

OP Jindal University, Raigarh

SAE Collegiate Club activities under SAEINDIA

Duration- April 2021 to May 2022

Sr Faculty Advisor- Dr Surendra Dwiwedi, Associate Professor, Mechanical

Faculty Advisor- Dr L R Bhandarkar, Associate Professor, Mechanical

Chairman- Dr. Siddharth S Chakrabarti, Prof & Head- Mechanical

SR. NO.	DATE	NAME OF EVENTS	CONTENT
01	10.06.2021		<p>Department of Mechanical Engineering, OP Jindal University, Raigarh in association with Institutional Innovation Council (IIC) and SAEINDIA inaugurated the OPJU-SAE collegiate Club through online mode on 10th June 2021. The inaugural session was bolstered by the presence of Mr. K Venkatraj, Deputy Director-General SAE-INDIA, Dr. Arun Sampath, Chief Engineer & Head Innovation & Global Technology Centre, Mahindra Electric Mobility Limited, Bengaluru, Dr. Vivek Kaundal, Specialist – Technical Education Global Engineering Academy, L&T Technology Services Limited, Mysore and Mr. Bhavesh Kumar, Director-Dassault System, Chennai. Under the Aegis of SAEINDIA (Society of Automotive Engineers, INDIA), Collegiate club provides practical exposure</p>

			<p>to a professional engineering society as well as focal point for campus engineering programs and projects. SAEINDIA Collegiate clubs offer student members, organize programs and activities, fellowship, and leadership experience. SAEINDIA student members are also entitled to many of the services available to SAEINDIA's regular members. Presently, a total of 125 students have obtained the club membership.</p> <p>The inauguration was followed by a talk on "Role of Simulation in Electromobility Innovation" by Mr. Bhavesh Kumar. The sessions were attended by 100+ participants and SAE Collegiate Club members.</p>
02			<p>Certificate of SAE Collegiate Club</p>
			<p>University team Solaric has successfully cleared all the evaluation rounds of India's largest SAE India Efficycle 2020 Season 11 Competition (https://www.effi.saenis.org/). The rounds included a number of different documents related to the</p>



EFFI-CYCLE 2020

>>> DRIVE THE FUTURE<<<
E-MOBILITY SEASON



CERTIFICATE OF PARTICIPATION

This is to certify that Team SOLARIC (Team ID 20099) from

OP JINDAL UNIVERSITY, RAIGARH, CHHATTISGARH

has successfully participated in SAE Northern India Section EFFI-CYCLE 2020 hosted virtually from 17th to 27th September, 2020.

