



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited with "A" Grade by NAAC

Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119.

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www.sathyabama.ac.in



Year	Name of the workshop/ seminar	Number of Participants	Date From – To
2020	Seminar on Model-Based Development of Electric Power - Train	63	13.01.2020
2020	Seminar on Mathematical Modelling of Electric & Hybrid Electric Vehicles with Virtual tools and Cyber-Physical Systems	87	28.01.2020
2020	Workshop on Applications of CATIA	75	13.02.2020
2020	DST – SERB Sponsored Two Day National WORKSHOP on Automotive Pollution and Emission Control (NSAPEC 2020)	150	05.03.2020 to 06.03.2020
2020	Mech 4.0 Technical Webinar Series, Basics Of IPR And Patents & Setting-Up An Innovative Business	68	22-05-2020
2020	Mech 4.0 Technical Webinar Series, Fracture Mechanics: An Overview of Current Mechanics	92	14-05-2020
2020	Mech 4.0 Technical Webinar Series, CFD And Its Applications In Power plant Industry	88	13-05-2020
2019	Seminar on Car Design Sketching	66	05.7.2019
2019	Guest Lecture on Additive Manufacturing of Automotive Parts	74	12.07.2019
2019	Seminar on Bridging Industry Institution Gap	45	23.07.2019
2019	Guest Lecture on Introduction to Hyper mesh in Automotive Applications	57	27.09.2019

Seminar on Model-Based Development of Electric Power – Train

On 13th January, 2020 a Seminar on Model-Based Development of Electric Power – Train conducted by the School of Mechanical, Department of Automobile engineering, Sathyabama Institute of Science and Technology, Chennai. Mr.M.Sajeeth, C.E.O, Sirus Motorsports India Pvt Ltd was the resource person. The number of students participated in the seminar is 63. This talk is mainly focused on the techniques to develop model based electric power train.



Seminar on Model-Based Development of Electric Power – Train

Seminar on Mathematical Modelling of Electric & Hybrid Electric Vehicles with Virtual tools and Cyber-Physical Systems

The School of Mechanical, Department of Automobile engineering, Sathyabama Institute of Science and Technology, Chennai conducted a “Seminar on Mathematical Modelling of Electric & Hybrid Electric Vehicles with Virtual tools and Cyber-Physical Systems” on 28th January 2020. Mr.M.Sajeeth, C.E.O, Sirus Motorsports India Pvt Ltd was the resource person. The number of students participated in the seminar is 87. This talk was especially conducted to portray and promote the interest of the students and get them used to sharing the technical knowledge of the students. This talk was focused on automotive design and its challenges in the current market and its transition to the electric powertrain. The speaker presented few ideas on future research scope in the design aspects as well as challenges in the EV market. Also, future trends in battery packs was discussed as well.



Seminar on Mathematical Modelling of Electric & Hybrid Electric Vehicles with Virtual tools and Cyber-Physical Systems

Workshop on Applications of CATIA

The School of Mechanical, Department of Automobile engineering, Sathyabama Institute of Science and Technology, Chennai conducted a “Workshop on Applications of CATIA” on 13th February, 2020. Mr. S. M. Vijayan, Manager, CADDAM Technologies Pvt Ltd, Chennai was the resource person. The number of students participated in the seminar is 75. Mr Vijayan stated that CATIA is global software for designing and explained its essence.



Workshop on Applications of CATIA

SERB Sponsored Two Day National WORKSHOP on Automotive Pollution and Emission Control (NSAPEC 2020)

The department of Automobile engineering, Sathyabama Institute of Science and Technology, Chennai conducted “SERB Sponsored Two Day National WORKSHOP on Automotive Pollution and Emission Control (NSAPEC 2020)” On 3rd – 4th March 2020. More than 150 students, research scholars & faculties participated and learned about automotive pollution and emission control strategies.



SERB Sponsored Two Day National WORKSHOP on Automotive Pollution and Emission Control (NSAPEC 2020)

School of Mechanical Engineering organized a “Mech 4.0 Technical Webinar Series, Basics of IPR and Patents & Setting-Up an Innovative Business” on 22nd May 2020. Mr.Kushal jain and Mr.Harit mohan, Manager and CEO , Signicent LLP, spent a day with how to file the patent and how to setting up an innovative business ideas, the idea is to understand the challenges faced by the startup, team dynamics, organization structure, its functioning and interacted with different stakeholders so as to provide structured support to the innovative business startup.

