

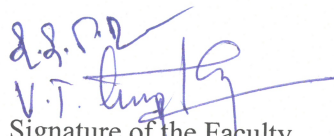
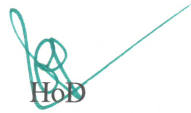
Hindusthan

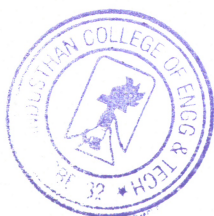
College of Engineering and Technology,

Valley Campus, Pollachi Highway, Coimbatore 641 032.

www.hicet.ac.in

Report for Programme organized

Name of the Faculty : Dr.GOPINATHAN VT & SIVARAMAN S	
Department : Aeronautical Engineering	Designation : Assistant Professor
Name of the Event : "Bio – Inspired Design, materials and characteristics- Aviation perspective"	
Level : / College Level	
Venue / Mode : Online – Google meet	
No. of Days : Half day	Dates : 07th September 2022 Session : 11.00 -12.30 pm
Funded by : The Institution of Engineers (India), Coimbatore Local Centre	
No. of Participants : 115	Registration charges (if any) : NIL
Name and Designation of Resource Person(s) : Dr J BRUCE RALPHIN ROSE, Associate Professor Department of Aeronautical Engineering Anna University Regional Campus, Tirunelveli	
Outcome : The webinar focused on the significance Biomimetic techniques, its fabrication methods, the coating methods to overcome attitude and icing effects, ideas to change configuration of wings and its aerodynamic performances.	
Remarks and Feedback on the Event : The lecture was more useful and highly informative. The questions were asked by students and got cleared by the guest speaker in an eminent way. The participants gave excellent feedback about the lecture. Nearly participants attended the session.	
Plan of Implementing in HiCET (if any) : Nil	
 Signature of the Faculty  HOD  Principal	



PRINCIPAL
Hindusthan College of Engineering & Technology
COIMBATORE - 641 032

Copy of the Event Brochure / Invitation:



The Institution of Engineers (India)
Coimbatore Local Centre

In association with

Department of Aeronautical Engineering
Hindusthan College of Engineering and Technology, Coimbatore
organizes

A Technical Webinar on
“Bio-Inspired Design, Materials and Characteristics - Aviation Perspective”





by

Dr J BRUCE RALPHIN ROSE
Associate Professor
Department of Aeronautical Engineering
Anna University Regional Campus, Tirunelveli

on 07th September 2022 (Wednesday), 11.00 AM

Dr S Shanmugam FIE
Chairman

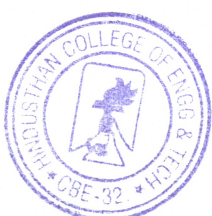
All are Cordially Invited !

<https://meet.google.com/xga-ulgj-iki>

Dr J Krishnamoorthi FIE
Honorary Secretary

A Technical Webinar on
“Bio-Inspired Design, Materials and Characteristics - Aviation Perspective”
07th September 2022 (Wednesday), 11.00 AM

<i>Agenda</i>		
11.00 AM - 11.05 AM	Welcome Address	Dr S Shanmugam Chairman IE(I), Coimbatore Local Centre
11.06 AM - 11.10 AM	Presidential Address	Dr J Jaya Principal Hindusthan College of Engg., & Tech.
11.11 AM - 11.15 AM	Felicitation Address	Dr V T Gopinathan HoD, Dept. of Aeronautical Engg. Hindusthan College of Engg., & Tech.
11.16 AM - 11.20 AM	Introduction of the Guest Speaker	Mr S Sivaraman Assistant Professor, Dept. of Aeronautical Engg. Hindusthan College of Engg., & Tech.
11.21 AM - 11.55 AM	Webinar Lecture	Dr J Bruce Ralphin Rose Associate Professor Dept. of Aeronautical Engg Anna University Regional Campus, Tirunelveli
11.56 AM - 12.01 PM	Vote of Thanks	Dr J Krishnamoorthi Honorary Secretary IE(I), Coimbatore Local Centre





Report for

Conference / Seminar / Symposium / Workshop / FDP /
Refresher Course / Training / Industry Visit / Academic Visit /
Guest Lecture / Webinar / Online Course

