



Department of Mechanical Engineering

List of Events AY 2022-23

S.No	Gap	Action Taken	Date Month- Year	Resource Person with Designation	% of students	Relevance to
1	Basics of IoT	Certification Course on Spoken Tutorial AURDINO	01.09.2022	Spoken Tutorial, IIT Bombay	16	PO2-PO5, PSO1
2	Basics of CFD	Certification Course on Open Foam Version 7	01.09.2022	Spoken Tutorial, IIT Bombay	18	PO2-PO5, PSO1
3	Design Modeling Knowledge	Spoken Tutorial QCAD	01.09.2022	Spoken Tutorial, IIT Bombay	07	PO2-PO5, PSO1
4	The extended application of the Fluid Power System in real time	One day National level workshop on Fluid Power System	21.09.2022	Mr.Sivashanmugam Rajalakshmi Institute of Engineering	60	PO3, PO5, PO6
5	The advanced techniques and topics in the Engineering Technology	Paper presentation on Innovation in Engineering Technology	29.09.2022	Inter college Event	75	PO1, PO5
6	The advanced techniques and topics in the Engineering Technology	Symposium 2022	28.10.22	Inter college Event	85	PO1, PO5, PO6
7	Entrepreneurship awareness	Two days workshop on Nxtthinking in Innovative Ideas for Entrepreneurs	14.11.2022 - 14.11.2022	Dr.K.Balaji & Dr.K.Subashkannan Senior Consultant & Lead Consultant	70	PO2, PO6 PSO2
8	Hands on Training of Non Destructive Testing	One day workshop on Ultrasonic Non Destructive testing	21.11.2022	Mr.A.Agan Testing Engineering Vibrant NDT Services Pvt.Ltd	75	PO2-PO5, PSO1



9	The advanced techniques and topics in the Engineering Technology	Awariness Program on Career Opportunities in Automobile Design Industry	03.12.2022	Mr.Praveen Kumar Disennosys Chennai	80	PO1, PO5, PO6
10	Fundamentals Office	Certification course on Libre Office Suite Base	02.02.2023	Spoken Tutorial	21	PO2-PO5, PSO1
11	Design Modeling Knowledge	Certification course on Qcad Spoken Tutorial	02.02.2023	Spoken Tutorial	39	PO2-PO5, PSO1
12	Basics Programming	Certification course on Python	02.02.2023	Spoken Tutorial	29	PO2-PO5, PSO1
13	Scope of Heating, Ventilation and Air Conditioning	AN OVERVIEW OF HVAC & ITS OPPORTUNITIES	04.02.2023	E.MOHANRAJ SCIENTIFIC OFFICER/E, Materials Chemistry & Metal Fuel Cycle Group IGCAR, DAE, Kalpakkam	80	PO1, PO5, PO6
14	The advanced techniques and topics in the Engineering Technology	Design Thinking, Critical Thinking & Innovation Design	21.02.2023	N.Sivashanmugam, Asst. Pro (SG) & IIC Member RIT, Chennai	75	PO1, PO5, PO6
15	Awareness on Safety in Industries	Industrial Safety	01.03.2023	Expert from Genesis Academy, Chennai	65	PO3, PO5, PO6
16	The advanced techniques and topics in the Engineering Technology	SMART MINDS HACKATHON 2023 - Stage 1	24.03.2023	Mr. M V Murali Mr. Nazeef Hussain Highbrow Interactive Pvt.Ltd	65	PO3, PO5, PO6



17	The advanced techniques and topics in the Engineering Technology	SMART MINDS HACKATHON 2023 - Stage 2		Mr. M V Murali Mr. Nazeef Hussain Highbrow Interactive Pvt.Ltd	65	PO3, PO5, PO6
18	Importance of Startup	How to plan for startup and legal & ethical steps	30.03.2023	Charan Sanjeev Tadimalla, Entrepreneurship Development Trainer	75	PO2-PO5, PSO1
19	The advanced techniques and topics in the Engineering Technology	The Significance of Design in Mechanical Engineering	11.05.2023	Pavithran P DP Expert Petricore Technologies Engineering Services Pvt Ltd	80	PO3, PO5, PO6
20	Importance of Turbine Cycles	Guest Lecture Compounding in Steam Turbine and Gas Turbine Cycles	17.05.2023	Dr.G.Muthu Associate Professor Department of Mechanical Engineering Rajalakshmi Institute of Technology	75	PO2-PO5, PSO1
21	The extended application of the Fluid Power System in real time	Guest Lecture on IoT in Hydraulics and Pneumatics	17.05.2023	Mr.Sivashanmugam Rajalakshmi Institute of Engineering	80	PO3, PO5, PO6



