



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(An Autonomous Institution since 2010)

Approved by AICTE, New Delhi and Permanently Affiliated to JNTUK, Kakinada

L.B. Reddy Nagar, Mylavaram, NTR District, Andhra Pradesh - 521230



Department of Mechanical Engineering Patents details in the A.Y 2024-25

Sl.	Patent Title	Applicants/ Inventors	Patent No.	Filed Date	Published Date	Agency Category
Utility Granted -02						
1.	Nano structured Phase Change Materials for Improved Heat Tranfer	Dr. Battula Sudheer Kumar, Poosapadi, Dhivakar, Gaddala , Dr. Babu Rao, L.R, Gouri, Kumar R, Arun, Sekhar, K Ch	1227850	02.11.2024		IPR-Canada
2.	System for the synthesis of a phase change composite based on activated hydrocarbon	Ammiseti Dhanunjay Kumar Aryasomyajula Venkata Satya Lakshmi Sai Bharadwaj Chinnam Sampath Doddamani Dadapeer Gaddala Baburao Konanki Sreenath Kottala Ravi Kumar Kumma Nagarjuna M. S. Ramaiah Institute of Technology Namdeti Rakesh University of Technology and Applied Sciences Veeraiah Goriparthi	202024105759	07.10.2024	12.12.2024	IPR Germany
Utility Published -07						
3.	Design and Fabrication of Indoor Air Purifier	Mr. Sankarrao Vinjavarapu, Dr.MuraharKolli, Dr. Siva Sankara Babu Chinka, Dr. SeelamPichi Reddy, Dr. Kondapalli Siva Prasad, Mr. Jaya Raju Gandepudi, Jitendra Gummadi	202441065368 A	29.08.2024	06.09.2024	IPR India



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Sl.	Patent Title	Applicants/ Inventors	Patent No.	Filed Date	Published Date	Agency Category
4.	Solar Radiation based commodities drying device	Dr.Jayashri N Nair Dr.Sachin Lotan Borse Dr.Abhilash Suryan R Dr.Charushila Axay Patel Dr.V.Dhanaraju Vishv Axay Patel Hemantkumar Jayantibhai Patel Hirenkumar Jaynathi Patel Hirenkumar Rashmikant Patel Urvsiben Hirenkumar Parel	202541001885 A	08.01.2025	24.01.2025	IPR India
5.	Method for welding of EN8 and EN31 plates by using pulsed current GTAW	Dr. D.S.Ch.Mouli Dr.Md.Ahasan Dr.Vara Prasad Bhemuni Dr. Murahari Kolli Dr.Aruri Devaraju Mr.BURADAGUNTA EMMANUEL	202541045281 A	10.05.2025	30.05.2025	IPR India
6.	AI-Powered Carbon Sequestration Device	Dr.SubhashChouhan Dr.Satish Kumar Patel KrritRasiklalRathod Dr.SmrutiGantayat Dr.KshanPrabhaSahoo Mr. Jonnala Subba Reddy Miss Nirmala Patel	440623-001	14.12.2024	07.02.2025	IPR India
7.	Smart Cane For Blind Users	Er.Bint UI Huda Mrs.Pallave Amol Patil Mr. Jonnala Subba Reddy Dr.Vhavani Shankar Ravindra	438209-001	23.11.2024	07.02.2025	IPR India
8.	Vibration Damping Analyzer Posite Beam	Dr.PranoyDebnath Mr.Pankaj Prakash Bhirud Dr.NirmalaWarke Mr.Omesh Kumar Chandrakar Mr. Jonnala Subba Reddy	440051-001	10.12.2024	07.02.2025	IPR India
9.	Off-Grid Power Management Device	Mr.Varun Yadav Mr.Swaroop Mallik Dr.Basanth Kumar Bhuyan Mr. Jonnala Subba Reddy	437654-001	18.11.2024	07.02.2025	IPR India



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Sl.	Patent Title	Applicants/ Inventors	Patent No.	Filed Date	Published Date	Agency Category
Design Published -01						
10.	Self Adjusting systems for off road vehicles	Dr.Jayasri N Nair Dr.V.dhanaraju Spoumya Ranjan Pradhan Dr.AbedalrzaqAisqirate	422510-001	06.07.2024	22.08.2024	IPR India

Patent Type	Utility Granted	Utility Published	Design Granted	Design Published	Total
Number of Patents	2	7	0	1	10

R&D coordinator

HOD –Mech