**MECH 4.0
TECHNICAL
WEBINAR SERIES**



**Webinar on
Basics of IPR and Patents
&
Setting-up an Innovative Business**

Sessions Handled By:



Mr. KUSHAL JAIN
Manager, Patent Research
Signicent LLP



Mr. HARIT MOHAN
CEO & Founder
Signicent LLP

REGISTRATION FREE | E CERTIFICATE WILL BE ISSUED
Zoom Link for sessions will be sent through Email

MAY 22ND 2020 | 2.30 – 3.30 PM

CONVENERS

Mr.J.Senthilkumar
Asst Prof, Mechatronics

Dr.V.K.Bupesh Raja
HOD, Auto

Register at bit.ly/InnovativeBusinessWebinar

Organized By:
School of Mechanical Engineering



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PATRONS

Dr.Mariazeena Johnson
Chancellor
Dr.Marie Johnson
President

COORDINATORS

Dr.S.Prakash, Dean Mech
Dr.G.Arunkumar, HOD Mech
Dr.P.Booma Devi, HOD Aero
Mr.Nivin Joy, Asst Prof, Mech

School of Mechanical Engineering organized a MECH 4.0 technical webinar series “Fracture mechanics an overview of current mechanics” Dr A.V.S.Siva prasad, IIITDM, Kancheepuram, was delivered on the topic “An overview about fracture mechanics” on 14th may 2020.



MECH 4.0 TECHNICAL WEBINAR SERIES

FRACTURE MECHANICS: AN OVERVIEW OF CURRENT MECHANICS

Session Handled By:



Dr.A.V.S SIVA PRASAD
IIITDM, Kancheepuram

REGISTRATION FREE | E CERTIFICATE WILL BE ISSUED

Zoom Link for sessions will be sent through Email

MAY 14TH 2020 | 10.00 – 11.00 AM

CONVENERS

Dr.G.Senthilkumar (9865070477)
Associate Prof, Mech

Mr.Nivin Joy
Asst Prof, Mech

Register at bit.ly/FractureMechanicsWebinar

Organized By:
School of Mechanical Engineering



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PATRONS	COORDINATORS
Dr.Mariazeena Johnson Chancellor	Dr.S.Prakash , Dean Mech
Dr.Marie Johnson President	Dr.G.Arunkumar , HOD Mech
	Dr.Bupesh Raja , HOD Auto
	Dr.P.Booma Devi , HOD Aero

School of Mechanical Engineering organized a MECH 4.0 technical webinar series “CFD and its applications in power plant industry” Dr.D.Santhosh kumar, Deputy manager, BHEL, Trichy, on the topic “An overview about CFD and its applications in the power plant industry” on 13th may 2020.



MECH 4.0 TECHNICAL WEBINAR SERIES

CFD AND ITS APPLICATIONS IN POWERPLANT INDUSTRY

Session Handled By:



Dr.D.SANTHOSH KUMAR
Deputy Manager, R&D
High Pressure Boiler Plant
Division
Bharat Heavy Electricals
Limited (BHEL), Trichy

REGISTRATION FREE | E CERTIFICATE WILL BE ISSUED
Zoom Link for sessions will be sent through Email
MAY 13TH 2020 | 5.00 – 6.00 PM

CONVENERS

Dr.G.Senthilkumar (9865070477)
Associate Prof, Mech

Mr.Nivin Joy
Asst Prof, Mech

Register at bit.ly/SathyabamaCFDWebinar

Organized By:
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Department of Automobile Engineering organized one-day (05th July 2019) seminar on the topic “**Car Design Sketching**”, the session was delivered by Mr.R.Ragunathan, Business Manager, Institute of Industrial Design (IID) Pvt Ltd, Chennai, and it was very useful to students and researchers how to develop an innovative car design sketching by using different types of design software tools.



Car Design Sketching

Department of Automobile Engineering organized a guest lecture (14th July 2019) on the topic “**Additive Manufacturing of Automotive Parts**”, the session was delivered by Dr.M.Pradeep Kumar, Director, AU-FRG Institute CAD/CAM, Department of Mechanical Engineering, Anna University, Guindy, Chennai, and it was very useful to students and researchers how to develop the automotive parts by using additive manufacturing and 3D printing technology.



Additive Manufacturing of Automotive Parts

Department of Automobile Engineering organized a guest lecture (23rd July 2019) on the topic “**Bridging Industry Institution Gap**”, the session was delivered by Er. Krishna Kumar, TVS Training & Services, Chennai, and it was very useful to students and faculties show to fill the gap between institute and industry, and get the good placement opportunities from various industries.



Bridging Industry Institution Gap

Department of Automobile Engineering organized a guest lecture (27th November 2019) on the topic “**Introduction to Hypermesh in Automotive Applications**”, the session was delivered by Mr.I.Cyril Cinnaraj, & Mr.D.Prithiv Kumar,CAD Engineer, CADDAM Technologies Pvt Ltd, Chennai,, and it was very useful to students and they learned about the importance of design the hypermesh in automotive applications.



Introduction to Hypermesh in Automotive Applications