

**Research Activities: 2023– 2024**

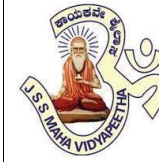
Sl. No.	DATE	EVENT ACTIVITY DETAILS
1.	3rd October, 2023	The AI workshop was conducted by Department of ECE which aims to: Introduce foundational AI concepts, Foster hands-on experience with AI tools, encourage problem-solving using AI techniques, Inspire interest and awareness about AI applications and future opportunities.
2.	31st October, 2023	The online session was conducted by Department of ECE on VLSI, SEMICONDUCTOR ECOSYSTEM, TRENDS & MARKET which aims to: Provide insights into VLSI technology, Explore the semiconductor ecosystem and industry trends., Foster understanding of market dynamics. and equip with knowledge to navigate and contribute to the evolving field of VLSI and semiconductors.
3.	16th September, 2023	The objective of the Expert Talk on the "Future of AI" conducted by Department of CSE was to provide insights and understanding into the evolving landscape of artificial intelligence. The discussion aimed to explore the potential advancements, ethical considerations, and societal impacts of AI in various industries. By fostering dialogue among experts, the session sought to enlighten participants on the transformative possibilities, challenges, and responsible deployment of AI technologies. Ultimately, the goal was to empower individuals with knowledge and perspectives that contributed to informed decision-making and ethical development, ensuring a positive and inclusive future shaped by the responsible integration of artificial intelligence.
4.	11th October, 2023	The objective of the Hands-on Session on "Generative AI" taken by Mr. Upendra kumar Tiwari, Technical Head & Data Scientist, IKIGAI LAB. conducted by Department of CSE. was to provide participants with practical insights into the application and implementation of generative artificial intelligence techniques. The session aimed to familiarize attendees with hands-on experiences in creating and manipulating generative models. Participants delved into past examples and case studies, exploring the nuances of generative AI in various domains. The session facilitated a dynamic learning environment where participants actively engaged in creating and fine-tuning generative models, gaining practical skills and insights into the capabilities and limitations of this cutting-edge technology. Ultimately, the hands-on experience aimed to empower participants with a tangible understanding of generative AI applications.



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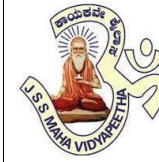
5.	12th October, 2023	The Session was taken by Mr. Shreyansh Bodh, Web Developer, Coding Blocks. The objective of the Hands-on Session on "Roadmap to Web Development" was to guide participants through a practical and immersive experience in the field of web development. The session aimed to equip attendees with the knowledge and skills needed to navigate the intricacies of web development, covering past industry trends and established practices. Participants actively engaged in hands-on exercises, creating web applications, and understanding the step-by-step process involved. The session fostered a dynamic learning environment, offering insights into various web development technologies and best practices. Ultimately, the objective was to empower participants with a comprehensive roadmap and practical proficiency in web development.
6.	7th November, 2023	Session taken by Dr. Pradeep Kumar Singh, Associate Professor CSE, Central University Jammu, J&K. The objective of the Expert Talk on "Research and Innovations in AI and its Usages in Industry and Entrepreneurship" was to explore and discuss the advancements in artificial intelligence research and its practical applications in industry and entrepreneurship. The session aimed to provide a platform for experts to share insights, breakthroughs, and real-world implementations of AI technologies. By delving into the collaborative efforts between academia and industry, the talk aimed to inspire innovation and foster a deeper understanding of how AI can drive entrepreneurship and enhance industrial processes. Participants were exposed to the past achievements and challenges, paving the way for informed decision-making in AI integration.
7.	20th December 2023 to 22nd December, 2023	The objective of the 5-day workshop on "Web Development" was to provide participants with a comprehensive and immersive learning experience in the field of web development. The workshop aimed to equip attendees with practical skills and knowledge, covering past industry trends, essential technologies, and best practices. Through hands-on activities and real-world projects, participants delved into the intricacies of web development, gaining proficiency in coding, design, and deployment. The workshop fostered a collaborative and dynamic environment, encouraging participants to actively engage with the material. Ultimately, the objective was to empower participants with a solid foundation in web development, enabling them to apply their acquired skills in real-world scenarios.
8.	8th January, 2024 to 12th January, 2024	The workshop was conducted by Rohit Pahwa, Machine Learning Expert, DUCAT. The objective of the 5-day workshop on "Hands-on Session on Data Analytics using Python" conducted by department of CSE was to immerse participants in practical learning experiences, enabling them to acquire and apply data analytics skills using Python. The workshop aimed to cover past trends and methodologies in data analytics, providing participants with