Organized / Participated

Name of the Faculty : Mr. Yogaraja J	
Department : Automobile Engineering	Designation : Assistant Professor
Nature of the Event : Webinar	
Category : Automobile Engineering Division board on 22 September 2022	
Title : Electric and Hybrid Vehicle Technology	
Venue : Through online	
No. of Days : 01	Dates : 22-09-2022
Funded by : IE(I) Coimbatore Local centre	
No. of Participants : 98	Registration charges (if any) : Nil
Name and Designation of Resource Person(s) : Mr Karthikeyan Kesavalu Deputy Manager – EV Sales OKAYA Electric vehicle Coimbatore.	
Outcomes of the Event : ➤ Internal combustion engines (ICEs) are primarily notorious for the production of carbon dioxide (CO₂), carbon monoxide (CO), hydrocarbons (HC) and oxides of nitrogen (NO_x). Particulate matter (PM), or carbon soot, is another by-product of diesel as well as direct-injection petrol engines. ➤ Energy Efficiency: Hybrid vehicles utilize electric-drive technologies and traditional combustion engines to maximize fuel economy, and systems like regenerative braking recapture energy typically lost during braking. This results in less fuel consumption, fewer emissions, and less money spent at the gas pump. ➤ Hybrids have better fuel efficiency and conserve more energy, thus emitting fewer carbon emissions. Less Fossil Fuel Dependency: Since hybrid vehicles are able to utilize the high voltage battery pack and electric motor(s) for propulsion, they don't rely on fossil fuels as much as standard gas cars.	
Hybrid vehicles are electric cars that utilize small internal-combustion engines and an	

electric generator. The advantages of this concept are clear: increased fuel efficiency and reduced levels of pollution without the complications and maintenance requirements of a purely electrical-powered vehicle.

- To put it simply, hybrid cars run on both gas and electricity, reducing the amount of fuel, thus emitting a lower amount of greenhouse gases.
- Electric vehicles (EVs) offer an opportunity to replace fossil fuels in the transport sector. Electrification of the transport sector can also bring benefits in terms of increased energy efficiency and reduced local pollution.
- EVs provide economic benefits to the state by reducing fuel costs and shifting consumption away from imported oil to more locally produced electricity sources. These fuel savings become additional disposable income that will be spent mostly in the local economy, creating additional jobs in the state.
- Potential social benefits of EV subsidies include a reduction in global and local pollution externalities, industrial learning-by-doing, network externalities relating to charging infrastructure, and enhanced energy security.
- Electric cars are perceived as a positive externality of consumption on the society.
- There are a number of positive externalities associated with driving hybrid cars instead gasoline cars, including reduced greenhouse gas emissions, reduced air pollution and reduced dependence on foreign oil.

Remarks and Feedback on the Event :

The speaker addressed the participants about the Electric and Hybrid Vehicle Technology. He delivered a wonderful presentation about Electric & Hybrid vehicle and interacted with the students.

The speaker advised the long lifetime of vehicles and equipment and the increasing health burden in regions without adequate protections stress the urgency to introduce world-class standards, develop compliance programs, and adopt in-use measures that accelerate the replacement of high-emitting vehicles.

Plan of Implementing in HiCET (if any) :

Ravi
22/9/22
Signature of the Faculty

af
22/9/22
HoD

[Signature]
Principal
PRINCIPAL

Hindusthan College Of Engineering & Technology
COIMBATORE - 641 032.





The Institution of Engineers (India)
Coimbatore Local Centre



in association with
Department of Automobile Engineering
Hindusthan College of Engineering and Technology, Coimbatore
Organizes

**A Technical Webinar on
"Electric and Hybrid Vehicle Technology"**



by
Mr KARTHIKEYAN KESAVALU
Deputy Manager - EV Sales
OKAYA Electric Vehicles
Coimbatore

on 22nd September 2022 (Thursday), 11.00 AM

Dr S Shanmugam FIE
Chairman

All are Cordially Invited !

 <https://meet.google.com/zfg-pwqr-bxp>

Dr J Krishnamoorthi FIE
Honorary Secretary

Image of the Event Brochure /
Invitation

Geo-Tagged Photographs of Event – 2 Nos



11:13 AM | zfg-pwqr-bxp

Activate Windows
Go to Settings to activate Windows.