Shri Deepak Panda
Convener, Efficycle-2020



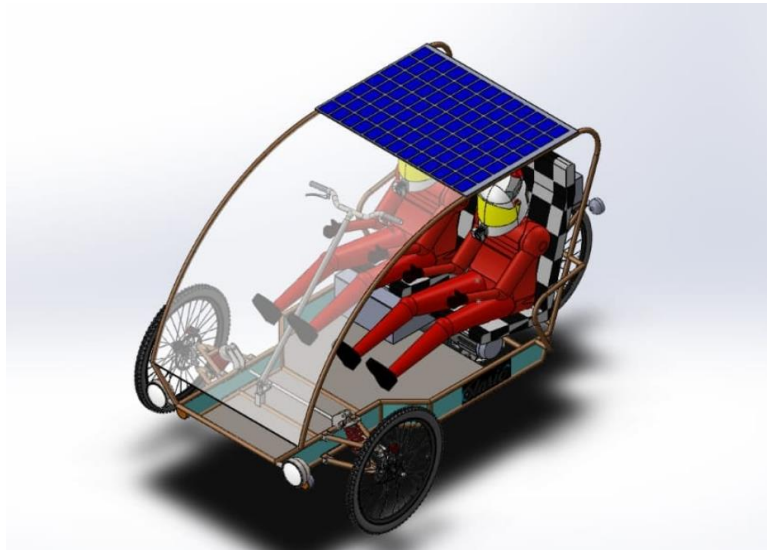
Shri Dinesh Tyagi
Chairman, SAE-NIS

SUPPORTED BY



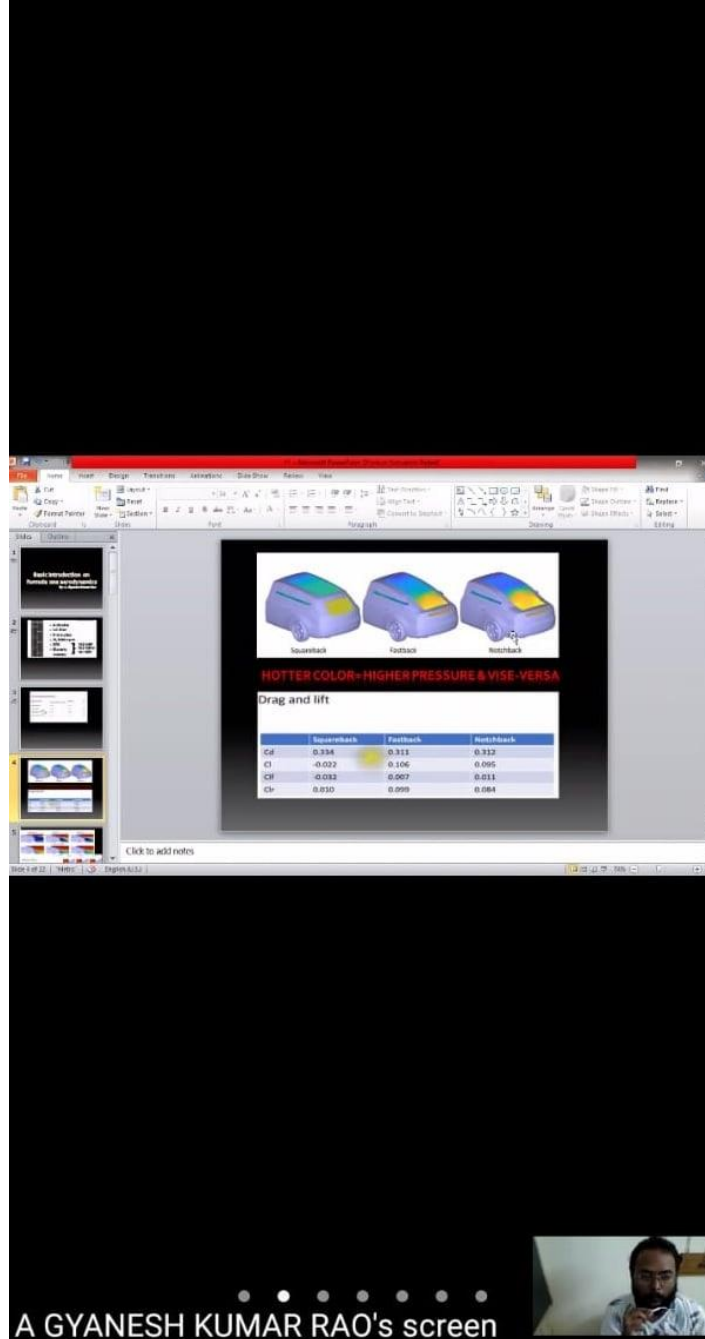
Certificate No: EFFI2020/V/1046

Date of Issue: 4-Oct-2020


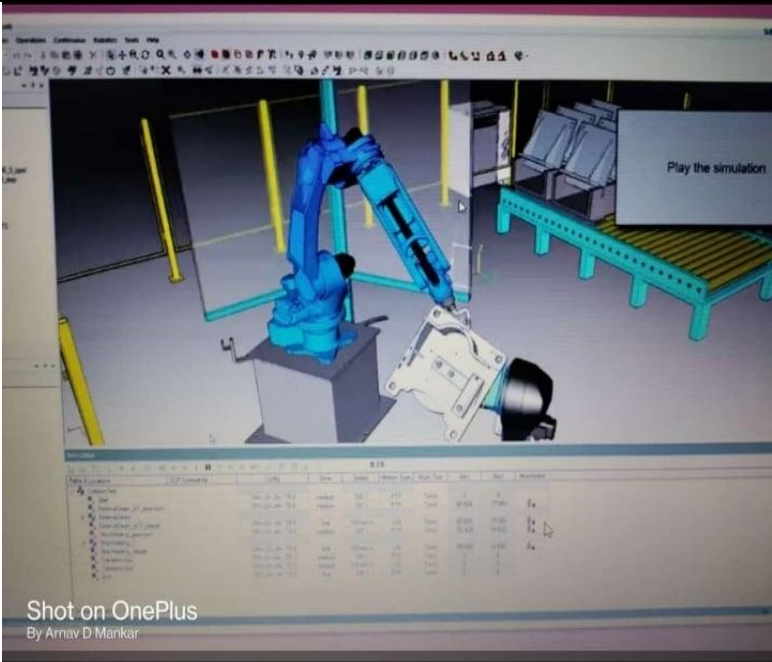


Vehicle design, Project plan containing the details of all the steps completed in the manufacturing of the vehicle. The team has achieved the participation certificate.



3




















02.6.20
21

SAE Collegiate Club initiated a project to develop Formula one racing car. Also conducted a session on “Formula one Aerodynamics”.....,carried out by SAE Collegiate Club, conducted by Club member Mr Gyanesh Rao, M.Tech student- Mechanical.

4	12.6.20 21		<p>The SAE OPJU Collegiate club in association with the Centre for Industry-Academia Collaboration on "How to be a Company Fit – A guide to discover the right career path" on 12th June 2021. The session was delivered by Mr. Venkatesh Neelam, Volvo Group Recruitment, Volvo Group India Private Limited, where he gave an insight to "How to discover the right career path? and how to attract potential employers?" He said information is at your fingertips but how you leverage and use it, decides the success you achieve in your life. The session was attended by 90+ participants..</p>