List of Events AY 2021-22

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	No of students	Relevance to POs, PSOs
1	Importance of GATE	Career Enhancement through GATE	05.06.21	Mr.MuraliKarthikeyan, Academic Head - Gate, Time, Chennai	85	PO1
2	Internal Surface Coating	CVD & PVD coating techniques and Coating Characterization	08.06.21	Dr.T.Sampathkumar, Asso.Professor, VIT, Vellore	60	PO2-PO5, PSO1
3	Importance of CAT	Preparation Strategy for Common Admission Test (CAT)	10.06.21	Mr.Sathyanarayanan K S, Production Head, TIME, CWebinhennai	65	PO1
4	Application of Robotics in Industries	Robotics in Industry 4.0	10.06.21	Mr.SriramNagarajan, CEO, ROBORAM, Nagarkoil	78	PO2-PO5, PSO1
5	Importance of Computational Fluid Dynamics	Role of CFD in Mechanical Engineering	12.06.21	Dr. Kulasekaran, CFD Manager, Fiat Chrysler Automobiles, Chennai	85	PO2-PO5, PSO1
6	Impact of COVID on Education	Covid19 & higher education creating a paradigm shift in the course delivery	23.06.21	Dr. MaramMarimuthu, Associate Professor, UniversitiTeknologiPetronos	72	PO1
7	Importance of Startup	How to plan for startup and legal & ethical	17.08.21	Dr. Vinoth, Startup Venture builder, Chief startup designner	67	PO6, PO8,



S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	No of students	Relevance to POs, PSOs
		steps		Pongu Venture. Pvt.Ltd, Chennai		PO11
8	Problem Solving and Idea Generation	Problem solving and ideation	15.09.21	Dr.DeepthiBendi, Department of Architecture & Planning, NIT, Calicut	65	PO2-PO5, PSO1-PSO2
9	Certification Course on Libre Office Suit	Libre Office Suit	28.06.2022	Mr. PartikKamble, Spoken Tutorial, IIT Bombay	04	PO2-PO5, PSO1
10	Certification Course in Open Foam Version 7 (CFD Analysis)	Open Foam Version 7	29.06.2022	Ashley Melvin &Swetha Sridhar Spoken Tutorial, IIT Bombay	09	PO2-PO5, PSO1
11	Anna University Approved Value Added Course (Study on Dynamics of Multibody)	Introduction to Multibody Dynamics	05.04.2021 – 16.04.2021	Mr.JJabin, AP/Mech, MSAJCE One Credit VAC Approved by Anna University	44	PO2-PO5, PSO1
12	Application of Additive Manufacturing	Training on 3D Modeling	June-Dec, 2022	Mr. S Syed Abuthair/ Mr.D.Sakthivel, AP/Mech, MSAJCE	40	PO2-PO5, PSO1
13	CFD Analysis	Training on Hyper mesh	June-Dec, 2022	Mr.P.Saravanan / Mr.J.Rajesh, AP/Mech, MSAJCE	29	PO2-PO5, PSO1



S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	No of students	Relevance to POs, PSOs
14	Hands on Training on Computer Numerical Control	Training on CNC	Jan – May, 2023	Mr. S Syed Abuthair/ Mr.D.Sakthivel, AP/Mech, MSAJCE	40	PO2-PO5, PSO1
15	Importance of Electric Vehicle	Electric vehicle Basics	Jan – May, 2023	Mr.S.R. Mohan, AP/Mech& Mr. C Venkatesh, AP/EEE, MSAJCE	29	PO2-PO5, PSO1
16	Hands on Training of Non Destructive Testing	Training on Non Destructive Testing	Jan – May, 2023	Mr.V Vigneshwaran / Mr.J.Rajesh, AP/Mech, MSAJCE	26	PO2-PO5, PSO1