KARTHIKKEYAN ADHIKESAVALU is presenting

Advantages

- Lower running costs.
- Low maintenance cost.
- Electric Vehicles are easy to drive and quiet.
- Convenience of charging at home.

11:30 AM | zfg-pwqr-bxp

Activate Windows
Go to Settings to activate Windows.



Report for Workshop organized

Name of the Faculty: Mr.M.M.Jegan. / Mr.P.Karthik	
Department : Mechatronics Engineering	Designation : Assistant Professor
Name of the Event: Workshop on “ Registration of Intellectual Property Rights (IPR) without legal assistance ”	
Level : College Level	
Venue / Mode: on-line mode – SEMINAR HALL / HICET	
No. of Days : 1- DAY	Date : 29/10/2022 Saturday Time : 11.00a m to 01.00pm
Funded by : Nil	
No. of Participants : 250	Registration charges (if any) : Nil
Faculties & students 240	
Externals 10	
Name and Designation of Resource Person(s) : Mr. T.JAYACHANDRAN Founder and CEO - JC Filings, Advisor for IPR services, Trodo 3D Product Development, MSME registered company, Tiruppur, Tamil Nadu.	
Objective: Intellectual Property Rights (IPR) plays a vital role in enhancing the socio-economic prosperity of the country. Creativity and innovation are new drivers of the world economy. With the increasing relevance of Intellectual Property (IP) in this era of globalization, it is important to recognize the role which IP systems play in the growth of the Nation. Thus, there is a need to create large public awareness about the	



pivotal role of IPR in globalized knowledge economy. With the view to create awareness on the significance of IPR to the people from various sectors in the Country.

Outcome :

- The Workshop is intended to cover various aspects of IPR like Patents, Copyrights, Trademarks, etc.
- It is the key to protect innovations using available Intellectual Property Rights (IPR) in order to benefit the society and minimizing the risk of valuable ideas remain on the shelf
- The technical sessions will be led by the speakers having thorough knowledge in the subject who have been practicing in the field for many years

Remarks and Feedback on the Event:

The current global economic crisis is also focusing on renewed attention on the urgent need to incentivize and protect innovation to both solve the world's most challenging problems and to generate jobs and economic growth.

Plan of Implementing in HiCET (if any) : YES

1. 
2. 

Signature of the Faculty



HOD / MCT





Principal

PRINCIPAL

Category: IIC –Self Driven Activity

Hindusthan College of Engineering & Technology
COIMBATORE - 641 032

Name of Student Coordinator: Mr.S.Viswaraja / II-Year / MCT

Mr.L.Santhosh / II-Year / MCT

Weather Event Brochure / Invitation Published in Social Media : Yes

If Yes, Mention Link details:

<https://www.facebook.com/photo/?fbid=500372948776216&set=a.471272451686266>

Brochure of the event : Enclosed



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 - 641 032

DEPARTMENT OF MECHATRONICS ENGINEERING

In association with
The Institution of Engineers (India)
 Coimbatore Local Centre

PRESENTS
 IIC-SELF DRIVEN ACTIVITY

Webinar on
"Registration of Intellectual Property Rights (IPR) without legal assistance"

E-Certificate for all
 participants



DATE 29/10/2022

TIME 11:00 AM to 1:00 PM

Resource Person
Mr. T. Jayachandran
 Adviser, IPR services
 Trade 3D, Tiruppur.

Meeting Link : <https://meet.google.com/ypd-mxpx-hps>

Co-ordinator

Mr. M.M. Jegan
 Mr. P. Karthik
 AP, MCT

Convenor

Dr. P.T. Saravana kumar
 HOD, MCT

Principal

Dr. J. Jaya

CEO

Dr. K. Karunakaran

Venue: CSE-SEMINAR HALL - HICET

Appreciated Certificate for the Event: Enclosed





Brouchure of the event :

The Institution of Engineers (India)
Coimbatore Local Centre
in association with
Department of Mechatronics Engineering
Hindusthan College of Engineering and Technology, Coimbatore
Organizes
A Technical Webinar on
"Registration of Intellectual Property Rights (IPR) without Legal Assistance"

by
Mr T JAYACHANDRAN
Adviser, IPR Services
Trodo 3D, Tiruppur
on 29th October 2022 (Saturday), 11.00 AM