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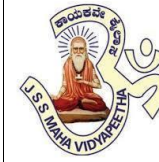
		a comprehensive understanding of Python's role in the field. Through hands-on exercises, real-world case studies, and interactive sessions, participants engaged in data analysis tasks, gaining proficiency in data manipulation, visualization, and interpretation. The workshop fostered a collaborative learning environment, empowering participants to apply data analytics techniques effectively. Ultimately, the objective was to equip participants with practical skills and knowledge for data-driven decision-making using Python.
9.	15th December, 2023	The Session was taken by Mr. Lakshay Kumar, Computer Scientist, Adobe, Noida, India. The objective of the Expert Talk on "Embarking on Entrepreneurial and Coding Journey" conducted by Department of CSE was to provide participants with insights and guidance based on past entrepreneurial and coding experiences. The talk aimed to share practical knowledge, challenges faced, and strategies employed in entrepreneurial ventures, emphasizing the intersection with coding skills. By delving into real-world scenarios and case studies, the speaker aimed to inspire and inform participants about the symbiotic relationship between entrepreneurship and coding. The talk created a platform for interactive discussions, allowing participants to gain valuable perspectives and guidance for their entrepreneurial and coding endeavours, contributing to their holistic understanding and preparation for future challenges.
10.	22nd July, 2023	The session was conducted by Dept of IT delivered by Dean academics, Prof. (Dr.) Balamurugan Balusamy, Shiv Nadar university. The objective of the session is to discuss how research can be promoted in the academy and drafting an effective research policy for our organizations.
11.	29th November, 2023 to 01 December, 2023	The "Web Development Workshop" event was organized by Dept of IT to foster Technological Transformation among students. The students were trained with the basics of web Development to boost their journey
12.	27th September, 2023	Resource person Ms. Suman Tripathi, Senior Project Associate, Virtual Lab, IIT Kanpur along with team from IIT Kanpur conducted one day webinar on utility of VLAB. Ms. Suman Tripathi discussed basic ideas, objectives, and types of virtual labs. Mr. Vinay Tripathi demonstrated few experiments of common labs among various disciplines of engineering. The topic of extreme relevance found great interest among the students which was reflected in the feedback taken by the participants at the end of the webinar. The programme was organised by Department of Information Technology



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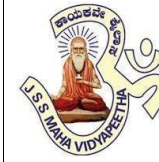
13.	17th July, 2023 24th July, 2023 to 26th July, 2023	Department of Electrical and Electronics Engineering JSS Academy of Technical Education Noida conducted a training programme on 17th July 23 (Monday) to train the faculty and technical assistants the working of the ovation set up being set up by Emerson Noida in the JSSATEN-EMERSON Centre of Excellence. The programme began at 9.00 am Venue AB III 210. The trainer Mr. Abishek Gupta from Emerson gave familiarization of the ovation set up and software in the first half of the programme in the forenoon and in the afternoon session, hands on training was conducted.
14.	20th September, 2023	Department of Electrical and Electronics Engineering conducted a Seminar on “Recent Developments in Power Electronics” on 20.09.2023 from 10.45 am to 12.45 pm at AB-III,113. The event was attended by EEE students and EE final year students’ The speaker for this program was Mr. Sivranjan Ramachandran, Co- Inteli Energi Technology Pvt. Ltd. The objective of the event was to deliver a talk on awareness about the recent developments in the field of Power Electronics. As the world is going towards automation, there is need for reducing the size of the circuits and, increase the efficiency of the components used in most of the industrial applications. The speaker gave information about how the stake holders can indulge themselves in the Research and Development field in the core industry and make the hardware products which were getting imported in India.
15.	12th September, 2023	To make stake holders understand what is automation the department of EEE,. Seminar on Automation and Augmented Reality was organised under International Society of automation (ISA) student section, JSSATEN in association with ISA Delhi section on 12.09.2023 from 2.00 am to 4.00 pm in AB-2,212. The speaker for the session was Mr. Anand Iyer, Principal Consultant at ICI, Mumbai. Mr. Anand Iyer gave brief introduction about the need of automation today’s world. He said the automation is making lot of tedious and risky manual work to be carried out in easier way. He has also shown some projects that are being carried out under him by different colleges under ISA south and Mumbai regions.
16.	20th November, 2023 to 25th November, 2023	Faculty Development Program on Industry 4.0 Skill Development using AICTE- IDEA LAB, unfolded its wings, orchestrated by the dynamic collaboration of the Electrical and Electronics Engineering (EEE) department. The event kicked off with the ceremonial lighting of the lamp, symbolizing the illumination of knowledge and innovation.



