



# HiNEWS

NEWSLETTER



***Hindusthan***  
*College of Engineering and Technology*

Valley Campus, Pollachi Highway  
Coimbatore, Tamilnadu, India

[www.hicet.ac.in](http://www.hicet.ac.in)

[hinews@hicet.ac.in](mailto:hinews@hicet.ac.in)



## Vision Mission quality Policy

Get The **Best** In Everything  
Education | Ethics | Excellence



## VISION

To become a premier institution by producing professionals with strong technical knowledge, innovative research skills and high ethical values.

## MISSION

- IM1:** To provide academic excellence in technical education through novel teaching methods.
- IM2:** To empower students with creative skills and leadership qualities.
- IM3:** To produce dedicated professionals with social responsibility.

## QUALITY POLICY

Hindusthan College of Engineering and Technology (HiCET) aims at providing the best education which will mould the students as the right characters, who will cater to the needs of the society. While providing various inputs for the best education, HiCET constantly thrives upon continual improvement with the utmost commitment for the complete satisfaction of the stakeholder





# About Us



Hindusthan College of Engineering and Technology (HiCET) Coimbatore, established in the year 2000 by the great Industrialist and Philanthropist, Kongu Rathinam Thiru.T.S.R.Khannaiyann of Hindusthan Educational Trust whose determination and dynamism made possible the realization of this institution of excellence. Surrounded with nature's pristine beauty and an excellent infrastructure coupled with dedicated and experienced faculty has made the campus a much sought-after abode of learning. HiCET is one of the premier technological institutions inculcating quality and value based education through innovative teaching learning process for holistic development of the Students. The institution is recognized under Section 2(f) and 12B of University Grants Commission (UGC) and is an autonomous institution affiliated to Anna University, Chennai with permanent affiliation for most of the programmes, approved by the AICTE and the Government of India. Accredited by the National Assessment and Accreditation Council (NAAC) with 'A' grade, National Board of Accreditation (NBA).

HiCET conducts seminars and also invites companies to give presentations that will help our students to choose a right career for themselves and has hence contributed to the industry by successfully delivering fresh recruits who have contributed continuously to the growth of the industry by being a part of the top-notch organizations. For all these reasons HiCET has been a preferred institute for recruiting young minds.

Currently, there are around 5000+ students pursuing various Undergraduate programs (B.E./B.Tech.), Postgraduate programs (M.E./M.Tech, MBA & MCA) and Ph.D. research programs in the Institution and are mentored by above 400 well qualified and experienced faculty members. HiCET nurtures future global leaders by imparting knowledge, skills and building attitudes among students to face the world in a fresh, energetic and unrestrictive work environment. In keeping view of the severity of COVID-19, the faculty members were able to gain and sustain student engagement by being creative with lectures that integrate props, student polling, and videos on online mode.



Dear Hicet Team,

I hope this message finds you all in great spirits and thriving in your endeavors. As we continue our journey towards excellence, I wanted to take a moment to share some exciting updates and express my heartfelt gratitude to each and every one of you.

Firstly, I am thrilled to announce that we have reached several significant milestones in the past quarter. Our hard work, dedication, and innovative spirit have led us to achieve remarkable growth, expanding our customer base and pushing the boundaries of what we can achieve together.

It's essential for us to stay ahead in this fast-paced world, and we must keep challenging ourselves to develop groundbreaking solutions that delight our customers and transform the industry landscape. Let's continue to embrace innovation, collaborate, and support each other in reaching new heights.

On a personal note, I want to extend my deepest appreciation to all of you. Your unwavering dedication, creativity, and passion have been the driving force behind our success. Each one of you plays an integral role in shaping our company's future, and I couldn't be more proud of the incredible team we have built.

As we look ahead to the coming months, let's continue to uphold our values, pursue excellence, and embrace change fearlessly. Together, we will create a brighter future for Hicet, our clients, and the communities we serve.

Thank you all for your tireless efforts and unwavering commitment to our shared vision. Your work inspires me, and I am truly grateful to lead such an exceptional team.

Wishing you all continued success and prosperity.

**Dr.K. Karunakaran**  
Principal



## Exploring Career Opportunities and Challenges in CFD/CAE Profession.

Mr. JOVIN JOSE (Sr. CFD Thermal Design Engineer for GM Power train at Tata Consultancy Service, Hyderabad) was the resource person for the webinar. The outcome of the event is Students are very excited to learned importance of CFD and its applications, Many students are learned various tools used in CFD, Various job opportunities in CFD domain

**HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY**  
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(An Autonomous Institution, Affiliated to Anna University, Chennai)  
Coimbatore-641032

**DEPARTMENT OF AERONAUTICAL ENGINEERING**

Date 16.06.2020 @ 11am

**AGNI MINDS**  
presents

Alumni webinar Series #4  
**"Exploring Career Opportunities and Challenges in CFD/CAE Profession"**

**GUEST SPEAKER**  
Mr. JOVIN JOSE M. TECH.  
Sr. CFD Thermal Design Engineer for GM Powertrain at  
TATA CONSULTANCY SERVICE  
Hyderabad.

**MODERATOR**  
Mr. R. Veeramani, AP/AERO  
994409399 / vveera88@gmail.com

**CO-ORDINATOR**  
Mr. M. Magesh Kumar AP /AERO  
8667755757 / magesh.aeronz@gmail.com

CONVENOR  
Mr. V.T. Gopinathan M.E. (Ph.D)  
HOD /AERO

E - CERTIFICATE WILL BE PROVIDED FOR ALL PARTICIPANTS

Cisco **webex**

**YouTube LIVE!**

**HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY**  
Valley Campus, Pollachi Highway, Coimbatore - 641 032

**Department of Aeronautical Engineering**

Presents

Aeronautical Students Engineering Association (ASEA) - Inauguration

**Partners:**  
Chief Guest  
Mr. Rohan M. Ganapathy,  
CEO,  
Bellatrix Aerospace,  
Bengaluru.  
(Our Prestigious alumni)

Online Honor  
Google Meet  
Live streaming  
**YouTube**

**Guest Lecture on : Advances in Spacecraft propulsion and career aspects**

Date : 14/10/2020 Time : 11.00 a.m

In association with  
JAY WINGS  
BELLATRIX  
TASS

## Advances in Spacecraft Propulsion and Career, Aspects

The Department of Aeronautical Engineering had conducted a webinar on "Advances in Spacecraft Propulsion and Career, Aspects ", Mr Rohan Ganapathy (CEO Bellatrix Aerospace, Bengaluru) was the resource person of the event and this event is conducted on " Advances in Spacecraft Propulsion and Career, Aspects" on 14th october 2020. The outcome of the event is Students are able to understand the Importance of spacecraft propulsion.

## Career Aspects- Aeronautical / Mechanical Engineering

This webinar was conducted on 06th June through online the outcome of the webinar is that to make students get motivated by listening to the speech of successful Alumni, to create knowledge about online courses to opt and learn , to analyse the risk factors while searching for jobs, to make the students get connected with Alumni to clear up the doubts regarding the placement recruitment ,to encourage the young engineers to enhance their technical skills to get placed in companies.

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COIMBATORE - 641 032

**DEPARTMENT OF AERONAUTICAL ENGINEERING**

**AGNI MINDS**  
presents

ALUMNI WEBINAR SERIES #1  
as  
**"Career Prospects - Aeronautical/Mechanical Engineering"**

E-Certificate Will be Provided

Date : 06.06.2020 Time : 16.00 - 17.00 (IST)

**Coordinator**  
Veeramanikandan AP/Aero/HICET  
Contact: 994409399 / vveera88@gmail.com

**Moderator**  
Mr. Saravana Kumar V. AP  
Dept. of Aero HICET

**Speaker**  
Gokul V.  
CAE Analyst  
General Motors India, Bangalore

Reg. Link : <https://forms.gle/Pha22F4t88Dmncj1L8>

**LIST OF LABORATORIES IN HICET**

- Crop Husbandry laboratory
- Farm machinery laboratory
- Soil and water conservation laboratory
- Post harvesting laboratory
- Bio energy laboratory



Crop Husbandry laboratory

**1.Crop Husbandry laborator**

Lab established for hands on experiential learning in dry land, garden land and wetland crop production. The students will also get exposed to the usage of Primary and Secondary tillage machinery and implements in forming bunds, channels, ridges and furrows/check basins for raising these crops.

**2.Farm machinery laboratory**

Lab established for identifying suitable farm implements to increase the production and productivity of different crops through farm mechanization. As well as to increase profitability of farmers besides saving in labour and time, energy resources, natural resources such as land, water etc. and other inputs like chemicals, fertilizers, seeds.



Seed cum fertilizer drill



### 3. Soil and water conservation laboratory

Soil and water conservation laboratory established for controlled application of water in the form of micro irrigation systems either drip or sprinkler units to arrive at high order or irrigation and water use efficiencies. The students are exposed to the Hydraulic design layouts and performance evaluation in getting maximum yields with conserved water storages after rainwater harvesting

### SPRINKLER IRRIGATION SYSTEM



### 4. Post harvesting laboratory

Lab established for to get aware about post harvest loss and their control measures. As well as to be familiar with marketing channel and possible losses. The main objectives of applying post harvest technology to harvested fruits and vegetables are: to maintain quality (appearance, texture, flavor and nutritive value) to protect food safety, and. to reduce losses between harvest and consumption.