Dr S Shanmugam FIE
Chairman

All are Cordially Invited
<https://meet.google.com/ygd-mxpx-hps>

Dr J Krishnamoorthi FIE
Honorary Secretary

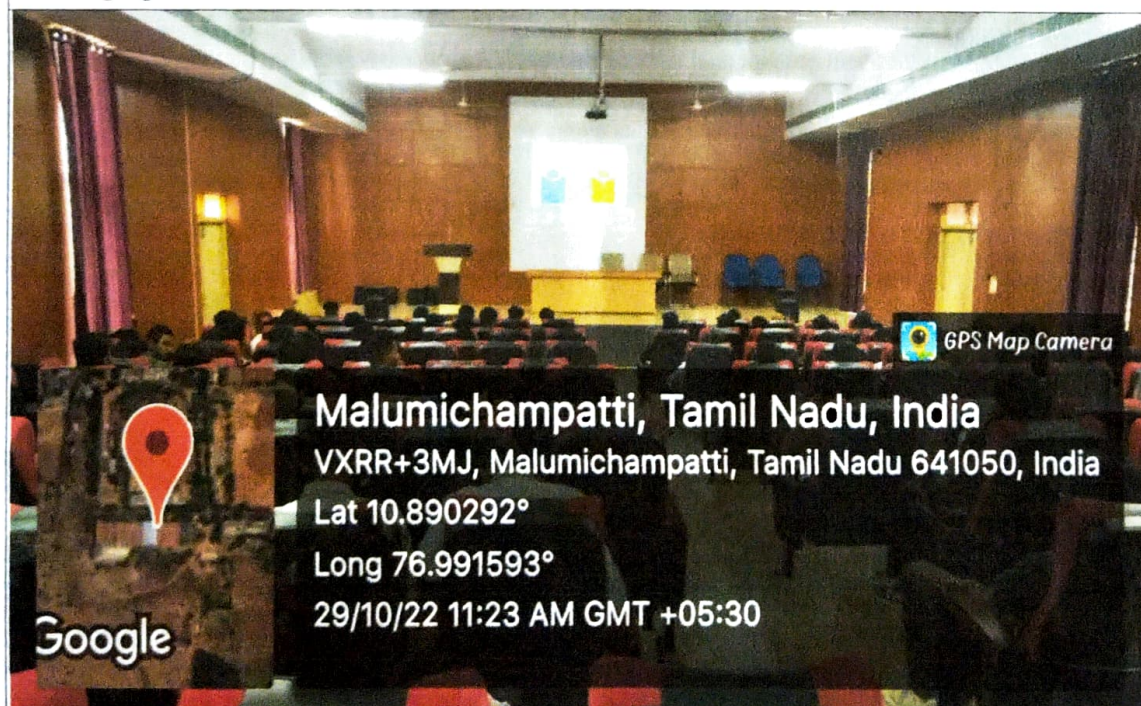


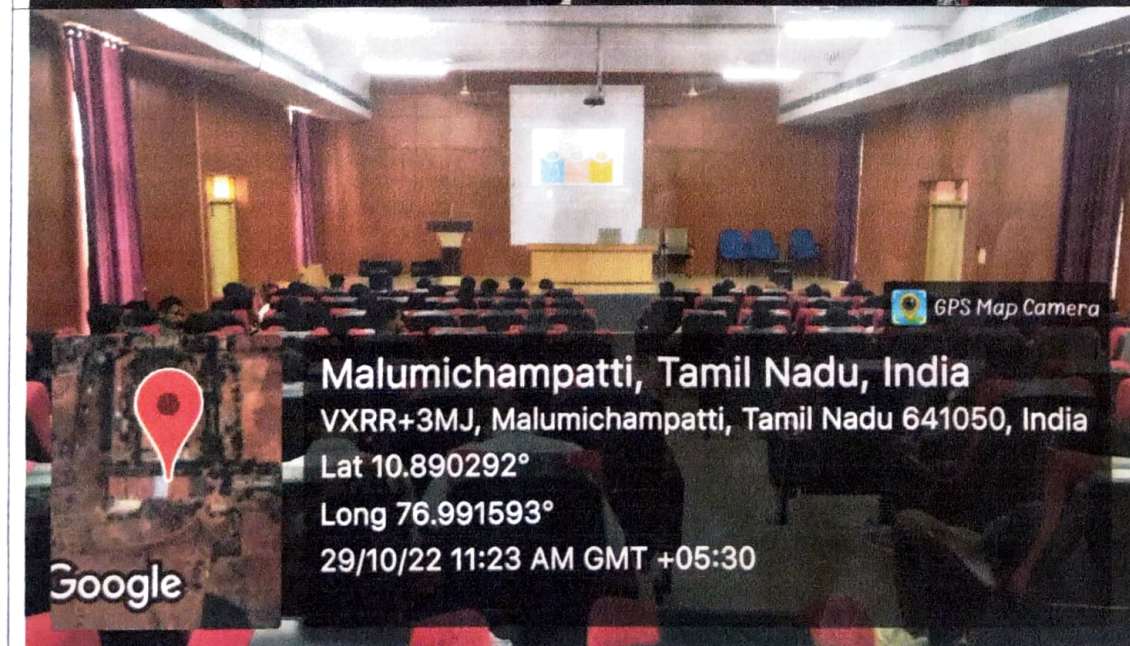
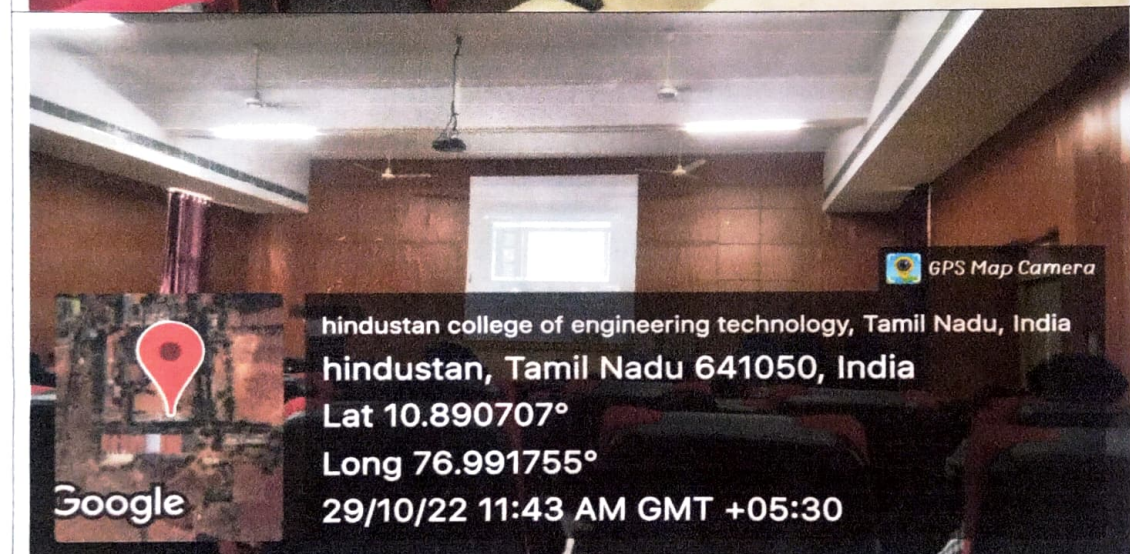
A Technical Webinar on
“Registration of Intellectual Property Rights (IPR) without legal assistance”
29 September 2022 (Wednesday), 11.00 AM

Agenda

11.00 AM - 11.05 AM	Welcome Address	Dr S Shanmugam Chairman IE(I), Coimbatore Local Centre
11.06 AM - 11.10 AM	Presidential Address	Dr J Jaya Principal Hindusthan College of Engg., & Tech.
11.11 AM - 11.15 AM	Felicitation Address	Dr P T Saravanakumar HoD, Dept. of Mechatronics Engineering Hindusthan College of Engg., & Tech.
11.16 AM - 11.20 AM	Introduction of the Guest Speaker	Mr M M Jegan Assistant Professor, Dept. of Mechatronics Engineering Hindusthan College of Engg., & Tech.
11.21 AM - 12.15 PM	Webinar Lecture	Mr T Jayachandran Founder and CEO - JC Filings, Advisory Board member for IPR services, Trodo 3D Product Development, MSME registered company, Tiruppur, Tamilnadu.
12.16 PM - 12.20 PM	Vote of Thanks	Dr J Krishnamoorthi Honorary Secretary IE(I), Coimbatore Local Centre