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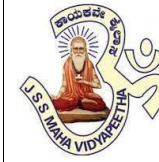
17.	21st November, 2023 to 22nd November, 2023	The grand inauguration ceremony of "Sustainable India-2023" at JSS Academy of Technical Education, Noida, on 21st November 2023. Honourable Union Minister for Road Transport & Highways, Shri Nitin Gadkari, will be gracing the occasion with his esteemed presence. This event marks a significant stride towards a greener, more sustainable future for our nation, and we are honoured to have Shri Nitin Gadkari as the chief guest for the inauguration. His visionary leadership and commitment to sustainable development will undoubtedly inspire the next generation of engineers and change-makers.
18.	17-07-2023	Five-day Faculty Development Program on "Future Aspects of Academic Excellence & Emerging Areas" was organized by the Department of Mechanical Engineering. Future Aspects of Academic Excellence covered the topics NIRF and IQAC. The talk was delivered by senior faculty members. The talk on NIRF emphasised on importance of institutions involvement towards a competitive environment that exists in the world today. Broad categories of NIRF were discussed. IQAC vision, objective, strategies, functions, and benefits was briefed. Challenges of engineering systems and emerging areas in various fields like electro chemical discharge machining, scope of battery electric vehicle & hydrogen in India were also discussed.
19.	1st July, 2023	Dr. Vinod Kumar, a renowned expert from the Indian Space Promotion and Authorization Centre (IN-SPACe) & Secretary ASI, Department of Space, Govt. of India, visited JSS Academy of Technical Education, Noida on 01st July 2023 as part of an inspection for the CanSat competition. This competition aimed to provide students with a practical hands-on experience in the field of space science and technology. The purpose of Dr. Kumar's visit was to assess the preparations, infrastructure, and overall readiness of the team for successful CanSat competition. He encouraged students to explore innovative approaches and emphasized the importance of teamwork and perseverance in achieving success.
20.	5th September, 2023 to 6th September, 2023	In Commemoration of 108th Jayanthi Celebration of Mysuru Srimanmaharaja Rajaguruthilaka His Holliness Jagadguru Dr. Sri Sri Shivarathri Rajendra Mahaswamiji and to embrace G-20 Summit a Two - Days Workshop on Capacity Building was organized by Department of Mechanical Engineering. The workshop was conducted over a two-day period and featured a combination of interactive presentations, group discussions, role-playing exercises, and goal-setting activities
21.	26th September, 2023	Mr. Gunjan Chowdhary, a distinguished expert in the fields of engineering, education, and entrepreneurship, delivered an insightful expert talk titled "Strategy to Crack GATE & Other Competitive Exams" aimed at 2nd and 3rd-year mechanical engineering students. Mr. Chowdhary's vast and diverse experience, spanning his educational



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		journey at IIT Delhi, international consultancy roles, teaching career, entrepreneurial ventures, and motivational speaking engagements, provided a unique perspective on effective exam preparation strategies
22.	26th October, 2023	Department of Mechanical Engineering and IOCL pipeline division, Noida organized Vigilance Awareness Week to fight corruption and to ensure integrity in public administration on 26th October'2023 in AB-III, Room No 113. The motive was to generate awareness in the Institution about the ill effects of corruption and to encourage to collectively participate in the prevention and fight against corruption and to raise public awareness regarding the existence, causes and gravity of and the threat posed by corruption
23.	11-12.23	Training ensures students and faculty members how to fully utilize CATIA's advanced modeling and simulation capabilities to bring their creative ideas to life
24.	13th December, 2023	Department of ME conducted a talk on Building a profile for higher education and placement. The objective of the talk was to make student understand the importance of profile building in career counselling. He focused on the tool through which one can introspect and bring out the capabilities and strengths within oneself, making aware of inner self thus becoming more confident to face the outside world.
25.	2.02.24	The event took place in AB2, ground Floor, bringing together the creative minds. The projects explored a diverse range of applications; highlighting the innovative solutions our students have developed to address real-world challenges in the field of Mechanical Engineering. Students showcased exceptional creativity and problem-solving skills, providing solutions to real-world challenges in the field of Mechanical Engineering. The projects reflected a blend of theoretical knowledge and practical implementation, truly embodying the spirit of innovation. Our talented students displayed their remarkable projects, showcasing their dedication and passion for mechanical engineering.
26.	11th January, 2024 to 25th January, 2024	Faculty members have enrolled for the course in view to develop knowledge, to teach the students in the right way, create motivating lectures and hands-on exercises and to prepare students with inspiring capstone projects for the world of industry.
27.	10th June, 2023	Department of Physics conducted a Webinar on: "INTRODUCTION TO QUANTUM COMPUTATION" To introduce the participants with the concepts of Quantum computation with an objective to motivate faculties and students alike, to learn quantum computation.