### JAW CRUSHER



Solar Panel

### 5. Bio energy laboratory

Lab established for studying the utilization of renewable energies for various agricultural practices .Bioenergy is one of many diverse resources available to help meet our demand for energy. It is a form of renewable energy that is derived from recently living organic materials known as biomass, which can be used to produce transportation fuels, heat, electricity, and products

### Autonomous Vehicle Technology in Digital Era

Department of Automobile has conducted 3 days international webinar on topic Autonomous Vehicle Technology in Digital Era. On 6th July 2020 Dr Anand Nayyar, Graduate School Duy Tan University, Vietnam, has taken a Topic on INTERNET OF VEHICLE, he has spoken a vital things on applications of internet of vehicle, The growing technological advancements in the field of information technology have made Smart Cities a thing of near future. On 7th July 2020 Ms. Shruti Subramanian, system engineer AIRBUS – GERMANY on the topic of “ AI Technology in Robotics and Autonomous Driving ” she has presented beautiful information through webinar. On 8th July 2020 Mr Gokul Sidarth PhD researcher, Swinburne university, AUSTRALIA has taken topic on “A utonomous Surface Vehicle” Autonomous Surface Vehicles (ASVs) are robotic vehicles that sit on the sea surface recording oceanographic data across a range of variables.

### Challenges and opportunities in motorsports

Department of Automobile Engineering (HICET) conducted a webinar on “ challenges and opportunities in motorsports” on 24th June, 2020, the major vision of this webinar is to make the students get aware of various motorsport opportunities and challenges as a driver, technician, team manager, trainer and marshall. The session was very informative as the speed queen Ms. Mira Erda, India's first female to win Internationally Formula 4 racing in the woman's category. She also has her very own track and training academy



### Robots in Automotive Industry and its Functional Applications

Department of Automobile Engineering (HICET) conducted an International Webinar on "Robots in Automotive Industry and its Functional Applications" the session handled by Mr Manoj Kumar , A Lead software and Robotic Engineer Pixel Automation Pvt Ltd SINGAPORE on 18.07.2020 the session started on 11 AM to 12.30 PM. The welcome address was given by our beloved HOD Dr.C.Sabarinathan and the session was handed over to the resource person. The event started around 11:10 AM and ended by 12:30 PM. The outcome of the session is Collaborative Robots: These collaborative robots are built to work together with other robots, on enormous assembly lines.



## TECHNICAL PROGRAMMES

### One day National Level Webinar on "IoT Application in Healthcare"

It was conducted on 11th Nov 2020. It was inaugurated by Dr. S Saravanasundaram, HoD (Biomedical). The sessions were handled by Mr. S. Balamurugan, Founder and Chairman, Albert Einstein Engineering and Research Labs (AEER Labs). The webinar Focused on IOT(The Internet of Things) describes the network of physical objects-that are embedded with sensors, software, and other technologies for the purpose of connecting and exchanging data with other devices and systems over the internet. IoT devices offer a number of new opportunities for healthcare professionals to monitor patients, as well as for patients to monitor themselves. By extension, the variety of wearable IoT devices provide an array of benefits and challenges, for healthcare providers and their patients



### Memorandum Of Understanding

It was Memorandum Of Understanding between Waxwing Medical Technologies Pvt Ltd., Bangalore and Hindusthan College of Engineering and Technology on 31/03/2021 by Mr. Sathya Narayanan V. Founder and CEO, Waxwing Medical Technologies. Waxwing is involved in the making of state-of-the-art, bleeding-edge healthcare technologies that bring in new dimensions to medical diagnostics. Waxwing builds and bridges both medical devices and the digital platform that are able to generate, collect, analyse & transmit health data to healthcare provider.

## Faculty Achievements

F

1.Ms. Raja Rajeswari Chandni (AP/BME), completed NPTEL course on Introduction to Internet of Things.

2.Ms. Monisha. D (AP/BME), completed NPTEL course on Animal Physiology and Introduction to Internet of Things.

3.Ms. S. Shobha Christila (AP/BME), completed NPTEL course on Biomedical Nanotechnology.

4.Dr. Saravana Sundaram (HOD/BME), published a Journal ISSN: 1673-064X under International Journal of Xi'an Shiyu University, Natural Science Edition.

5.Ms. Raja Rajeswari Chandni (AP/BME), published a Journal ISSN: 2395-602X under International Journal of Scientific Research in Science and Technology.

6.Ms. Monisha. D (AP/BME), participated and published a Journal in National Conference on Artificial Intelligence Applications (NCAIA'2020).



## Faculty Activities

1.Ms. Raja Rajeswari Chandni (AP/BME), participated in Virtual Workshop from 10/06/2020 to 12/06/2020 on Course and instruction design for effective outcome-based education conducted by IQAC cell, St. Xavier's Catholic college of Engineering.

2.Ms. Monisha. D (AP/BME), participated in a National Level Webinar on 11/07/2020 conducted by Hindusthan College of Engineering and Technology on Recent trends and Opportunities in Biomedical Engineering.

3.Dr. Saravana Sundaram (HOD/BME), participated on a Virtual FDP in the topic Integrated planning for NIRF Ranking and Best practices in Engineering College conducted by Hindusthan College of Engineering and Technology from 27/07/2020 to 01/08/2020.

4.Dr. Saravana Sundaram (HOD/BME), participated on one-week virtual STTP on Artificial Intelligence in Health care from 16/07/2020 to 22/07/2020 conducted by Kumaraguru College of Technology.

5.Ms. S. Shobha Christila (AP/BME), participated on International Online FDP from 03/08/2020 to 07/08/2020 in the topic LABVIEW Realtime Data Acquisition, conducted by IITS Engineering College, Noida.

6.Ms. S. Shobha Christila (AP/BME), participated on one-week Online STTP from 13/07/2020 to 18/07/2020 in the topic Recent Advances in Biomedical Applications and Communication Networks conducted by GRM Institute of Technology.

## CONTINUOUS LEARNING

1. 7.12.2020 to 12.12.2020, Dr Seenuvasan M attended Six days AICTE sponsored Short Term Training Program on **Augmentation of SMART Materials and Technologies for Commercial Energy Harvestation** - Phase - III organized by Kongu Engineering College, Erode. Energy harvesting technology is attracting attention as "enabling technology" that expands the use and opportunities of IoT utilization, enriches lives and enhances social resilience. This program helps to learn the features of these technologies, recent topics and major challenges, and boldly predicts the future prospects of the development.

2. 07.12.2020 to 11.12.2020, Ms Induja P attended **AICTE Training and Learning (ATAL)** Academy Sponsored five day's Online FDP at B.M.S. College of Engineering, Karnataka.

3. 14.12.2020 to 18.12.2020, Ms Induja P attended **AICTE Training and Learning (ATAL)** Academy Sponsored five day's Online FDP at Graduate School of Management Studies, GTU, Gujarat.

4. 4.01.2021 to 09.01.2021, Dr Seenuvasan M attended AICTE-ISTE Sponosred One-Week Virtual Inducation / Refresher Programme(Phase-I ) on **Demystifying Research Metrics** (DRM,21)' organized by Department of Mechatronics, Bannari Amman Institute of Technology, Erode.



## CONTINUOUS LEARNING

- 07.12.2020 to 12.12.2020 - Dr Seenuvasan M attended AICTE Sponsored -STTP on "**Augmentation of SMART Materials and Technologies for Commercial Energy Harvestation**" organized by Department of Chemical Engineering, Kongu Engineering College, Perundurai.
- 12.12.2020 - Mr Rajkumar A attended AICTE sponsored one week online STTP on "**Hybrid andv Electric Vehicles**" Organized by Department of Automobile Engineering, oojya Doddap pa Appa College of Engineering, Kalaburagi and completed test with a score of 80% on 7th to 12th, December, 2020.
- 22.01.2021, Mr Rajkumar A attended AICTE Training and Learning (ATAL) Academy Sponsored five day's Online FDP on "**Green Technology & Sustainability Engineering**" at imbatore Institute of Technology, Coimbatore.
- 22.02.2021 ICTE Training and Learning (ATAL) Academy Sponsored five day's Online FDP on "**Energy Storage**" at KPR Institute of ngineering and Technology,Coimbatore.Energy storage technologies encompass a variety of systems, which can be classified into five broad categories, these are: mechanical, electrochemical (or batteries), thermal, electrical, and hydrogen storage technologies.

