractive

Dr D Rasi, Associate Professor, Department of Information Technology, Hindusthan College of Engineering and Technology, spoke on Introduction to Regression and Classification Model. She said that the most commonly used techniques for investigating the relationship between two quantitative variables are correlation and linear regression. Correlation quantifies the strength of the linear relationship between a pair of variables, whereas regression expresses the relationship in the form of an equation.

Mr Rajesh Kumar H, Managing Director, BuzzTech Training Institute, Coimbatore spoke on Introduction to Scikit learn, Train and evaluate the first model and gave a Hands-on on Regression Model and Classification Model.

Mr VigneshwaranParamathaylan, CloudBull India, addressed the gathering on Building Intelligent Applications using IoT, MatLab Simulink and Interfacing sensors. He told the participants that Smart buildings, which connect building operations through the Internet of Things (IoT), simplify tasks like controlling building temperature, security and maintenance through mobile devices and computers.

Mr AnihanPatra, Consultant KPMG, Bangalore, spoke on National Education Policy.

Mr ArunDivakarn, Digital Transformaton Lead IQVIA – The Human Data Science Company, Coimbatore. He spoke on IoT and the science behind Information, Edge IoT and Data Analytics. He told the participants that IoT Edge modules are containers that run Azure services, third-party services or custom code. They are deployed to IoT Edge-enabled devices and execute locally on those devices. The IoT Edge runtime runs on each IoT Edge-enabled device and manages the modules deployed to each device.

Mr VinayVittal, Senior Project Manager, Robert Bosch Engineering and Business Solutions Private Limited, Bangalore spoke on Developer Suit Overview, OS installation, Architecture. He also spoke about Embedded IoT Systems, Developer Suit Over view and GUI Creation using Python.



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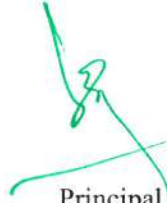
Hindusthan

College of Engineering and Technology,

Valley Campus, Pollachi Highway, Coimbatore 641 032.

www.hicet.ac.in

Report for Business Model Canvas — At a glance organized / participated

Name of the Faculty : Dr Kanimozhi	
Department : MBA	Designation : Assistant Professor
Name of the Event : Business Model Canvas — At a glance	
Level :	College Level
Venue / Mode : Online Mode	
No. of Days : 1 Day	Dates : 19 May 2021
Funded by : NIL	
No. of Participants : 100	Registration charges (if any) : NIL
Name and Designation of Resource Person(s) :	
Mr Sathyantan Mukherjee	
Founder – The Innovator’s Garage and The Hilltop Ventures.	
Outcome :	
Awareness about the process of developing business model Canva .	
<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  CFD Coordinator Dr. A.R. JAYASUDHA Professor & Head Department of Computer Applications Hindusthan College of Engineering & Technology </div> <div style="text-align: center;">  Principal PRINCIPAL Hindusthan College of Engineering & Technology, COIMBATORE - 641 032 </div> </div>	



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COIMBATORE - 641032



Department of Management Sciences

ED Club (Atmanirbhar Bharat Series) and Entrepreneurship Development Cell

Organises

IIC Driven Activity - Workshop on "Business Model Canvas - At a Glance"



Resource Person:
Mr. Sayantan Mukherjee

Founder - The Innovators' Garage and
The Hilltop Ventures,
Director (Academics) - National Institute of Innovation
and Entrepreneurship Management (NIEM)