5			<p>An exploratory and wonderful session on "Digital Manufacturing" by Mr Krishna Prasad, Digital Manufacturing expert, Siemens Centre of Excellence, NIT Kurukshetra for Mechanical Engineering students was conducted on 10/08/2021. The speaker discussed about the new learning opportunities in the field of manufacturing by using Technomatix Plant simulation software. The session was attended by 80+ participants and organised by SAE Collegiate Club in association with Department of Mechanical Engineering.</p>

			
6			<p>Team Vidyut-OPJU in association with SAE-OPJU Collegiate Club and the Department of Mechanical Engineering organized a talk on 'Role of Artificial Intelligence & Machine Learning projects for placements' on 20th June 2021. The speaker of the session was OPJU alumni Mr. Raj Kapish Gupta, Assistant System Engineer, Tata Consultancy Services. The overall session focused on 'Role of Artificial Intelligence and Machine Learning' in inter-discipline areas and especially on Automotive Technology. The session was attended by 100+ participants from different departments of the School of Engineering.</p>
7			<p>Department of Mechanical Engineering in association with SAE-OPJU Collegiate Club, organised a session on "Design of Mechanical Systems Using CFD" on 11th July 2021. Dr. Satish Kumar, Associate Professor, Department of Mechanical Engineering, NIT Jamshedpur stressed the fact that CFD is becoming nowadays an important design and research tool in the field of mechanical engineering to</p>