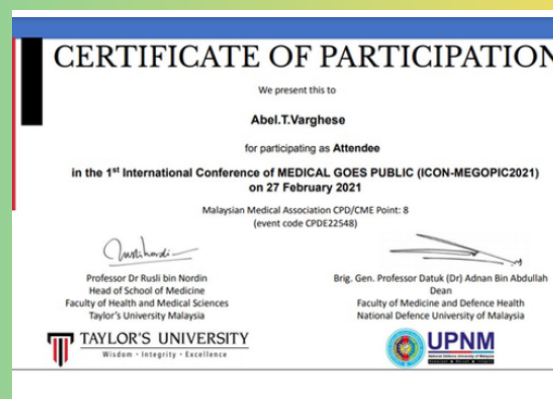
## STUDENTS CORNER

Ms Kirubashini E of II Year Chemical Engineering has participated in Mission To Mars Students Challenge Program conducted by NASA on 18th February 2021



Mr Abel T Varghese of II Year Chemical Engineering has participated in Mission To Mars Students Challenge Program conducted by NASA on 18th February 2021.

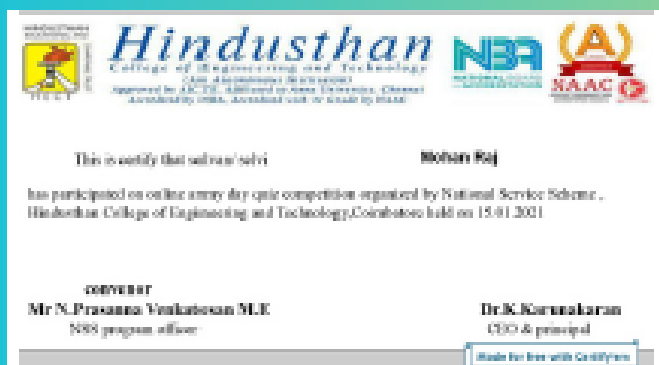
Mr. Abel T Varghese of II Year Chemical Engineering participated in ICON - MEGOPIC 2021 conducted by Taylor's University, Malaysia on 27th February 2021





## EXTENSION ACTIVITIES

On 24.01.2021 Mr Mohan Raj M participated in the awareness programme of "Impact on Trekking to the Environment and Society" organized by National Service Scheme, Hindusthan College of Engineering and Technology, Coimbatore.



On 15.01.2021 - Mr Mohan Raj M participated in the Online Army Day Quiz Competition organized by National Service Scheme, Hindusthan College of Engineering and Technology, Coimbatore.

Mr Mohan Raj M participated in the National Service Scheme Activities and achieved a Grade point of B+ in the academic year of 2020-21, Hindusthan College of Engineering and Technology, Coimbatore.

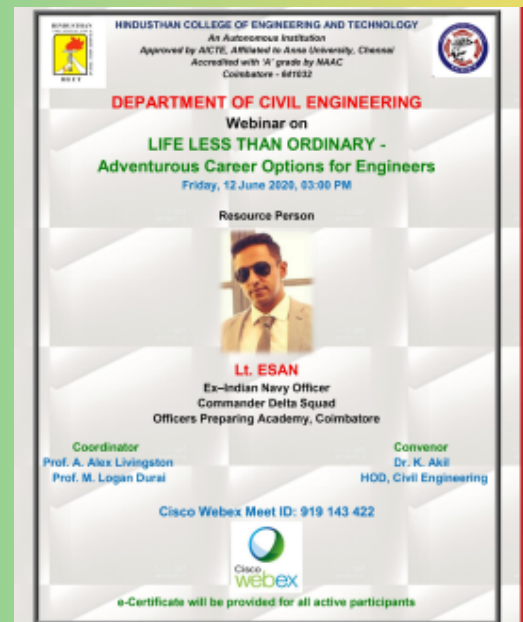


## TECHNICAL PROGRAMMES

### Webinar on "Life Less than Ordinary - Adventurous Career Options for Engineers

On 12.06.2020 Lt. Esan, Ex-Indian Navy Officer, Commander, Delta Squad, Officers Preparing Academy, Coimbatore gave a webinar on "Life Less than Ordinary – Advent rous Career Options for Engineers" organized by Mr. A. Alex Livingston Raja & Mr. M. Logan Durai.

I



### Webinar on "Interior Design –Beautifying the Living space"

It was conducted on 06th Mar 2021. It was in 13.06.2020 Er. R. Vishwanathan, Founder & CEO, Lavish Home Decor & Furnishings, Bengaluru gave a webinar on "Interior Design – Beautifying the Living space" organized by Mr. R. Senthil Kumar & Mrs. K. Saraswath

### Webinar on "Application of Latest Software in Project Management and Cost Estimation"

On 07.08.2020 & 08.08.2020 Er. S. Suganya, Manager-Delivery & Services, Infinity PMC Solutions Private Limited, Chennai & Er. B. Janani, Manager Professional Services, Infinity PMC Solutions Private Limited, Chennai gave a webinar on "Application of Latest Software in Project Management and Cost Estimation" organized by Dr. S. Deepa Shri, Ms. K. Saraswathi





## TECHNICAL PROGRAMMES

### Webinar on

### "Role of Drones in Construction and Asset Management"

It was conducted on 31st July 2021. It was inaugurated by Dr.S Saravana Sundram, HoD(Biomedical). The sessions were handled by Mrs.A Rasheedha, Assistant Professor Bannari Amman Institute of Technology, Sathyamangalam, through Google Meet. The webinar introduces students to a creative problem-solving approach. Integrating empathy, ideation, prototyping, and feedback, they learn to tackle real-world challenges. Embracing design thinking empowers students to be innovative, adaptable, and entrepreneurial, shaping future problem solvers and successful leaders in any domain.

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**Department of Civil Engineering**  
Webinar  
on  
"Role of Drones in Construction and Asset Management"

Mr. Hari Rajan  
CEO and Drone Expert,  
Spatialmate Consultancy,  
AUS, Kuwait

Date : 21.08.2020 (Friday)  
Time : 5 pm to 6 pm

Co-ordinators  
Dr.P. Subashree, Assistant Professor, Civil Engg.,  
Mr.S. Vivek, Assistant Professor, Civil Engg.

Convener  
Dr. K. Akil  
HoD, Civil Engineering

( E - Certificate will be provided to all the active participants )  
For Further details contact : 95669 51005

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**DEPARTMENT OF CIVIL ENGINEERING**  
Organises  
National Webinar  
on  
**REMOTE SENSING AND GIS**

Dr. S. Senthamil Kumar  
Professor and Dean  
Periyar Maniammai Institute of  
Science and Technology,  
Vallam, Thanjavur

9<sup>th</sup> September 2020  
5 pm to 6.30pm

Platform : Google meet

Co-ordinators  
Dr. S. Deepa Shri, Professor  
Mrs. K. Saraswathi, Assistant Professor

Convener  
Dr. K. Akil  
HOD, Civil Engineering

For Further details contact  
9965557356

### Webinar on "Remote Sensing and GIS"

On 09.09.2020 Dr. S. Senthamil Kumar, Professor and Dean, Periyar Maniammai Institute of Science and Technology, Vallam, Thanjavur gave a webinar on "Remote Sensing and GIS" organized by Dr.S.DeepaShri, Ms.K.Saraswathi. Understand the concepts and fundamentals of GIS. Understand the role of remote sensing and GIS in different Civil Engineering applications

### AWARDS AND RECOGNITION OF STAFFS AND STUDENTS

- Dr S Shankar, Professor & Head, Computer Science and Engineering has awarded with Certificate of Appreciation for reviewing the journal Global Research and Development Services Publishing, Asian Journal of Probability and Statistics.
- Dr S Shankar, Professor & Head, Computer Science and Engineering has awarded with certificate of Excellence by Asian Journal of Probability and Statistics in recognition of an outstanding contribution to the quality of the journal.
- Dr S Shankar, Professor & Head, Computer Science and Engineering has awarded with Certificate of Appreciation for reviewing the journal MATTER: International Journal of Science and Technology.
- Dr S Shankar, Professor & Head, Computer Science and Engineering has awarded with Certificate of Appreciation for acted as a Nodal Centre Head for hosting the Grand Finale Smart India Hackathon 2020.



## AWARDS AND RECOGNITION OF STAFFS AND STUDENTS

- Dr I Jasmine Selvakumari Jeya, Associate Professor, Computer Science and Engineering has awarded with State Student Coordinator for Tamil Nadu, Region VII by Computer Society of India on 15-09-2020.
- Dr I Jasmine Selvakumari Jeya, Associate Professor, Computer Science and Engineering has awarded with Certificate of Appreciation for reviewing the international journal of Basic and Applied Research.
- Dr I Jasmine Selvakumari Jeya, Associate Professor, Computer Science and Engineering has awarded with Certificate of Appreciation for reviewing British Journal of Mathematics & Science.
- Ms M Revathi, Assistant Professor, Computer Science and Engineering, completed NPTEL Certification on “Introduction to internet of things”, 8 weeks course from July – Dec 2020 with Elite certification.
- Mr S Shriram, III CSE has successfully developed Math Genie App and launched in Google Play Store.

