



Details of the Projects for the Academic Year 2023-24					
S.No	Title of the Project	Name of the Student	Roll Number	Name of the Guide	POs/PSOs mapped
1	Fabrication of a 3D Printed Omnidirectional Robot with Gripper Mechanism	Karri Sai Kiran	20KD1A0350	Mr.M.Daniel Silas Kumar	PO1,PO2,PO3,PO4,PO5,PO6,P O7, PO8, PO9,PO10,PO11,PO12,PSO1,P SO2
		Dukka Tarun Kumar	20KD1A032		
		Duba Mohan Prasad	20KD1A032		
		Guruvelli Vinay	20KD1A033		
		Chandaka Jagadesh Naidu	20KD1A031		
2	Evaluation of Properties and Machining Parameters of CNC Milling Machine Using Mild Steel and Nano Powders (Al ₂ O ₃ and MgO)	Gorla Vinay Kumar	20KD1A0335	Mr.S. Santhosh Kumar	PO1,PO2,PO3,PO4,PO5,PO6,P O7, PO8, PO9,PO10,PO11,PO12,PSO1,P SO2
		Gantyada Vasudevarao	20KD1A033		
		Kilari Rakesh	20KD1A035		
		Manapuram Monika Srija	20KD1A035		
		Gantlapu Appanna	20KD1A030		
3	Topology Optimization of An Aerospace Engine Bracket under Multi Loading Conditions	Budumuru Kumar Sesha Sai	21KD5A0301	Mrs.S. Kirthana	PO1,PO2,PO3,PO4,PO5,PO6,P O7, PO8, PO9,PO10,PO11,PO12,PSO1,P SO2
		Chukkala Rajendra prasad	20KD1A032		
		Gadadesi Srinu	20KD1A032		
		Jampana Akash Raj	20KD1A034		
		Kavala Yeswanth Surya	20KD1A035		
4	Design and Fabrication of Solar Pesticide Sprayer	Chalumuri Satyanarayana	21KD5A0302	Mr.R. Jagadeesh Kumar	PO1,PO2,PO3,PO4,PO5,PO6,P O7,PO8,PO9,PO10,PO11,PO12 ,PSO1,PSO2
		Gedela Ramakrishna	20KD1A033		
		Kona Anitha	20KD1A035		
		Bandaru Venkatesh	20KD1A031		
		Dannena Sai Kiran	20KD1A032		
5	Optimization of machining parameters in a vertical CNC milling machine using RSM technique on a AA2099	Chebolu Sreenu	21KD5A0303	Mr.Ch. Polayya	PO1,PO2,PO3,PO4,PO5,PO6,P O7, PO8, PO9,PO10,PO11,PO12,PSO1,P SO2
		Chinthala Venkata Sunil	21KD5A030		
		Thotakura Karuna Satya	20KD1A036		
		Kaviti Jathin	20KD1A035		
		Kambay Abhinav	20KD1A034		
6	Performance analysis of battery electric vehicle over standard driving conditions	Pedagada Poorna Chandraika	20KD1A0359	Dr.Satish Pujari	PO1,PO2,PO3,PO4,PO5,PO6,P O7, PO8, PO9,PO10,PO11,PO12,PSO1,P SO2
		Dondapati Naga Sai	20KD1A032		
		Edubilli Sai	20KD1A032		
		Kalisetti Mahesh Babu	20KD1A034		
		Konda Veera Venkata			
7	Evaluation of Properties and Heat Transfer characteristics of Propylene Glycol - Water Based Hybrid Nanofluids	Bandaru Bhanuprasad	20KD1A0310	Dr.S. Ravi Teja	PO1,PO2,PO3,PO4,PO5,PO6,P O7, PO8, PO9,PO10,PO11,PO12,PSO1,P SO2
		Kanakala Venkatalakshmi	20KD1A034		
		Badireddi Vishnu Vardhan	20KD1A030		
		Boddepalli Rakesh	20KD1A031		
		Abothula Mahesh Babu	20KD1A030		
8	ANN and KNN algorithm	Boddu Chandrasekhar	20KD1A0314	Mr.M.Balaji	PO1,PO2,PO3,PO4,PO5,PO6,P