			test and improve the design of different mechanical systems. The session was attended by 80+ participants comprising of students and industry personnel
8		 <p>OP JINDAL UNIVERSITY RAIGARH, Chhattisgarh, India OP JINDAL UNIVERSITY RAIGARH O P Jindal Industrial Park, Chhattisgarh 496107, India Lat 22.059832° Long 83.349161° 18/05/22 11:32 AM</p>	Department of Mechanical Engineering, in association with Institutional Innovation Council and SAE Collegiate Club, has organized a five-day training Program on "ANSYS-Hands on Workshop" from 4th to 10th May 2022. The students got an exposure to the new technology and capabilities of the software that can be utilized to support their innovations in Engineering and perform the simulations.
9	5.6.2021	 <p>AUTONOMOUS VEHICLES – SOTA, FUTURE & OPPORTUNITY</p> <p>MR. HARSHRAJ RAO SR. ENGINEERING MANAGER, AUTOMOTIVE SYSTEM SOFTWARE, NVIDIA</p> <p>MR. UNNIKRISHNAN A R, HEAD DEVELOPER ECO SYSTEM, DLI & CSP BUSINESS, NVIDIA</p> <p>05 JUNE 2021 @ 4.00 TO 6.00 P.M</p> <p>Free registration</p> <p>Program Coordinator – MC, SAEIBS / Mr. Ashoka Kumar Contact SAEINDIA - Mr. Ilangoan : 8870471511 / Email : ilangois@saeindia.org</p>	The Duo Guest speaker of NVIDIA Group, Mr Harshraj Rao and Mr Unnikrishnan provided an exposure to our students on Autonomous Vehicles and its future scope through an online webinar. The webinar was conducted under the SAEINDIA – OPJU Collegiate Club.

10		 <p>OP JINDAL UNIVERSITY, RAIGARH Raigarh, Chhattisgarh -496109</p> <h2>CONGRATULATIONS</h2> <p>Office Bearers of SAE Collegiate Club of OPJU</p> <div>  DR. S.K. DWIVEDI Senior Faculty Advisor </div> <div>  PROF. L.R. BHANDARKAR Additional Faculty Advisor </div> <div>  ARNAV DINESH MANKAR Student Chairperson </div> <div>  ASHISH GAUTAM Student Vice-Chairperson </div> <div>  BINDESHWAR DASH Student Secretary </div> <div>  SHIVAM SHARMA Additional Student Secretary </div> <div>  YASHARTH MISHRA Student Publicity Chair </div> <div>  AYUSH KUMAR PANDEY Student Publicity Vice-Chair </div> <div>  CHIRAG MISHRA Student Membership Chair </div> <div>  ALOK KUMAR Student Membership Vice-Chair </div> <div>  AMIT KUMAR SAINI Student Treasurer </div> <div>  MANISH PATEL Student Program Chair </div> <div>  AKSHAT PANDEY Student Reception Chair </div> <p>www.opju.ac.in Toll Free :1800-12000-8090</p>	<p>Department of Mechanical Engineering and SAEINDIA-OPJU COLlegaite Club together congratulates the the Mechanical Engineering students on their selection for a leadership position as Office Bearers of the club.</p>
11	20.06.2021	    <p>OP JINDAL UNIVERSITY, RAIGARH Department of Mechanical Engineering is organizing</p>  <p>A NATIONAL LEVEL ONLINE QUIZ ON AUTOMOTIVE TECHNOLOGY</p> <div>   </div> <p>DATE June 20, 2021 TIME 5:00 PM WHO CAN PARTICIPATE? Any student pursuing class 11th / 12th studying Maths, Physics and Chemistry and Class 10th</p> <div> <p>1st Prize : 1500 ₹ 2nd Prize : 1000 ₹ 5 Consolation Prizes Of 500 ₹ each</p> <p>Register at: https://bit.ly/3oWGRQN</p> <p>Note: Participation certificate will be sent within 24 hours in participant's registered email id.</p> </div> <p>www.opju.ac.in For queries contact : 9109977022</p>	<p>Department of Mechanical Engineering and SAEINDIA-OPJU COLlegaite Club together conducted a national level Quiz on Automotive Technology as an outreach program for the Engineering aspirants.</p>