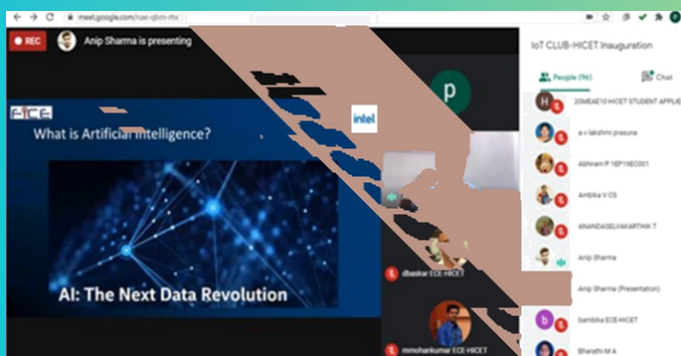
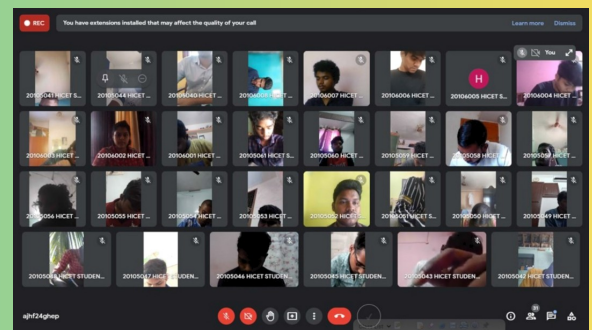
## FACULTY PARTICIPATION

Name of the Faculty	Name of the Programme	Date
Dr.P.Rajeswari	FDP on Python Programming	15.07.2020 to 18.07.2020
Ms.S.Kavipriya	Workshop on Machine Learning and Artificial Intelligence	09.07.2020 to 11.09.2020
Ms.M.Jeeva Jebakani	STTP on electric vehicular battery	24.09.2020 to 30.09.2020
Dr.R Sabitha	Industry Conclave on Recent Trendson Antennas and Microwave Engineering	30.10.2020 to 03.11.2020
Mr.D.Baskar	Training Programon Creating Open Educational Resource	14.09.2020 to 18.09.2020

## DEPARTMENT EVENTS

### BUSINESS COMMUNICATION FOR PROJECT MAN- AGEMENT AND DIGITAL TRANSFORMATION

The Department of Electronics and Communication Engineering ,had conducted an event titled "BUSINESS COMMUNICATION FOR PROJECT MAN- AGEMENT AND DIGITAL TRANSFORMATION" on 28/6/2020 Organised by Mr.A.Udhayakumar ,Mrs.R.Vanitha, Mrs.T.Nivethitha of Hindusthan college of Engineering and Technology



### AI for Healthcare using INTEL Technology

The Department of Electronics and Communication had conducted an event titled "AI for Healthcare using INTEL Technology" conducted on 5.11.2020 and Organised by Dr.VIJAYALAKSHMI P

### Effective Implementation Of Outcome Based Education

The Department of Electronics and Communication Engineering conducted FDP On "Effective Implementation Of Outcome Based Education" on 16.12.20 to 19-12.20 Organised by Dr.P.Rajeswari and Dr.P.Geetha





## DEPARTMENT EVENTS

### "TECHNOLOGY DEVELOPMENT IN ELECTRICAL ENGINEERING"

Dr.T.VANDARKUZHALI/ K.MATHAN, Electrical and Electronics Engineering, ASSOCIATE PROFESSOR, of Hindusthan College of Engineering and Technology ,hosted a Webinar titled "TECHNOLOGY DEVELOPMENT IN ELECTRICAL ENGINEERING", On 30.10.2020 .This helps to learn about the field of engineering advances with every new technological breakthrough, and new technologies in electrical engineering are particularly exciting. This webinar covers some of the most recent new inventions in electrical engineering and why they are so significant.



### "AI, MACHINE LEARNING AND RENEWABLE ENERGY TECHNOLOGY"

Dr.Sekar K & Dr.M.Karpagam Associate Professor / EIE Co-Co-ordinators: Mr.R.Vinoth Kumar,AP/EIE, Mr.A.Khaja Najumudeen,AP/EEE, Associate Professor, hosted a Webinar titled "International Technical Talk on "AI, Machine Learning and Renewable Energy Technology" On 01st AUGUST to 03rd August 2020.This webinar explains about the role and application of AI and ML in Renewable energy.

### "THINK EVERY OPPORTUNITY"

Dr.Sekar K & Mr.Joshua Daniel S, EEE, Associate Professor,hosted a webinar titled , "Think Every Opportunity As the Last One" On 27.06.2020.This webinartr helps us learn about why to consider every opportunity and to utilise properly.



## EVENTS

- 20-10-2020, WEBINAR ROLE OF ENERGY MANAGERS & ENERGY AUDITORS IN INDUSTRIAL SECTOR, Dr. Subash Kumar C S, Associate Professor, Department of EEE, PSGITAR, Coimbatore, ENERGY CLUB
- 01-08-2020 to 03-08-2021, TECHNICAL TALK, AI, MACHINE LEARNING AND RENEWABLE ENERGY TECHNOLOGY, Day 1: Dr.Dharam Singh JatProfessor of Computer Science at Namibia University of Science and Technology Namibia. Day 2: Dr.Aizat Faiz RamliSenoir Lecturer Electronic Technology University,Kuala Lumpur,Malasyia. Day 3: Dr.M.Shamim Kaiser Profesor, Institute of Information Technology of Johangirnagar University, Dhaka,Bangladesh, Dr. Sekar K & Mr. Khaja Najumudeen A
- 23-06-2020, WEBINAR, THERMOELECTRIC ENERGY CONVERSION SYSTEMS, Dr. S. Manikandan Assistant Professor ,SRM Institute of Science & Technology, Chennai, Tamil Nadu, India. Mr . Radhakrishnan P & Dr. Mathan K.
- 18-06-2020, WEBINAR, WHAT NEXT AFTER B.E/B.TECH. IN GOVERNMENT SECTOR, Mr. Vivekanandhan,Co-Founder, Masters Academy, Coimbatore, Mr. Gobinath K & Mr. Vijayanandh D
- 11-06-2020, WEBINAR , SOLAR PHOTOVOTAIC TECHNOLOGY, Dr. D. Sakthivadivel, Assistant Professor(Sr.), Department of Thermal & Energy Engg (DTEE), School of Mechanical Engineering, Vellore Institute of Technology(SMEC), Vellore, Tamil Nadu, India., Mr. Radhakrishnan P & Dr. Mathan K
- 04-06-2020, WEBINAR, UYARA PARANTHU KONDADUVOOM, Dr.Vijayakumar, Psychiatrist, Coimbatore, Dr. Sekar K & Ms. Manjula T

## PUBLICATIONS

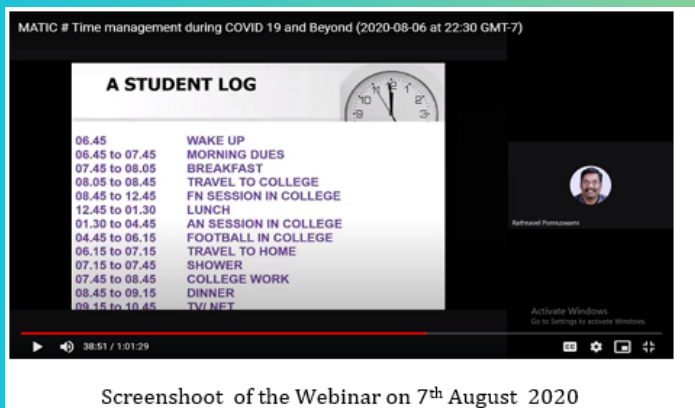
- Dr.N.P.Ananthamoorthy, ANN Classification and Modified Otsu Labeling on Retinal Blood Vessels, Doi /10.2174/1574362414666191018104225 Volume 215, Issue No.4,Page No.512-520, Journal of Therapy Current Signal Transduction, 2020,Web of Science Indexed , 0.88
- Dr.N.P.Ananthamoorthy, State-of-the-Art Techniques in Optic Cup and Disc Localization for Glaucoma Diagnosis: Research Results and Issues, Volume 48, Issue 1, Page No. 63 – 83, Critical Reviews in Biomedical Engineering, 2020, SCI indexed, 1.14
- Dr.N.P.Ananthamoorthy, Deep Learning Approach to Predict and Garde Glaucoma from Fundus Images through Constitutional Neural Networks, BOOK CHAPTER Chapter 5, Book Title: Artificial Integelligence Trends for Data Analytics using Machine Learning a deep Learning Approaches, 2020, CRC Press, 2.21
- Dr.K.Sekar, An Automated Framework to Segment and Classify Gliomas using Efficient Segmentation and Classification, Vol.29, No. 10S, Page No. 7539-7547, International Journal of Advance Science and Technology, 2020, Scopus Indexed, 1.22
- Dr.Vandarkuzhali.K.T, Detection of Foveo Region in Retinal Images using Optimization based modified FCM and ARMD disease Classification with SVM, Vol. 32, Issue. 1, International Journal of Biomedical Engineering and Technology, 2020, SCI indexed
- T.Murugeswari, Cooperative and Optimized Qos Enhanced Distributed Multipath Routing Protocol in Hybrid Wireless Networks,Volume 9 / Issue 5 pp. 1656-1664, International Journal of Innovative Technology and Exploring Engineering, 2020, Thomson reuters indexed, 1.20



## TECHNICAL PROGRAMMES

### Application of AI in core Engineering

Department of Electrical and Instrumentation had jointly hosted a three day international technical talk webinar on “Application of AI in core Engineering” on 1st, 2nd and 3rd August 2020 with EEE dept of HICET



Screenshoot of the Webinar on 7<sup>th</sup> August 2020

### MATIC-Time management during COVID-19 and Beyond

Hosted a webinar titled “MATIC-Time management during COVID-19 and Beyond” with Mr.Rathnavel Ponnuswami, Professor & Motivational Speaker from Akshaya College of Engg & Technology on 07.08.2020 as the resource person.