Photographs of Event







INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of HRD, Government of India)



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 - 641 032



DEPARTMENT OF MECHATRONICS ENGINEERING

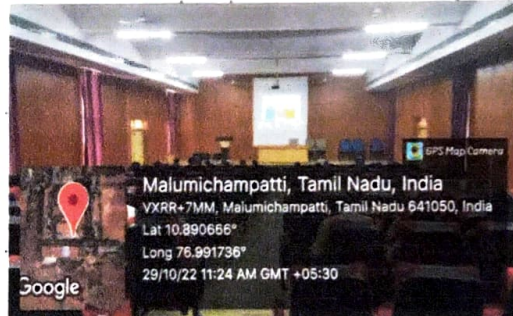
In association with

The Institution of Engineers (India)

Coimbatore Local Centre

Webinar on

"Registration of Intellectual Property Rights (IPR) without legal assistance"



DATE 29 / 10 / 2022

TIME 11 : 00 AM to 1 : 00 PM

Venue: CSE-SEMINAR HALL -HICET




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


Report for Seminar organized

Name of the Faculty: Mr.T.Prabhu		
Department : Mechatronics Engineering		Designation : Assistant Professor
Name of the Event: Seminar On “Mathematical modeling and simulation in engineering applications”		
Level : College Level		
Venue / Mode: Physical – CSE Ganga Seminar hall / HICET		
No. of Days : 1- DAY		Date : (21/11/2022) (MONDAY- (09.30 Am to 04.30 Pm)
Funded by : 10000		
No. of Participants :		Registration charges (if any) : nil
Internals Students	60	
Externals Students	02	
Name and Designation of Resource Person(s) :		
1.Dr. M.Suresh Madhavan Technical Head Simgrosys Consulting Services Private Ltd, Coimbatore, India	2.Dr Anitha Sakthivel, Assistant Professor Department of Mathematics PSG Institute of Technology and Applied Research	3.Dr P T Saravanakumar Professor & Head, Dept. of Mechatronics Engg., Hindusthan College of Engg. and Tech., Coimbatore
Objective:		
➤ He delivered his speech on "Mathematical modelling and simulation in Engineering Application" and explained the concept of Mathematical modelling and simulation with real time Engineering Applications and shown		



Outcome :

- Got detailed knowledge of Mathematical modeling.
- Learned the importance of Simulation in real time applications.
- Gained knowledge in real time applications with mathematical simulations.

Remarks and Feedback on the Event:

Faculties and students found the topic very interesting and asked relevant questions on Mathematical modelling and simulation

Signature of the Faculty

Prasanna
HoD

Principal

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





HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY

The Institution of Engineers (India)
Coimbatore Local Centre

in association with

Department of Mechatronics Engineering
Hindusthan college of Engineering and Technology
Coimbatore

Cordially invites you for the Inauguration of
One Day Seminar
on
"Mathematical Modeling and Simulation in Engineering Applications"

Under the Aegis of
Mechanical Division Board, IE(I)

21 November 2022 (Monday) at 09:30 AM



Dr. M. SURESH MADHAVAN
Technical Head CFD
Simagrosys Consulting Services Private Ltd,
Coimbatore,
India