12

25.04.2021

OP JINDAL UNIVERSITY, RAIGARH
Department of Mechanical Engineering
Organizing

NATIONAL LEVEL QUIZ COMPETITION ON GREEN TECHNOLOGY

Date : 25th April 2021
Time : 9:30 AM - 11:00 PM

WHO CAN PARTICIPATE? :
Any student pursuing class 11th and 12th studying Maths, Physics and Chemistry

Win Exciting Prizes

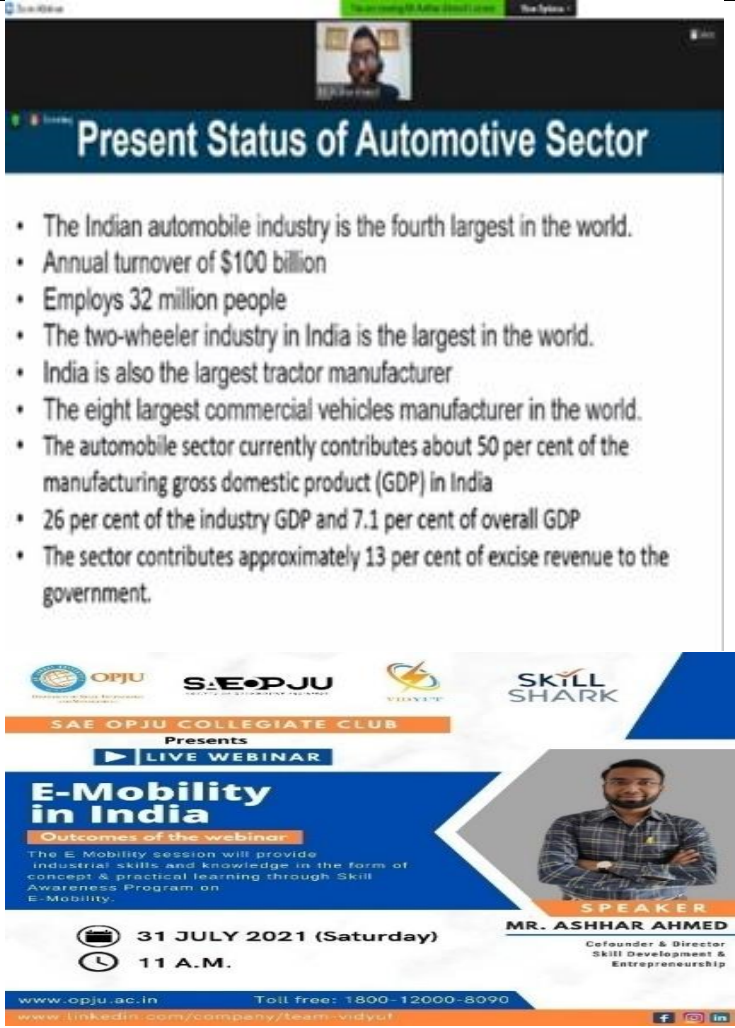

1st Prize : 2000 ₹
2nd Prize : 1000 ₹
4 Consolation Prizes Worth 500 ₹

Registration is Free

Note: Participation certificate will be sent within 24 hours in participant's registered email id.

Register at the link given in the description **For queries contact : 9109977048**

Department of Mechanical Engineering and SAEINDIA-OPJU COLlegaite Club together conducted a a national level Quiz on Green Technology as an Green Energy awareness Program.