### Atmanirbhar Bharat – Vocal for Local, Make in India, Make for the World

Hosted a online panel discussion titled “Atmanirbhar Bharat – Vocal for Local, Make in India, Make for the World” with 1Mr. Thiagaraj Rangasamy ,Finzine Management Consultancy, Coimbatore, 2Mr.Ezhilmaran,MD,Axis Global Automation Chennai & 3Mr.Sundar.M Senior Application Engineer, Axis Global Automation Chennai as the resource persons. The webinar was hosted inassociation with Institution’s Innovation Council & with Hindusthan Business School on 04.12.2020.



## FACULTY - ACTIVITIES

- Dr.B.Anand, Professor & Head-EIE Dept ,Convenor and Mr.D.Deivasigamani, Assistant Professor- EIE Dept organized for the webinar titled “MATIC -Time management during COVID 19 and Beyond” organized by EIE & EEE department held on 07.08.2020.
- Dr.Karpagam, Professor, Coordinator for the webinar titled “Smart Grid –Regulatory Consideration”organized by EIE department of HICET in association with Instrument Society of India (ISOI) and IIC self driven activity held on 12.02.2021
- Dr. R. Madhu Sudhanan , Associate Professor , Coordinator for the webinar titled “MATIC-Time management during COVID 19 and Beyond” organized by EIE & EEE department of HICET held on 07.08.2020
- Mr.R.Vinoth Kumar, Assistant Professor - EIE Dept, Coordinator for webinar entitled “Smart Grid-Regulatory Consideration” organized by EIE department in association with Instrument Society of India (ISOI) and Institutions Innovative Cell (IIC) on 12.02.2021. The speaker was Mr.Velayutham,Former Member WREB & MERCWest Bengal and Maharastra.
- Mrs.N.Kavitha, Assistant Professor- EIE Dept, Coordinator for the webinar entitled “ Factory automation and Industry 4.0” organized by EIE department of HICET on 06.02.2021 wth Mr.Akhil Patnaik, Assistant Manager, Hundai Motors,Chennai, as the resource person.

## PAPER PUBLICATION

- A.Sureshbabu, B.Anand published a paper titled “Modified Dynamic Current Mode Logic based LFSR for Low Power Application” Elsevier, Microprocessors and Microsystems, Volume No.72, 2020
- R.Vinoth Kumar, D.Deivasigamani, N.Kavitha and P.Shakthipriya “SCADA based real Time Monitoring and Control for Process Control Plants using Industrial IoT”, is Accepted for Publication in American Institute of Physics (AIP), SCOPUS,2021
- D.Deivasigamani, S.Rubasdanielraj, M.Kanakasabapathi & S.Karthickraja, “Online Product Warranty Claim Using IoT”, Suraj Punj Journal for Multidisciplinary Research , ISSN : 2394-2886 , Volume No 11, Issue No 4 , 2021, Page 399-405, April 2021
- V.V.Terasa , B.Anand published a paper titled “Low Power Optimization for Finite Impulse Response Filter Features Extraction by using Thyroid Cancer Region Identification in Medical Images”, Research Article, American Scientific Publishers, Journal of Medical Imaging and Health Informatics, Volume 10,pp.no 99-107,2020.



## TECHNICAL PROGRAMMES

- Dr Jeevarathinam G (Assistant Professor FT) has conducted a webinar(online platform) on “International Virtual online Faculty Development Programme on Sustainable Development and Research Opportunities in Food and Chemical Engineering” on 5.10.2020-11.10.2020 (1 Week).
- Mrs SWATHI K (Assistant Professor FT) has conducted a webinar on “ Recent Trends in Various Process Techniques” on Oct-20.
- Mr Dillwyn S (Assistant Professor FT) has conducted a webinar (online platform on “Advancement in dairy processing and value added dairy products” at CSE seminar hall on 06.02.2020.
- Seminar on “Virtual Seminar on Food additives and its health impact” was organised by the faculty Mrs Swathi Kon 10.10.2020.
- “International Virtual online Faculty Development Programme on Sustainable Development and Research Opportunities in Food and Chemical Engineering” was organised by the faculties Dr. Jeevarathinam G, Mr. Dillwyn S, Ms. Induja P on 05.10.2020 - 11.10.2020 (1 Week).
- Mrs Nageswari G , Dr Jeevarathinam G , Mr Dillwyn S ,Ms Princy N , Ms NEETHU C S has participated in several webinars, conferences, seminars and training programmes conducted through online platform during this pandemic.

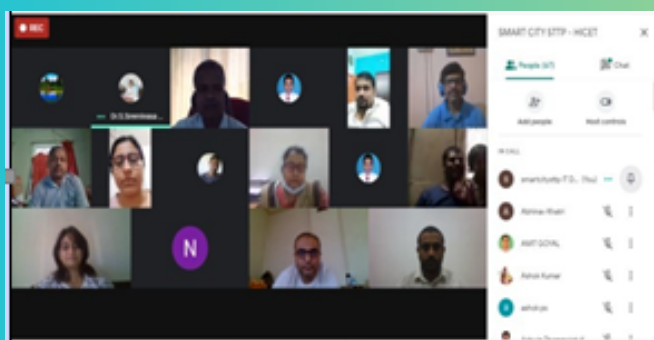
## STUDENTS ACHIEVEMENTS

- Mr Noble Paul, Ms. Kanishkha, Ms. Kaaviya, Mr. Sharuk Khan, Ms. Sasirekha (second year FT), had done their collaborative activity: online internship under the company BOOM ICE CREAMS (Benny's foods) for a period of 15 days from Jul 15-jul 30.
- Ms.Kamishka G has **participated in** Kalam program on up literacy on 5/6/2020-7/6/2020
- Ms Jaseena K has participated in Nutrition awareness activity 2020 on 4/12/2020.
- Ms.Varnnapriya M has participated in International webinar - food safety policies and regulation on 27.07.2020
- Ms. Msgitta Sherine S has participated in Webinar On Cleaning And Sanitation In Meat Processing Plant on 08.08.2020
- Mr.Basil Varghese has participated in FSSAI-online training on An example of method validation and verification according to the ISO 16140 standards on 04/08/2020
- Also the students of Second year FT had completed nearly 421 training courses and obtained their certificates from coursera through online platform

## TECHNICAL ACTIVITIES

### Four Days Webinar Series on “Research Challenges and Applications in Data Science”

Four Days Webinar Series on “Research Challenges and Applications in Data Science” was conducted on 24th - 28th August 2020. It was inaugurated by Dr.N.Rajkumar - Head of the Department of Information Technology. The sessions were handled by Dr. J.Nirmaladevi, Prof. & Head, Dept. of IT Excel College of Engineering , Dr.R.Rajesh Sharma AP/Dept. of , Adama Science & Technology University Ethiopia, Dr.S.Poornachandra, Recipient, IETE, R.S.Khandpur Award and Dr. J. V. Bibal Benifa, Assistant Professor, IIIT Kottayam, Dr.M.Chengathir selvi, AP/Dept. of IT, Kamaraj College of Engineering and Technology. The main objective of this Webinar is to process of building, cleaning, and structuring datasets to analyze and extract meaning.



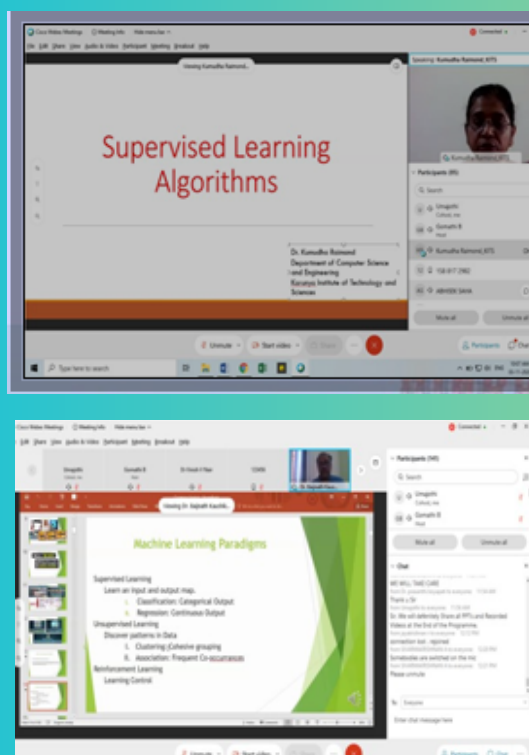
**AICTE Sponsored One Week Short Term Training Programme** on “Potential and Challenges for Integrating 5G Networks and IOT Applications in Smart City Environment” AICTE Sponsored One Week Short Term Training Programme On “Potential and Challenges for Integrating 5G Networks and IOT Applications in Smart City Environment” was held on 19.10.2020 to 24.10.2020 Slot I, 16.11.20 to 21.11.20 Slot II, 30.11.20 to 05.11.20 Slot III. It was inaugurated by Dr.N.Rajkumar, Head of the Department. The main aim of AICTE Sponsored Short Term Training Program (STTP) is to conduct faculty trainings through financial assistance from AICTE to enable faculty members in the field of technical education to introspect and learn techniques that can help prepare students for active and successful participants in a knowledge society.