19 May 2021
11.30 a.m to 1 p.m

Use the URL or Scan to Register:
<https://tinyurl.com/hicetcanva>



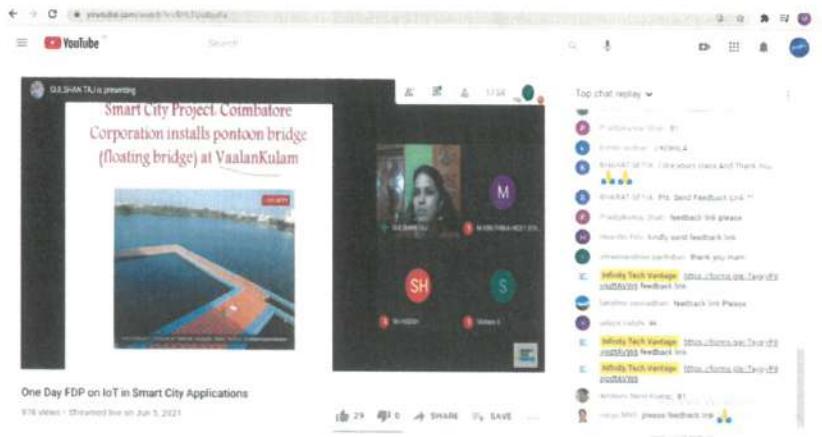
<https://meet.google.com/npv-zhjh-hcz>



E-Certificates will be provided to all the participants

COORDINATORS	CONVENER	PATRON
Dr.M Bhuvaneshwari ASP / MBA & IIC Coordinator	Dr.K.Samuvel Director / MBA	Dr.K. Karunakaran
Mrs.V.Kanimozhi AP / MBA & ED Cell Coordinator	Dr.K.Siva HOD / Mech & IIC President	CEO & Principal