13	31.07.2021	 <p>Present Status of Automotive Sector</p> <ul style="list-style-type: none"> The Indian automobile industry is the fourth largest in the world. Annual turnover of \$100 billion Employs 32 million people The two-wheeler industry in India is the largest in the world. India is also the largest tractor manufacturer The eight largest commercial vehicles manufacturer in the world. The automobile sector currently contributes about 50 per cent of the manufacturing gross domestic product (GDP) in India 26 per cent of the industry GDP and 7.1 per cent of overall GDP The sector contributes approximately 13 per cent of excise revenue to the government. <p>E-Mobility in India</p> <p>The E-Mobility session will provide industrial skills and knowledge in the form of concept & practical learning through Skill Awareness Program on E-Mobility.</p> <p>31 JULY 2021 (Saturday) 11 A.M.</p> <p>www.opju.ac.in Toll free: 1800-12000-8090 www.linkedin.com/company/team-vidyut</p>	<p>Department of Mechanical Engineering in association with SAE-OPJU Collegiate Club, Team VIDYUT, and Skill Shark organized a session on “E-MOBILITY IN INDIA-Future of Sustainable Transportation” on 31st July 2021. The session was delivered by Mr. Ashhar Ahmed, Co-founder, and Director, Skill Development & Entrepreneurship. The speaker discussed the automotive industry, the electric vehicle ecosystem, and different aspects of designing, manufacturing, simulation, electronics of electric vehicles. The talk was attended by 100+ participants and they gathered a crisp knowledge on E-Mobility.</p>
14		 <p>OP JINDAL UNIVERSITY Department of Mechanical Engineering And Department of Civil Engineering Organizing</p> <p>Online certificate course on Basics of AUTOCAD</p> <p>OBJECTIVES OF THE COURSE</p> <ul style="list-style-type: none"> To provide knowledge of Basics of Computer Aided Design using AUTOCAD Software To provide Hands on Practice on AUTOCAD To draw/ draft 2-D sketches of technical drawing, plan of a site and to easily share the ideas. To introduce 3D drawing/ drafting in AUTOCAD <p>Last Date of Registration: July 7th, 2021 Date of Commencement: July 12th, 2021 Course Fee: Rs. 200/-</p> <p>For Registration Contact: Mr. Gopal Krishna Gouda Mob: 9109977017 Mail: gopal.gouda@opju.ac.in Ms. Leena Behara Mob: 9424141293 Mail: leena.behara@gmail.com</p> <p>Course Coordinator – Mr. Vinod Kumar Nagpure, Asst. Professor Mr. L. R. Bhandarkar, Asst. Professor</p> <p>Who Can attend the course? 5th and 6th Semester Diploma Civil and Mechanical Engineering students who want to lead their career in Design Engineering.</p>	<p>The Department of Mechanical Engineering in association with the Department of Civil Engineering and SAE OPJU Collegiate Club organised a one week online certificate course on “Basics of AUTOCAD” for the 5th and 6th semester students of Diploma Engineering from 12th-17th July 2021.</p>

15

09.10.2021

in association with
Department of Mechanical Engineering

October 9, 2021
(Saturday)
3:00 PM

Webinar on
**Future trends
in EV Technologies**

By
Mr. Brahmanand Reddy Patil
Vice President & Head-Central R&D
CREAT UNO MINDA Enterprise
Pune

Register at bit.ly/3orzqCK to join the webinar

Zoom Webinar

CREAT - Central R&D Overview

CREAT
Center for Research, Engineering
and Advance Technologies

- Flagship Technology Center of UNO MINDA Group
- Located in Pune
- 180+ Engineers
- Center of Competency for Electronics Hardware & Embedded Software
- Product Engineering – Ideation to Series Production
- DSIR recognized Electronics Lab

ELECTRIFICATION IN-VEHICLE EXPERIENCE CONNECTIVITY CONVENIENCE & SAFETY

Hardware, Software & Testing

- Connectivity, Electrification, Cockpit and Body Electronics
- Qi, EMI/EMC, HIL Validation facilities

Center Of Excellence

- Material Sciences, Surface Coating
- Signal & Power Integrity, High speed simulation

An interesting session on "Future trends in EV technologies" by Mr Brahmanand Reddy Patil, Vice President & Head-Central R&D, CREAT UNO MINDA Enterprise Pune, India held on 9th October, 2021.