List of Events AY 2020-21

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	% of students	Relevance to POs, PSOs
1	Study on Dynamics of Multibody	Introduction to Multibody Dynamics	05.04.2021 – 16.04.2021	Mr. S. R. Mohan, AP/Mech	44	PO2-PO5, PSO1
2	Overview of 3D Printing	Fusion 360 Modeling and Analysis	2020 - 21	Autodesk Fusion 360 & Mr. P. Saravanan, AP/Mech Powered	27	PO2-PO5, PSO1
3	Trends in Advanced Manufacturing Technology	Webinar on Advance manufacturing Technologies	22.06.20	Dr. T. Sundarajan, Head-R&D, Wheel India Limited, Chennai	102	PO2-PO5, PSO1
4	Modelling and its scope	Webinar on Automotive OEM, CAD CAE Process	25.06.20 - 27.06.20	1. Mr. Binu Sebastain, Vehicle Design Quality Manager, LYNK, South Korea 2. Mr. Nguyen Thanh Tinh, CAD/CAE Tool Automation Expert, LYNK, Vietnam 3. Mr. Karthikeyan, Vehicle Design Manager, LYNK, South Korea	102	PO2-PO5, PSO1
5	Importance of Lean Manufacturing	Webinar on Lean manufacturing Basics	04.07.20	Mr. S. Kulasekaran, GM - Operations, Numeric UPS Group brand of legrand, Chennai	100	PO2-PO5, PSO1
6	Overview of Supply Chain	Webinar Supply Chain Over view	11.07.20	Mr. Karthik Athiban N, Nision India, Chennai	85	PO2-PO5, PSO1
7	Importance of Research	Effective-quality research	02.08.20	Dr. Suresh Sagadevan, Associate Professor,	100	PO2-PO5, PO10,



	Paper Publication	paper writing and publishing in high impact journals		University of Malaya		PSO1
8	Scope of Heating, Ventilation and Air Conditioning	Overview of HVAC Systems	10.10.20	Dr. R. SARAVANAN, Vice President- Communications, ISHRAE HQ, Chennai	75	PO2-PO5, PSO1
9	Overview of Fatigue Testing	Industrial Approach On Fatigue Testing In Product Development Process	08.12.20	Mr.Vijayakumar N, General Manager Head – System Evaluation & Fatigue Lab, Mahindra & Mahindra, Chennai	70	PO2-PO5, PSO1
10	Overview of Braking System	Fundamentals on Automotive Braking System	11.12.20	Mr.SilambarasanRamadoss, Assistant Manager – Brakes Engineering, CHASSIS- 2 Engg Department, Renault Nissan Technology, Chennai	65	PO2-PO5, PSO1
11	Application of Machine Learning	Introduction to ML using Python and its importance & Advantages	16.12.20	Mrs.BhanumathiSubramaniyan, Senior Manager –Wise Tech, Wise Tech Source, Chennai	105	PO2-PO5, PSO1
12	Importance of Electric Vehicle	Moving Towards Vehicle Electrification	19.12.20	Mr. Pradeep Chandrasekaran, General Manager, R&G Forge Motors Ltd., Pune.	102	PO2-PO5, PSO1
13	Hands on Training in AC And Refrigerator	Basic Refrigeration and Air conditioning (Maintenance &and	27.04.21 to 29.04.21, 04.05.21 to	Mr.P.Parthasarathy, Manager- Training Division, GODREJ and BOYCE Mfg. Co. Ltd, Chennai	106	PO2-PO5, PSO1



		Service)	06.05.21			
14	Awareness on Artificial Intelligence	Role of Artificial Intelligence in Mechanical Engineering	12.05.21	Mr.Aravind Raman V K, Senior Software Developer, Block hash Technologies Pvt Ltd	106	PO2-PO5, PSO1
15	Awareness on O2 Generation	An overview of Oxygen gas generation methods	23.05.21	Mr. D. Jagadishan. Scientific officer - grade F in Indira Gandhi Centre for Atomic Research, Dept. of Atomic Energy, Govt. of India. Kalpakkam. (ISHRAE Professional Society Event)	110	PO2-PO5, PSO1



List of Events AY 2019-20

S.No	Gap	Action Taken	Date- Month- Year	Resource Person with Designation	% of students	Relevance to POs, PSOs
1	GD&T and Industrial Standard	CREO – Harness Design, GD&T – Industrial Standard	2019-2020	Mr. Sathish, AP/ Mech	76	PO2-PO5, PSO1
2	Overview on Ansys Fluent	Computational Modelling in FSI	18.05.20	Mr.J.Jabin, CFD Engineer, NexGen Solution, Chennai	100	PO2-PO5, PSO1
3	Awareness on IPR	Workshop on Intellectual Property Rights	02.06.20 - 03.06.20	1. Mr. A.Raja, Asst.Controller of Patents & Design, Patent Office India, Chennai 2. Dr.R.Bhanumathi, Asst.Controller of Patents & Design, Patent Office India, Chennai	120	PO6, PO8