## TECHNICAL ACTIVITIES

### Association Inauguration on "Open Source

RED HAT Technologies and Global Certification" Association Inauguration on "Open Source - RED HAT Technologies and Global Certification" was conducted on 9th Nov 2020. It was inaugurated by Dr.N.Rajkumar - Head of the Department of Information Technology. The sessions were handled by Mr. Ranjit Sengupta, Director and Chief Operating Officer, Vectra Technosoft Pvt Ltd, Chennai. The main aim of this Association for students welfare and motivate to complete Global Certification courses. More than 100 students were participated in this event.



### AICTE-ATAL Sponsored FDP on "Data Science"

AICTE-ATAL Sponsored FDP on "Data Science" was conducted on 02.11.2020 to 06.11.2020. It was inaugurated by Dr.N.Rajkumar - Head of the Department of Information Technology. The sessions were handled by Dr Gopi S, Professor, NIT, Trichy , Dr. Uday Pratap Singh, Associate Professor, Shri Mata Vaishno Devi University, Jammu and Kashmir, Dr Kumudha Raimond, Professor, Karunya University, Coimbatore, Dr Baijnath Kaushik, Associate Professor, Shri Mata Vaishno Devi University, Jammu and Kashmir, Dr Bibal Benifa J V Assistant Professor IIIT Kottayam, Kerala, Vijay Krishna Menon, AP, Comp Engg and N/W, Amrita Vishwa Vidyapeetham,Coimbatore. This FDP aims at the professional development of faculty members of instruction to accelerate knowledge of faculties in the field of data science. More than 200 faculties were participated and benefited through this FDP.

### INAUGURATION OF DATA ANALYTICS CLUB

Inauguration of Data Analytics Club was organized on 12-11-2020. As a part of Inauguration Guest Lecture was delivered in the title "TechTalk of the Club on Data Analytics and its Importance in the Industry". The Inauguration and Session delivery were handled by the Resource Person Mr. K.S.Siddesh Ram Director – Human Resources & Operations, AugRay, Chennai.

## PAPER PUBLICATION

S.No	Name of the Author	Title of the paper	Name of the Journal, Volume No, Issue No, Page No, Month and Year
1	Dr Rajkumar N	International Journal of Ambient Intelligence and Humanized Computing (Springer)	Improved Local Fisher Discriminant Analysis based Dimensionality Detection for Cancer Disease Prediction, Vol. 12, PP. 8083-8098, Sep 2020.
2	Mr Ganesan M	International Journal of Advanced Research in Engineering and Technology	N-Semi Regular Graph-Based Fuzzy Semi-Supervised Learning approach for Fault Detection and Classification in Photovoltaic arrays, Vol .11, Issue 9, Pg. 887-896, Sep 2020
3	Mrs Revathi P	Zeichen Journal	IOT Enabled Air Pollution Monitoring System with digital Dashboard on Smart Phone, Vol 06, Issue. 10, Sep 2020
4	Mr Sudhakar K	Journal of Green Engineering	A Secured Energy Efficient Data Communication using Multi Objective Aware Micro Macro Clustering with Packet Drop Attack Detection for Military Applications in MANETS, Vol. 10, Issue. 11,
5	Mr Antony Vijay J	Computational Methods and Data Engineering	A Dynamic Approach for Detecting the Fake News Using Random Forest Classifier and NLP, Vol. 02,

**SEMINARS / WORKSHOPS ORGANIZED BY THE FACULTY MEMBERS**

S.No	Name of Seminars / Workshops	Date	No. of Beneficiaries
1	Webinar on “untapped opportunities in manufacturing”	2/6/2020	110
2	One day webinar program titled" Introduction to online circuit builder & simulator"	9/6/2020	112
3	International Webinar on "Basics of automotive embedded systems and overview on automotive protocols"	12/6/2020	98
5	International Webinar Series on "Demand Shift for Skilled Engineers in Electric Vehicle Industry" & "Indian Automotive Industry-Job & Tech"	7/9/2020 & 8/9/2020	121

## SEMINARS / WORKSHOPS ORGANIZED BY THE FACULTY MEMBERS

S.No	Name of Staff	Date	Title of the FDP/Seminar/Workshop/STTP/ Training program	Name of Organizing Institute	Place
1	Dr.S.J.Narmadha	04.07.2020	Webinar on Education 4.0 - quality Accreditation and Ranking	Swami Keshvanand Institute of Technology , Management	Gramothan , Jaipur
2	Mr.G.Thilak	14.07.2020	Four Days online International Faculty Development Programme (FDP) on "Solar Energy Applications "	HICET	Coimbatore
3	Mr.G.Thilak	22.07.2020	Five Days National Level Faculty Development Programme on "RESEARCH OPPORTUNITIES IN ADVANCED WELDING PROCESSES"	HICET	Coimbatore
4	Mrs.S.S.Sindhu	01.07.2020	TEQIP III Sponsored 1st online National conference on Recent Trends in Thermal Sciences & Alternate Energy Resources presented paper tiitle "Radio Frequency Analysis on Stealth F-35 using Hybrid Fiber Reinforvec Composite Materials "	GCT, Coimbatore & NIT,AP	Coimbatore



## TECHNICAL ACTIVITIES

### PROSPECT OF ENGINEERING IN SPACE

Department of Mechatronics Engineering Conducted a National Level Webinar on “PROSPECTS OF ENGINEERS IN SPACE” Organized by Mr.M.M.Jegan AP/MCT on 21.11.2020. This event helps to learn about space engineering that involves the design, development, and operation of technologies and systems related to space exploration, satellite communications, and space-based research.

**HINDUSTHAN COLLEGE OF ENGINEERING & TECHNOLOGY**  
VALLEY CAMPUS, POLLACHI HIGHWAY, COIMBATORE  
APPROVED BY AICTE, NEW DELHI, ACCREDITED WITH 'A' GRADE BY NAAC  
(AN AUTONOMOUS INSTITUTION, AFFILIATED TO ANNA UNIVERSITY, CHENNAI)  
COIMBATORE - 641 022

**DEPARTMENT OF MECHATRONICS ENGINEERING**

**SPEAKER**  
AVENASH A  
SCIENTIST/ENGINEER  
ISRO BANGALORE

**PROSPECTS OF ENGINEERS IN SPACE**

**DATE : 21-11-2020**  
**TIME : 5.00 - 6.00 pm**

**FREE REGISTRATION AT**  
<https://qrqo.page.link/FnVw7>

**Meeting Platform**  
GOOGLE MEET  
<https://meet.google.com/pkb-ekew-eefha-1220?authuser=1>

**CONVENOR**  
DR. S. J. NARAYAN  
PROFESSOR & HEAD

**CO-ORDINATOR**  
M.M.JEGAN  
ASSISTANT PROFESSOR

**E-CERTIFICATE WILL BE PROVIDED**  
Meeting link will be sent to your mail

**NSS COLLEGE OF ENGINEERING, PALAKKAD, KERALA**  
Government Aided Engineering College,  
Affiliated to APJ Abdul Kalam Technological University and Approved by AICTE

**AICTE SPONSORED ONLINE SHORT TERM TRAINING PROGRAMME (STTP) SERIES**  
ON  
**RAPID PROTOTYPING AND DIGITAL MANUFACTURING**  
ORGANISED BY  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
(Accredited by NBA)

**SERIES I – 02<sup>nd</sup> November 2020 to 07<sup>th</sup> November 2020**

No Registration Fee  
E- Certificate will be provided  
Last date for registration: 30<sup>th</sup> October 2020  
Notification of acceptance: 31<sup>st</sup> October 2020

**For Registration:**  
<https://forms.gle/N14p9RwXaySFxc6P8>

**Vision of the Department:**  
To develop the department at par with global standards of excellence in Mechanical Engineering producing self motivated knowledgeable and technically competent engineers, meeting the needs of industry and society

**Mission of the Department:**

1. To provide quality education in Mechanical Engineering for building competent professionals of global standards.
2. To mould self-motivated Mechanical Engineers catering the industrial needs.
3. To inculcate ethical values among Mechanical Engineers meeting the scientific, technological and entrepreneurial needs of the society.