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Via 5th APSP Battalion, Jonnada (V), Denkada (M), NH-3, Vizianagaram Dist - 535005, A.P. Website : www.lendi.org
Ph : 08922-241111, 241666, Cell No : 9490344747, 9490304747, e-mail : lendi_2008@yahoo.com

	investigation of intelligent and smart irrigation systems utilizing edge computing	BammidiChitrasagar	20KD1A030		O7, PO8, PO9,PO10,PO11,PO12,PSO1,PSO2
		E. VasmiViswandh	21KD5A030		
		Kalingi Hari Sai	20KD1A034		
		Challa Poorna Chandu	20KD1A031		
9	Enhancing microstructural mechanical and tribological behavior of Al-Mg alloys reinforced with metal oxides	Siga Durga Prasad	20KD1A0340	Mr.P.Kameswara Rao	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12, PSO1,PSO2
		Kandi Eswara Rao	20KD1A034		
		Chenna Lokesh	21KD5A030		
		Jerripothula Bhargav Sai	20KD1A034		
		Chokkara Akhil	20KD1A032		
10	Mechanical properties of A356 Composites Reinforced with Nanoscale Fe-Cr Slag Particles	Alluri Harish	20KD1A0304	Dr. Y. Ravi kanth	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12, PSO1,PSO2
		Gundasi Harikiran	20KD1A033		
		Gorji Ganesh	20KD1A033		
		Baki Anand Kumar	20KD1A030		
		Manne Sowbhagya	20KD1A035		
11	Fluid Flow Analysis on Wind Turbine Using CFD	Gandamani Devendra Kumar	20KD1A0330	Mr. P. R. Subramaniam	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PO8, PO9,PO10,PO11,PO12,PSO1,PSO2
		Gade Jayanth Kumar	20KD1A032		
		Bolli Sai Kumar	20KD1A031		
		G Manikanta	20KD1A032		
		Betha Pavan Kumar	20KD1A031		
		K V S S Saketh Varma	20KD1A034		
12	Impact of Baffle Parameters on Thermohydraulic Performance of Solar Air Heater Channel: A Numerical Investigation and Optimization	Allu Sai Sandeep	20KD1A0303	Mr.M. Gangadhar Rao	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12, PSO1,PSO2
		Appalabattula Sai	20KD1A030		
		Guggilapu Lohith	20KD1A033		
		Gudisetla Vinod	20KD1A033		
		Konapala Akash	20KD1A035		
		Imandu Naveen	20KD1A034		
13	Passenger train bogie model with wheelchair access for physically challenged persons	ThogurothuBangarunaidu	20KD1A03A6	Dr. K. Sridhar & Dr.M.V. Krishna Mohan	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12, PSO1,PSO2
		NurukurthiHemanth Abhi	20KD1A038		
		Nadupuru Chandrarao	20KD1A037		
		Pyda Dileep	20KD1A038		
		Marrapu Sai Kartheek	20KD1A037		
14	Smart Home-Domain Automation Using Green Internet of Things	Lavudi Shyam Kumar	21KD5A0312	Mrs.S. Roopa Devi	PO1,PO2,PO3,PO4,PO5,PO6,PO7, PO8, PO9,PO10,PO11,PO12,PSO1,PSO2
		Vaka Surendra	20KD1A03		
		GarikinaAppalakonda	21KD5A030		
		Seethini Sai Krishna	20KD1A03		
		Pedada Srinu	20KD1A038		
15	Effect of Grain refiner Ti-B and Sub-Zero treatment on Tribological behavior of	Talachutla Venkata Annapoorna	20KD1A03A5	Prof.K.Ch. Sekhar &Dr.K.Vahini	PO1, PO2, PO3, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12, PSO1, PSO2
		Mamidi Govindarao	20KD1A036		