Link:
























<https://www.facebook.com/photo/?fbid=1473866272977842&set=pcb.1473866766311126>

16

20.11.2
021

Students proved the concept of Experiential learning-“learning by doing” and the journey started with Team "Solaric" representing the OP Jindal University in Electric Solar Vehicle Championship- 2019 & 2020

Now the "VIDYUT" TEAM has carried the torch ahead and has started their work for the fabrication of Formula Car and will be representing upcoming national events shortly... We wish all the success for the team members...

17	13.01.2022	<div><div><div><div><div><div>OPJU</div><div>UNIVERSITY OF STUDY TECHNOLOGY AND MANAGEMENT</div></div><div><div>SAEINDIA</div><div>COLLEGIATE CLUB</div></div><div><div>IEEE</div><div>13. P. Jindal University Shimla, Himachal Pradesh</div></div><div><div>OPJU INSTITUTION'S INNOVATION COUNCIL</div><div>(Member of IIC Initiative)</div></div></div></div><div><div><div>In association with</div><div>Department of Mechanical Engineering</div></div><div><div>January 13, 2022 (Thursday) 7:00 PM</div><div>presents Webinar on</div></div><div><div><div><div></div><div>By</div><div><div>Mr. Vipin Jacob</div><div>Manager</div><div>Force Motors Limited, Pune</div></div></div><div><div></div><div><div>Automotive Thermal Systems</div><div>Development and Challenges</div></div></div></div><div><div>Register at</div><div>bit.ly/32YaVoC</div><div>to join the webinar</div></div></div></div></div></div>	<p>SAEINDIA-OPJU Collegiate Club in association with Institutional Innovation council (IIC@OPJU) organized a session on "Automotive Thermal System- Development and Challenges". Mr Vipin Jacob of Force Motors, Pune delivered on HVAC utilized in Automobiles.</p>
18		<div><div><div><div><div>OPJU</div><div>UNIVERSITY OF STUDY TECHNOLOGY AND MANAGEMENT</div></div><div><div>VIDYUT</div></div></div></div><div><div><div>OP JINDAL UNIVERSITY PRESENTS</div><div>TEAM VIDYUT</div></div><div><div><div><div><div>Yasharth Mishra</div><div>Captain</div></div><div><div>Aditya Shekhar</div><div>Vice-Captain</div></div><div><div>Abhinav Sharma</div><div>Manager</div></div><div><div>Ayush Pandey</div><div>Manager</div></div><div><div>Vedika Agrawal</div><div>Head-R&I</div></div><div><div>Chinmay Tiwari</div><div>Head-Mechanical</div></div><div><div>Vaibhav Tiwari</div><div>Head-Mechanical</div></div><div><div>Arnav Mankar</div><div>Head-Designing</div></div><div><div>Adit Dubey</div><div>Head-T&I</div></div><div><div>Priyanshu Patel</div><div>Head-T&I</div></div><div><div>Ashish Sharma</div><div>Head-Electrical</div></div><div><div>V. Ujjwala</div><div>Head-Electrical</div></div><div><div>Rashmi Kumari</div><div>Head-Electrical</div></div><div><div>Praveen Sahu</div><div>Head-Logistic</div></div><div><div>Banty Mahant</div><div>Head-Logistic</div></div><div><div>Chirag Mishra</div><div>Head-Marketing</div></div></div></div></div></div></div>	<p>Team VIDYUT – An Student led group working on Development of Formula 1 Racing car to compete at national level competition organized by SAE SUPRA. The team is working for the fabrication and also attended the workshop conducted by SAE Supra</p>



19

04.05.2022

OP Jindal University, Raigarh
Department of Mechanical engineering & SAEINDIA - OPJU Collegiate Club
Presents