Venue : Ganga Seminar Hall, HiCET, Coimbatore



Dr S Shanmugam FIE
Chairman

Dr J Krishnasmoorthi FIE
Honorary Secretary



Photo of Inaugural Session with banner of IEI



Photo of Inaugural Session



Photo of Inaugural Session



Photo of a Technical Session



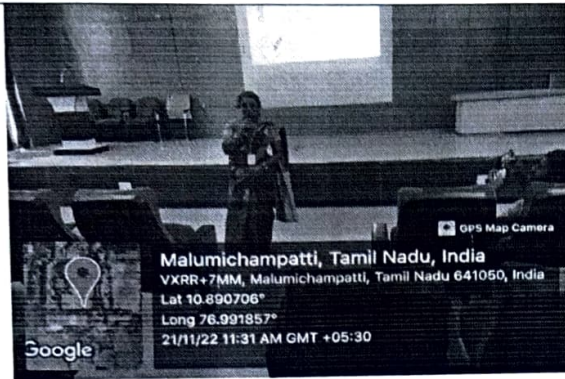


Photo of a Technical Session



Photo of Paper Presentation

ABOUT THE INSTITUTION OF ENGINEERS

The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform from which to share professional interest. IEI has membership strength of over 9.8 million. Established in 1920, with its headquarters at 5 Gokhale Road, Kolkata - 700020, IEI has served the engineering fraternity for over nine decades. In this period of time it has been inextricably linked with the history of modern-day engineering.

In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India to be accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. IEI functions among professional engineers, academicians and research workers. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating from 125 Centres located across the country. The Institution also provides grant-in-aid to its members to conduct research and development on engineering subjects.

IEI has been recognized as Scientific and Industrial Research Organization (SIRO) by the Ministry of Science & Technology, Govt. of India and besides conducting its own research, provides Grant-in-Aid to UG/PG/ PhD students of Engineering Institutes & Universities.

IEI holds the International Professional Engineers (IndPE) Register for India under the global International Professional Engineers Alliance (IndPEA). The Institution also awards the Professional Engineers (PE) Certification.

For details, please visit www.ieiindia.org

ABOUT THE IE(I) CLC

The Centre was founded in the year of 1965, under the Chairmanship of Dr G.R. Damodaran, an educationist, the former Vice - Chancellor of Madras University, philanthropist and also the architect of PSG College of Technology, Coimbatore who lived for the technology development of the Nation. For more than five decades, the IE(I), Coimbatore Local Centre (CLC) has contributed a lot to the engineering community and to the society as a whole. The IEI, Coimbatore Local Centre recently received the "Best Local Centre" based on the activities during 2019-2020.

ABOUT HICET

Hindusthan College of Engineering and Technology (HiCET) Coimbatore, established in the year 2000 by the great Industrialist and Philanthropist, Thiru.T.S.R.Khanmariyann 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. 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.

ABOUT THE DEPARTMENT

The Department of Mechatronics Engineering was established in the year 2011. The Department is directed by a dedicated team of teaching and non-teaching staff with a wide range of experience, and it has well-equipped laboratories and good infrastructure to support the autonomous curricular needs. Until now, the department has been in the forefront of advancing Mechatronics education and indigenous research in the field of Mechatronics.

THEME OF THE SEMINAR

The aim of the Seminar is to bring together researchers from mathematics and engineering in the field of mathematical modeling and simulations in Engineering Applications. With the advent of powerful computers and advanced mathematical algorithms, computational fluid dynamics (CFD) has revolutionized in engineering domains all over the world. In India also, all the engineering fields and designers are depending heavily on Numerical techniques for the accurate prediction of various aerodynamic and propulsion parameters in the design exercise.

While experimental testing will always remain an integral part of the design, numerical simulation is reducing the dependencies on experimental testing and has emerged as one of the important design tools for various applications in design. Maturity of numerical simulation is enabling modelling and simulation of flow over aerospace vehicles with full geometric complexities including various combinations of weapons. CFD has emerged as an important tool in the design and analysis activities of various fields in India and contributing to a faster, accurate, and less expensive design process.

SUB- THEME OF THE SEMINAR

- Advanced mathematical algorithms
- Mathematical modeling and simulations in Engineering Applications
- Computational fluid dynamics (CFD)
- Numerical simulation

IMPORTANT DATE

- Last date of Registration: 19.11.2022
- Spot registration may be permitted

One Day Seminar

on
**"Mathematical Modeling and
 Simulation in Engineering
 Applications"**

on
21.11.2022



Organized by

**The Institution of Engineers (India)
 Coimbatore Local Centre**

Under the aegis of
Mechanical Engineering Division Board, IE(I)

in association with



**Department of Mechatronics Engineering
 Hindusthan
 College of Engineering and Technology
 (An Autonomous Institution)
 Coimbatore - 641 032**

Venue: Hindusthan
 College of Engineering and Technology

