



lendi Institute of Engineering & Technology

An Autonomous Institution

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Approved by A.I.C.T.E. & Permanently Affiliated to J. N. T. U. Gurajada, VIZIANAGARAM

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DEPARTMENT OF MECHANICAL ENGINEERING

Date: 30-03-2023

SUMMARY OF THE GUEST LECTURES CONDUCTED FOR THE ACADEMIC YEAR 2022-23

S.No	Title	Name of the Resource Person	Designation & Address of the Resource Person	Date	Year of the Students Attended	No. of Students Attended	No. of Hours	PO/PSO MAPPING	Attainment	Impact Analysis
1	Issues related to Development of Electric & Hybrid Electric Vehicles	Mr.Avinash Kishore	General Manager (R&D), Revolt Motors, Gurgaon	19-09-2022	III year	123	6	PO1, PO2, PO3, PO6, PO7, PO10, PO11, PO12, PSO1, PSO2	0.88	Addressed the technical, financial, and regulatory challenges in electric and hybrid vehicle development. The session provided valuable insights into EV market trends, charging infrastructure, and sustainability strategies.
2	The Basics of Electric Vehicle Technology	Mr. T. Rohit	Project Manager, TE Connectivity, germany	28-09-2022	IV Year	120	6	PO1, PO2, PO3, PO4, PO5, PO6, PO12, PSO1, PSO2	0.90	Provided foundational knowledge on EV components, energy management, and powertrain technology. Helped students understand battery

										efficiency, motor control, and charging systems essential for EV advancements.
3	The role of CFD in product development Cycle	Mr. P. Bhaskar	CFD Team Lead, Valeo R&D Centre	30-09-2022	II Year	139	6	PO1, PO2, PO3, PO4, PO6, PO7, PO11, PO12, PSO1, PSO2	0.88	Highlighted CFD's role in optimizing product design, improving aerodynamics, and reducing development costs. Provided hands-on knowledge of fluid simulation tools and their industrial applications.
4	Introduction to Robot kinematics	Dr. Abhishek Jha	Assistant Professor, Dept of Mechanical Engineering, Amrita Viswa Peetham	18-10-2022	III Year	124	6	PO1, PO2, PO3, PO4, PO6, PO7, PO12, PSO1, PSO2	0.915	Focused on robot motion principles, forward/inverse kinematics, and trajectory planning. Essential for robotic automation, industrial applications, and AI-driven control systems.
5	Robotics Timeline – Advances & Research	Dr. V. Panduranga	Professor, Dept of Mechanical Engineering, IIT Bhubaneswar	13/02/2023	III& IV Year	158	6	PO1, PO2, PO3, PO4, PO6, PO7, PO8, PO12, PSO1, PSO2	0.91	Explored historical advancements and research breakthroughs in robotics. Provided insights into AI integration, human-robot collaboration, and automation trends shaping future industries.
6	Automobile safety and Emission control	Rama Rao Gollu	Managing Director Sri Bhawati Industries	17/02/2023	III Year	119	6	PO1, PO2, PO3, PO5, PO6, PO7, PO8, PO12, PSO1, PSO2	0.876	Used vehicle safety regulations, emission control strategies, and sustainability in automotive engineering. Helped students understand fuel efficiency improvements, pollution reduction, and smart vehicle safety features.

7	Transmission systems in automobiles	N. Deepla Naik	Assistant General Manager, Vizag Steel Plant	06/03/2023	II Year	137	6	PO1, PO2, PO3, PO5, PO6, PO7, PO12, PSO1, PSO2	0.888	Explained the working principles, efficiency improvements, and innovations in automatic and manual transmission systems. Focused on hybrid powertrains and advanced automotive engineering solutions.
8	Medical applications & future direction for 3d printing	Dr. Rajesh Egala	Senior Data Scientist Infomerica India pvt ltd Hyderabad	23/03/2023	IYear	135	6	PO1, PO2, PO3, PO4, PO5, PO6, PO8, PO12, PSO1, PSO2	0.957	Explored how 3D printing is transforming healthcare with custom prosthetics, bioprinting, and surgical models. Provided insights into future applications in regenerative medicine and patient-specific treatments.


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