**1st** Mechanization, water power, steam power  
**2nd** Mass production, assembly line, electricity  
**3rd** Computer and automation  
**4th** Cyber Physical Systems

### RAPID PROTOTYPING AND DIGITAL MANUFACTURING

Mr.P.Karthick, Faculty of Mechatronics Engineering Department AICTE sponsored National level Online STTP series on “RAPID PROTOTYPING AND DIGITAL MANUFACTURING” from 02/11/2020 To 07/11/2020 organized by NSS COLLEGE OF ENGINEERING, PALAKKAD, KERALA. This event helps student to learn the techniques used to quickly fabricate a scale model of a physical part or assembly using three-dimensional computer aided design (CAD) data.

### OVERVIEW ON-GASOLINE ENGINE MANAGEMENT SYSTEM

Department of Mechatronics Engineering Conducted a National Level Webinar on “OVERVIEW ON-GASOLINE ENGINE MANAGEMENT SYSTEM” Organized by Mr.M.M.Jegan AP/MCT on 11.11.2020. This event helps to learn how Gasoline Engine Management System electronically controls combustion parameters (amounts of air and fuel and ignition timing) to increase engine output and reduce emissions and fuel consumption.

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COIMBATORE - 641 022

**DEPARTMENT OF MECHATRONICS ENGINEERING**

**SPEAKER**  
NIRAL BHARATH KUMAR  
APPLICATION PROJECT  
MANAGER  
BOSCH INDIA LTD,  
BENGALURU

**OVERVIEW ON**  
**GASOLINE ENGINE MANAGEMENT SYSTEM**

**DATE : 11-11-2020**  
**TIME : 11.30 - 12.30 pm**

**FREE REGISTRATION AT**  
<https://qrqo.page.link/1ijLP>

**Meeting Platform**  
Cisco webex

**CONVENOR**  
DR. S. J. NARAYAN  
PROFESSOR & HEAD

**CO-ORDINATORS**  
M.M.JEGAN  
ASSISTANT PROFESSOR

**E-CERTIFICATE WILL BE PROVIDED**  
Meeting link will be sent to your mail

## FUNDED PROJECTS & SEMINAR GRANTS

S. No	Project Title	Funding Agency	Amount sanctioned	Scheme
1	Additive Manufacturing	AICTE	Rs. 93,000	ATAL

### ADDITIVE MANUFACTURING

Department of Mechanical Engineering Conducted a AICTE ATAL Sponsored FDP on "ADDITIVE MANUFACTURING" Organized by Dr.J.Manikandan Professor/Mech from 16.0.2021 to 20.02.2021 .

## TECHNICAL ACTIVITIES

### Up skilling for Industry 5.0 Challenges

Department of Mechanical Engineering conducted International Webinar on “Up skilling for Industry 5.0 Challenges” Chief Guest Mr.R.Vijayakumar, Airbus Group, UK on 12th June 2020. This event helps to shape presently, Industry 5.0 promises about great shifts in industrial processes and the business and consumption models—the advantages of Industry 5.0 concern two major actors: manufacturers and consumers.



### Solar Energy

Department of Mechanical had conducted an International level FDP on “Solar Energy” Chief Guest Dr.K.Sobian, Malaysia University from 14-07-2020 to 17-07-2020. This event helps students to learn about how the solar power works, its application and its future needs.

### OPPORTUNITIES IN ADVANCED WELDING PROCESSES

The Faculty Development Program on RESEARCH OPPORTUNITIES IN ADVANCED WELDING PROCESSES was conducted by the Department of Mechanical Engineering. Chief Guests were Dr.V.P.Ragupathy, Bangalore University, Dr.P.Sethuram, PES University, Dr.N.Murugan, PSG Institute of Technology, Dr.Sathish Vasu Kailas, IISC, Bangalore. This FDP helps to learn about the advanced welding Technologies, how to improve the process of welding.



## PAPERS PUBLISHED

S.No.	Calendar Year	Title of paper	Name of the author/s	Name of Journal
1	2020	Active Vibration Control of Rotating Machines	Dr.K.Siva	Solid State Technology
2	2020	Numerical simulation on solar collector and cascade heat pump combi water heating systems in Kazakhstan Climates	Dr.M.Mohanraj	Renewable Energy Elsevier Publishers
3	2020	Investigations on air deliver landing plan utilizing Genetic Algorithm( GA) and Opposition based GA with Cauchy Mutation (OGACM) and correlations of Punishment cost	Dr.C.Nithyanandam	Test Engineering & Management
4	2020	Experimental investigations of reciprocating wear behaviour of metal matrix (Ti/TiB) composites	Dr.M.Mohanraj	Archives of Civil and Mechanical Engineering



## PAPERS PUBLISHED

S.No.	Calendar Year	Title of paper	Name of the author/s	Name of Journal
5	2020	Research on aircraft landing schedule using opposition-based genetic algorithm with Cauchy mutation	Dr.C.Nithyanandam	Int. J. Business Intelligence and Data Mining, Inderscience Publishers
6	2020	Shape modification of automatic actuated fire Sprinkler (AAFS) made up of NiTiNol spring	Dr.Y.Ras Mathew	Journal of the Balkan Tribological Association
7	2020	Impact of 3rd grade nano fluid flow across a convective surface in the presence of inclined Lorentz force- An approach to entropy optimization.	Dr.M.Mohanraj	Journal of Thermal Analysis and Calorimetry
8	2020	Modelling & Analysis of an EN8 crankshaft material in comparsion with forged steel crankshaft	Mr.A.Sasikumar	Journal of Materials today Proceedings

## EVENTS CONDUCTED

The orientation programme for first year students was conducted virtually with the strength of more than thousand students. The occasion was graced by the presence of our secretary Tmt. Saraswathi kannaiyan and joint secretary Mrs.Priya Sathish.The orientation program was conducted to empower students to become confident in facing personal and professional life challenges.



Hindusthan Engineering Institutions 2021 inauguration



## TEACHERS DAY CELEBRATION

The Department of Science and Humanities celebrated TEACHER'S DAY on 06/09/2020. Dr.K.P.UMA Head of Dept. of S&H welcomed all Teachers , Resource persons ,Principal & Dean. Dr.K.KARUNAKARAN CEO & Principal inaugurated the function .he highlighted the potential of teaching and advised everyone to be role model to students. The Department of Science and Humanities along with Orient Life Insurance together organized this function in order to felicitate all teachers on this auspicious day. Resource Persons Mrs.Geetha Branch Manager, Mr.Raja Agency dev manager, Mr.Pritjivraj Channel Dev Manager ,felicitated all teachers by providing memento. Dr.MAGUDEESWARAN, DEAN Academics, honoured all teachers by giving memento.

## Science Day celebration

The Department of Science and Humanities celebrated science day on 27.02.2021.The Science Day celebration was a remarkable event, inspiring and enlightening. It showcased the wonders of science, fostering curiosity and knowledge among participants. It was a day of discovery, sparking the imaginations of young and old alike, as we celebrated the incredible achievements of science and its impact on society.

**HINDUSTHAN**  
College of Engineering and Technology,  
Valley Campus, Pollachi Highway,  
Coimbatore-32

**NATIONAL SCIENCE DAY CELEBRATION - 2021**  
THEME (FUTURE OF STI : IMPACTS ON  
EDUCATION, SKILLS & WORK)  
( VIRTUAL MODE)

DEPARTMENT OF SCIENCE AND HUMANITIES  
& SCIENCE CLUB CELEBRATES  
NATIONAL SCIENCE DAY 2021

Events

1. Science Model
2. Painting Competition-Save my Environment
3. Pencil Sketch
4. Quiz-Live with Science
5. Short Film
6. Innovative Ideas in oral presentation
7. Essay Writing- How Technology build the Nation
8. Poster competition - Science, Technology & Innovation
9. Elouction on Galaxy & Raman Effect