	Al-Si alloy	Sankurubhukta Manohar	20KD1A039		
		Sunkari Srinivas	20KD1A03		
		Merugumuvvala Krishna	20KD1A037		
16	Design and fabrication of ultrasonic radar system utilizing Arduino	Neelamsetty Sampath	21KD5A0315	Mr.P. Srinivasa Reddy	PO1,PO2,PO3,PO4,PO5,PO6,P O7, PO8, PO9,PO10,PO11,PO12,PSO1,P SO2
		Mandala Rajasekhar	20KD1A036		
		Yamavarapu Devipriya	21KD5A031		
		KunibilliSatyasai Kiran	20KD1A036		
		Marada Naveen	20KD1A036		
17	Development of New Ti-Nb based alloys for orthopedic applications and effect of Heat Treatment on Mechanical Properties	Ulli Venkatesh	20KD1A03A 7	Mr.D.Srinivasa Rao	PO1,PO2,PO3,PO4,PO5,PO6,P O7, PO8, PO9,PO10,PO11,PO12,PSO1,P SO2
		Mongam Yaswanth	20KD1A037		
		Vemali Chandra Mouli	20KD1A03		
		Majji Ganesh	20KD1A036		
		Routhu Haran	20KD1A039		
18	Optimization of Cutting Parameters in CNC Milling Machine	Macharla Uma Mounika	21KD5A0313	Mrs.B. Ushaswini & Mr G.Ravi	PO1,PO2,PO3,PO5,PO4,PO6,P O7,PO8,PO9,PO10,PO11,PO12 ,PSO1,PSO2
		Kotyada Ganesh Venkata	21KD5A031		
		Lokavarapu Nandeesh	20KD1A036		
		Maturu Dinesh Kumar	20KD1A037		
		Sampangi Aakash	20KD1A039		
19	Design,analysis and fabrication of Surveillance quadcopter	Pinninti Vivekananda	20KD1A0386	Prof.K.Ch.Sekhar& Dr.K.Vahini	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12, PSO1, PSO2
		Shaik Fardeen	20KD1A03		
		Maddu Mayank	20KD1A036		
		Sabbavarapu Chandra	20KD1A039		
		Valireddi Murali Manohar	20KD1A03		
20	Design and development of Agricultural Drone Sprayer	Vasupalli Chakri	20KD1A03B a	Dr. K. Sridhar &Dr.M.V.Krishna Mohan	PO1,PO2,PO3,PO4,PO5,PO6,P O7,PO8,PO9,PO10,PO11,PO12 ,PSO1,PSO2
		Voleti Bhuvan Kumar	20KD1A03		
		Thalari Kalyan	21KD5A031		
		Sarampati Sandeep	20KD1A039		
		Althi Teja	20KD1A03		
21	Investigating the Thermo-Mechanical Properties of Unfired Clay Bricks produced through the Integration of Waste Materials.	Pydi Pradeep Kumar	21KD5A0317	Mr.R.Rama Krishna	PO1,PO2,PO3,PO4,PO5,PO6,P O7, PO8, PO9,PO10,PO11,PO12,PSO1,P SO2
		Oduru Sai Chandu	21KD5A031		
		Maroji Sateesh	20KD1A037		
		YedlaIssaku	20KD1A03		
		Sirigidi Sai Manikanta	20KD1A03		
22	Development and construction of an Internet of things (IOT)-enabled intelligent system for monitoring the Environment, using Cloud computing	Yenugutala Deepak	21KD5A0320	Dr. P. Timothy	PO1,PO2,PO3,PO4,PO5,PO6,P O7, PO8, PO9,PO10,PO11,PO12,PSO1,P SO2
		Yerra Guna Sekhar	21KD5A032		
		YalagalaSaibhuvan	20KD1A03		
		Kosara Leela Prasad	20KD1A036		
		Paila Ramesh	20KD1A038		



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23	Effect of tribological and corrosion properties on Al7010 alloy/Tic/graphene hybrid metal matrix composite by using stir casting process	Pilla Bhavani Chandra Sakhar	20KD1A0384	Mr. Appanna Duvvarapu	PO1,PO2,PO3,PO4,PO5,PO6,P O7, PO8, PO9,PO10,PO11,PO12,PSO1,P SO2
		Kucharlapati Venkata	21KD5A031		
		Nelli Manikanta	20KD1A037		
		Samireddy Tirupathi Rao	20KD1A039		
		Sanaboiyana Rajesh	20KD1A039		
24	Synthesis and characterization of FCC & BCC based high-entropy alloy by mechanical alloying	Erra Chetana	21KD5A0307	Mr.M.Daniel Silas Kumar &Dr.K.V.Koteswar a Rao	PO1,PO2,PO3,PO4,PO5,PO6,P O7, PO8, PO9,PO10,PO11,PO12,PSO1,P SO2
		Mirthipati Madhu	20KD1A037		
		Rongali Dinesh Kumar	20KD1A039		
		Mittireddi Teja	20KD1A037		
		Mulagapaka Sathish	20KD1A037		
25	Modelling and Optimization of Thermo physical properties of Hybrid nanofluid through machine learning	Mohammed Abdul Mezeed	21KD5A0314	Mr.N. Santosh Naveen	PO1,PO2,PO3,PO4,PO5,PO6,P O7,PO8,PO9,PO10,PO11,PO12 ,PSO1,PSO2
		Kodamagulla Harikrishna	21KD5A030		
		Pudi Sarath Chandra	20KD1A038		
		Korada Bhavani Shankar	20KD1A036		
		Sanchana Kiran Kumar	20KD1A039		


Head Of The Department
Dept. of Mechanical Engineering
LENDI Institute of Eng. & Technology
Jonnada (V) Denkada (M)
Vizianagaram Dist. 535005

Head of the Department