The session was interactive and She addressed few questions from the participants. The development of technologies such as the **Internet of Things**

(IoT), **Artificial Intelligence (AI)**, **Blockchain** or **Geospatial Technology** is key to the growth of smart cities around the world.



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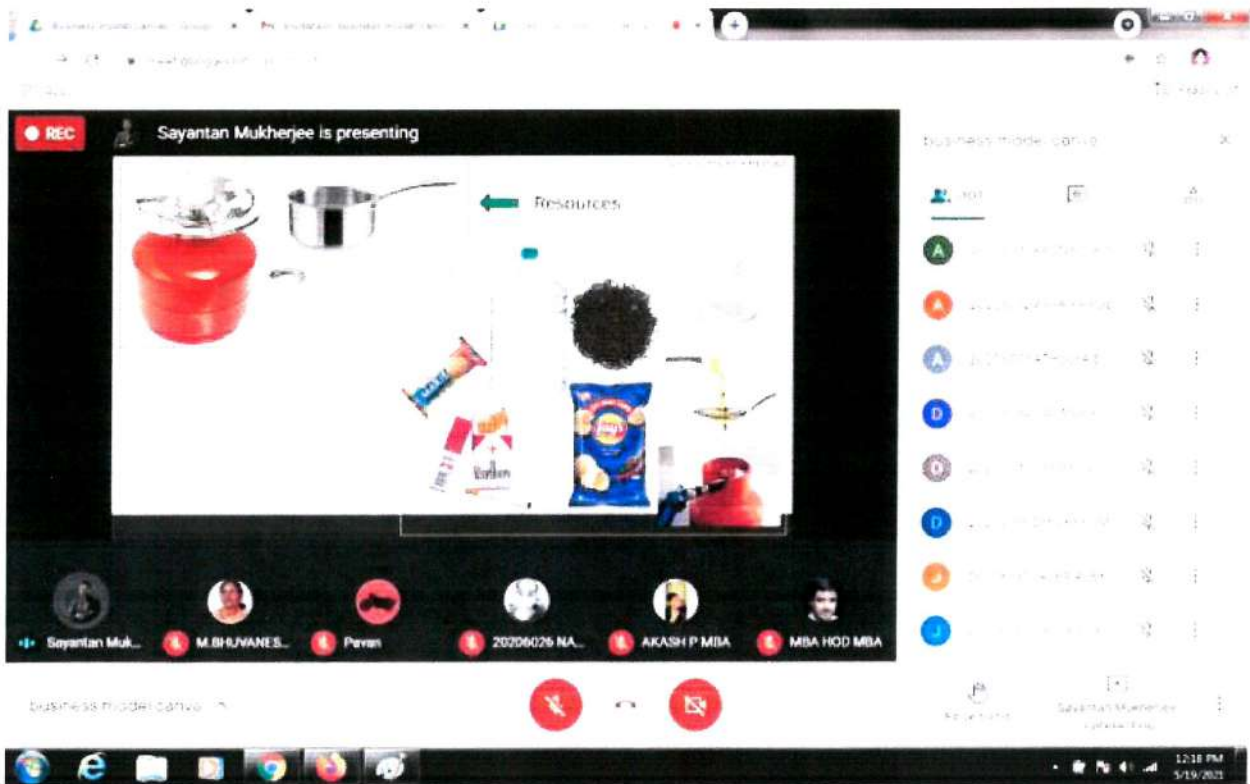
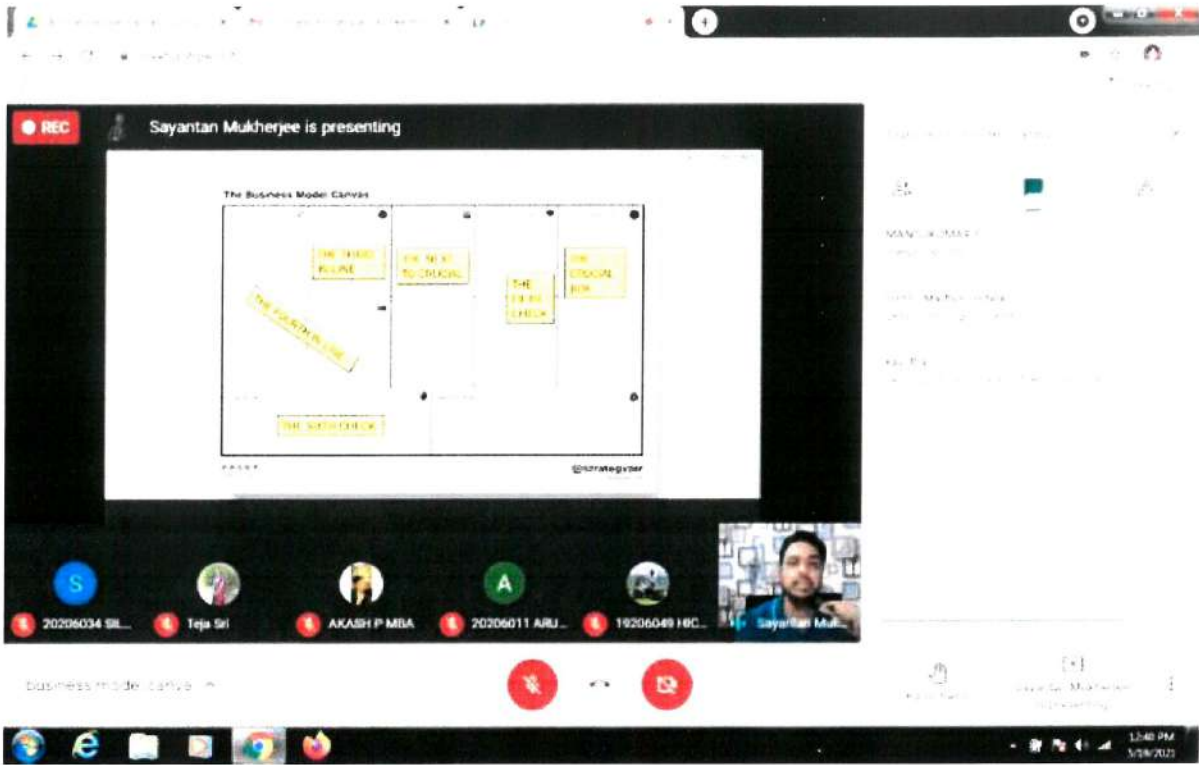