Recent Trends and Innovations in Automotive Industry

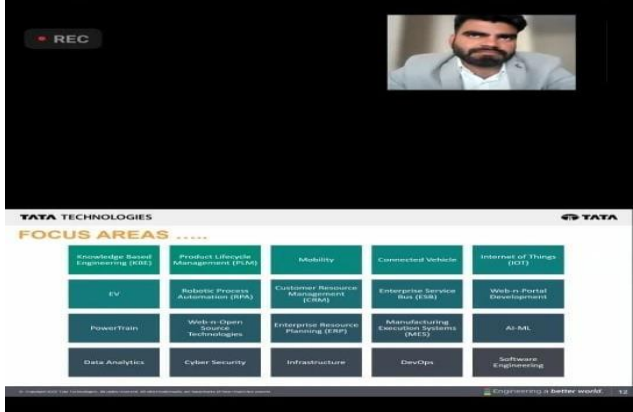


an Online Webinar under IEEE & SAE



Speaker :
Mr Sushant Kumar,
Campus Recruitment Head,
TATA Technologies

04.05.2022
03:00 PM

Moderator :
Dr Surendra Dwiwedi
Associate Professor
Department of Mechanical Engineering
School of Engineering

SAEINDIA-OPJU Collegiate Club organized a webinar on "Recent Trends and Innovations in Automotive Industry". Mr Sushant Kumar of TATA Technologies, showcased the utilization of recent ongoing technologies in Automotive sector.

			
20			<p>The Centre of Excellence in Welding Technology (CoEWT) at OPJU in association with the SAE Collegiate Club, HRD Centre and Academic Staff College (ASC), OPJU, and Fronius India Private Limited, Pune jointly organized a Training Programme (Certificate Course) on “Advanced Welding Technology” from 6th to 10th December 2021. The training was attended by industry persons from esteemed organizations such as Jindal Power Limited, Steel structural division, OP Jindal Community College, JSW, and others.</p>
21			<p>The Department of Mechanical and Electrical Engineering in association with SAE Club organized an online Expert Talk on "Electric Vehicle and the Way forward" in association with ISIE India on 04th October 2021. Mr Raunak Chaudhary, Senior EV Engineer, ISIE India discussed in detail the basics of Electric vehicles and stressed the fact that a huge opportunity waits ahead for the budding</p>

			engineers in the field of electric vehicles. 45 participants attended the session.
22			<p>Department of Mechanical Engineering in association with SAE Club organized an online one-day workshop on the “Design and Development of Robots” under the Workshop series of Technorollix 2K22 on 5th March 2022. The speaker of the workshop Mr Ajay Godara, Mentor of Change (NITI AYOOG G.O.I), Innovator, Founder & CEO @Enovate Skill, Robotics, Automation, IIoT discussed in detail the simulation of robot design using AUTODESK TINKERCAD, Arduino programming, battery management, motor selection, chassis design and others. Around 125+ participants benefited from the workshop.</p>
23			<p>The Department of Mechanical Engineering in association with Centre of Industry-Academia Collaboration and SAE Club organized an online Expert Talk on "Need of Digital manufacturing and its Future Prospects" in association with SIEMENS India on 26th October 2021. Mr Rohit Bhatia from Siemens India delivered the session. During the session, he primarily focused on the basics of digital manufacturing, its needs, advantages, the role of digital manufacturing in Industry 4.0, and job opportunities going forward.</p>

24			<p>Department of Mechanical Engineering, School of Engineering, O. P. Jindal University, Raigarh organized a 7 Days Online Faculty Development Program on "ANSYS Mechanical and CFD" in association with Entuple Technologies Pvt. Ltd Bangalore from 22nd November 2021 to 29th November 2021 in association with SAE Club. Research scholars from the Department of Mechanical engineering also participated in the training program. The session witnessed a vibrant and dynamic exchange of knowledge and experience during the programme.</p>
25			<p>SAE OPJU Collegiate Club celebrated "International Yoga Day" with their members and wished everyone a healthy and peaceful life.</p>

21 JUNE 2021

International yoga day