**SCIENCE DAY**  
27 FEB, 2021

**CHIEF GUEST**  
Dr. J. R. Pazhaniswami  
District Scientific Officer,  
Regional Science Centre,  
Coimbatore-14.

Registration link:  
<https://forms.gle/pq2AUFSGZEmWak0r9>

உங்களில் யார் இத்துவத்தாளிகள்  
அர். ஏ.பி.ராஜமணி

Dr.S.Balamurali  
ASP/Physics &  
Go-ordinator  
& Science Club Members

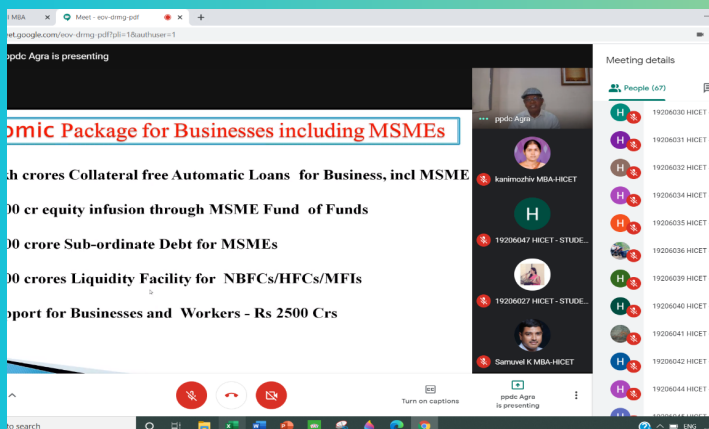
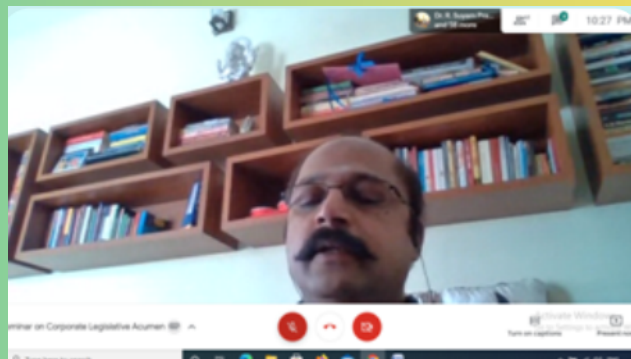
Dr.K.P.Uma  
Prof & Head,  
Dept.of S&H  
Convener

Dr.K.Karunakaran  
Principal & CEO,  
Hicet

## EVENTS CONDUCTED

### Corporate legislative acumen for business managers

Webinar on “Corporate legislative acumen for business managers” was conducted on 29 August 2020. The resource Person was Dr.C.V.Madhusudhanan, Partner - KSR & Co, Company Secretaries LLP, Coimbatore. The resource person focused on the importance of awareness about legislative norms for business managers.

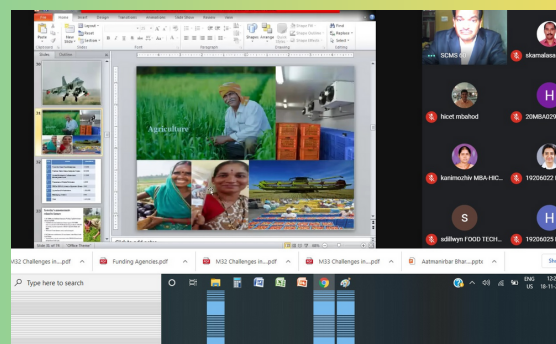


### Road ahead for MSMEs

Webinar on “Road ahead for MSMEs” was conducted on 5 September 2020. The resource Person was Mr.Panneerselvam Ramasamy, Principal Director, MSME Technology Development Centre, Agra (UP). The resource person discussed the revised definition of MSMEs, economic packages for MSMEs and measures taken by RBI. He also stressed the importance of MSME in economic development.

### Role of Business Analyst

The Department of Master of Business Administration conducted a Webinar on “Role of Business Analyst” was organised on 27 October 2020. The Resource Person Was Mr.HN.Shashikiran, Chief Counsultant, Optimal Minds, Bengaluru. He explained the future and need of business analytics and buisness analyst



## **FACULTY PARTICIPATION IN WEBINARS, CONFERENCES, WORKSHOPS, CONCLAVE**

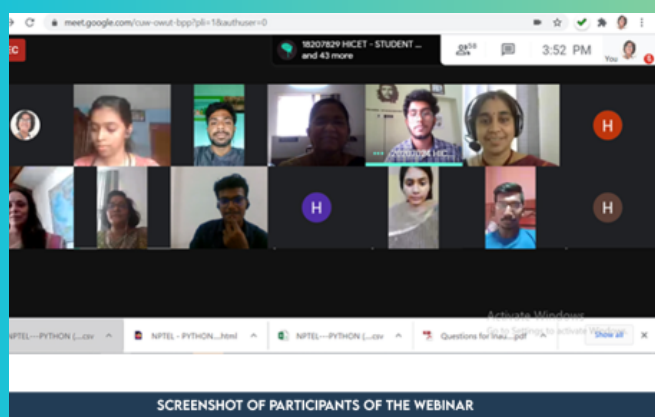
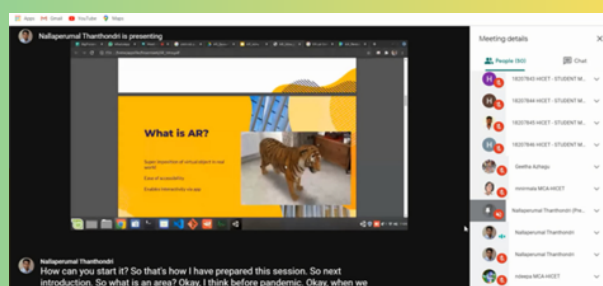
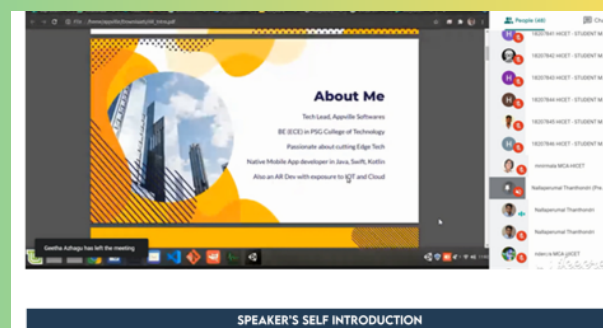
- Dr Samuvel K - Director, participated in Seminar on "International Business Seminar", organised by Hindusthan College of Arts and Science, Coimbatore, on 23 October 2020.
- Dr.M.Bhuvaneswari, Associate Professor, attended a webinar on "Investing in Mutual funds Simplified" organised by V M's Damodar College of Commerce and Economics on 9 July 2020. Dr.S.Kamalasaravanan, Associate
- Professor, participated in International Seminar which was Organised by Hindusthan College of Arts and Science, Coimbatore, on 23 October 2020.
- Mrs.V.Kanimozhi, Assistant Professor attended an one day Webinar on "Border less business skills", organised by Sakthi Institute of Information and Management Studies, on 13 November 2020
- Dr.R.Suyam Praba, Assistant Professor attended an International Conference on "Recent Advances in Management & Technology (ICRAMT-2020)", organised by Faculty of Management, Invertis University, Bareilly UP India, in association with Livingstone College Salisbury, North Carolina, USA, Johnson C SMI University Charlotte, USA, and The Institute of Company Secretaries of India, on 8 nd 9 January 2021
- Dr Samuvel K - Director, participated in webinar on "Art of Living - The secret of Breath from Student to Manager", organised by HiCET, on 1 December 2020.
- Mrs.V.Kanimozhi, Assistant Professor attended an one day Webinar on "Investment Practices in Share Markets", organised by School of Commerce of KPR College of Arts Science and Research, on 31 July 2020.



## EVENTS CONDUCTED

**Augmented Reality and Virtual Reality**

The Department of MCA had conducted a Webinar on “Augmented Reality and Virtual Reality” was organised on 22 September 2020. The Resource Person Was Mr.Nallaperumal, Co-Founder and Technical Lead , Appvile Software, Coimbatore. Students were introduced about difference between augmented reality and virtual reality,types of AR devices and its usage in education. VR applications range from gaming and entertainment to educational and training experiences, such as virtual tours, simulations, and virtual classrooms.



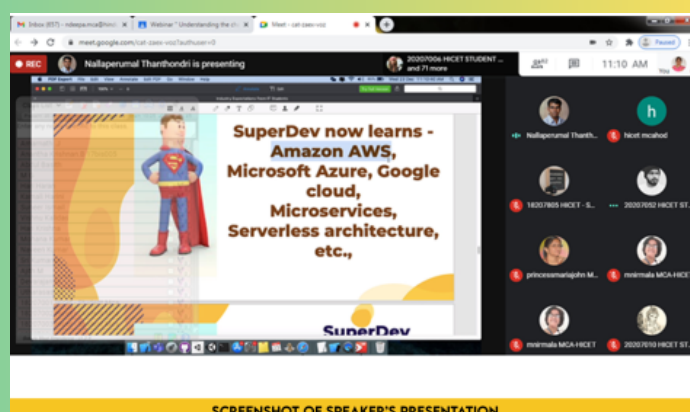
SCREENSHOT OF PARTICIPANTS OF THE WEBINAR

**Importance of Coding skill**

The Department of MCA had conducted a Webinar on “Importance of Coding skill” was organised on 05th November 2020. The Resource Person Was Mrs.Deepa Vaitheeswaran ,business owner,kaivalya Tech Services, Pondicherry. Students were introduced about difference between coding and programming .Students were asked to code and learn the basic terminologies of a programming language.

**Industry Expectation from IT Students**

The Department of MCA had conducted a Webinar on “Industry Expectation from IT Students” was organised on 23rd December 2020. The Resource Person Was Mr.Nallaperumal,Co-Founder and Technical Lead , Appvile Software, Coimbatore. This event helped the student to have a wider idea of what are expected out of them when they enter IT career.They gained knowledge regarding latest coding languages.



SCREENSHOT OF SPEAKER'S PRESENTATION

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