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Dr. M. Bhuvaneshwari ASP / MBA & IIC Coordinator	Dr. K. Samuvel Director / MBA	Dr. K. Karunakaran
Mrs. V. Kanimozhi AP / MBA & ED Cell Coordinator	Dr. K. Siva HOD / Mech & IIC President	CEO & Principal



Geo Tagged Photographs of Event – 2 Nos:



Copy of the Participation/Issue Certificate:



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An Autonomous Institution, Affiliated to Anna University, Chennai
Accredited with 'A' Grade by NAAC & NBA
Valley Campus, Pollachi Highway, Coimbatore-641032

Department of Management Sciences & Entrepreneurship Development Cell

Participation Certificate

This is to certify that APARNNA V MOHAN , Student of Hindusthan Institute of Technology actively participated in the **HiC Driven Activity** - Online Workshop on "Business Model Canvas - At a glance" on 19th May 2021 from 11:30 a.m to 01:00 p.m by Mr.Sayantana Mukherjee - Founder - The Innovators' Garage and The Hilltop Ventures; Director (Academics) - National Institute of Innovation and Entrepreneurship Management (NIEM).


Director - MBA
Dr.K.Samuvel


Principal
Dr.K.Karunakaran

Made for free with Certify'em





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Coimbatore 641 032.**

**CENTRE FOR FACULTY DEVELOPMENT
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(AN AUTONOMOUS INSTITUTION)
VALLEY CAMPUS, POLLACHI HIGHWAY, COIMBATORE

DEPARTMENT OF SCIENCE AND HUMANITIES
ORGANIZES

**ONE DAY FACULTY DEVELOPMENT
PROGRAMME ON IOT IN SMART CITY
APPLICATIONS**

RESOURCE PERSON

Ms. GULSHAN TAJ MNA,
ASSOCIATE PROFESSOR,
DEPARTMENT OF CIVIL ENGINEERING,
SONA COLLEGE OF TECHNOLOGY,
SALEM.



**DATE : 05.06.2021
TIME : 4 P.M**

Registration Link :
<https://forms.gle/HwGS6NemxJT5HNKf6>

SRIRAM C
II YEAR/CSE
STUDENT
COORDINATOR

M. M. KIRUBIKA
AP/MATHS
COORDINATOR

Dr. K. P. UMA
PROF & HEAD
DEPT. OF S&H
CONVENOR

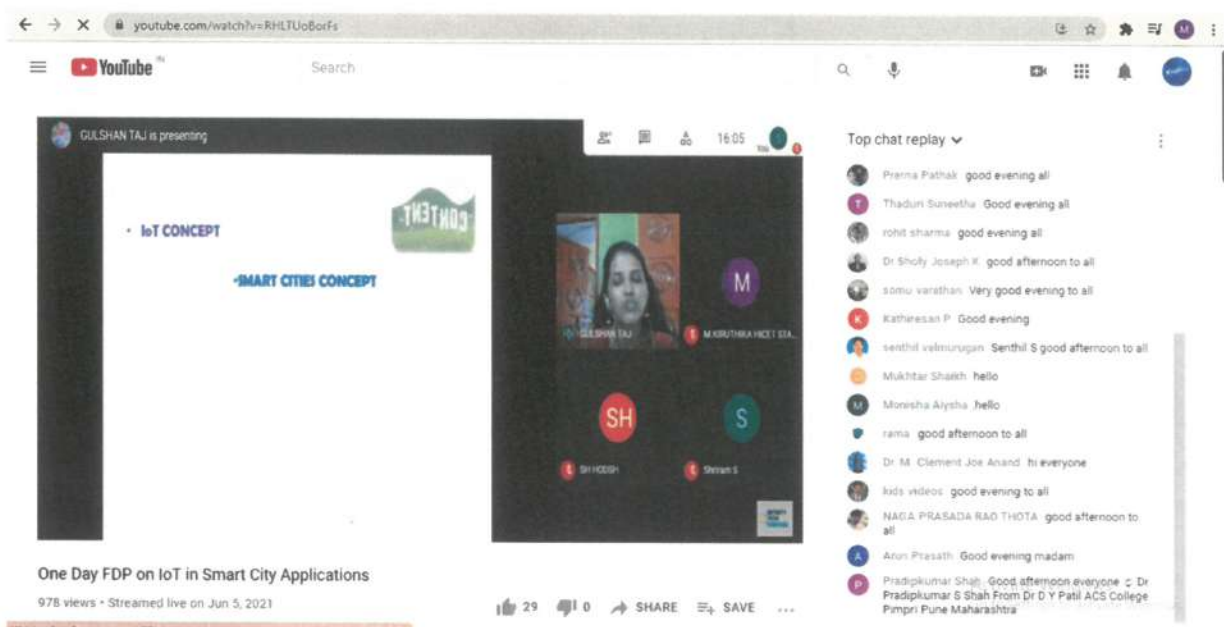
Dr. S. KADUNAKARAN
CEO / PRINCIPAL
HICET



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

Date: 05.06.2021

The Centre for Faculty Development in Hindusthan College of Engineering and Technology, Coimbatore conducted a Faculty Development Programme on IOT in Smart City Applications on 05 June 2021.



Ms GulshanTaj MNA, Associate Professor, Sona College of Technology, Salem addressed the gathering. The participants were given exposure on Internet of Things in Smart City Applications. Smart cities use IoT devices such as connected sensors, lights, and meters to collect and analyze data. The cities then use this data to improve infrastructure, public utilities and services, and more.

She told the participants that for example, smart parking can help drivers find a parking space and also allow for digital payment. Another example would be smart traffic management to monitor traffic flows and optimise traffic lights to reduce congestion, while ride-sharing services can also be managed by a smart city infrastructure.

