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Campus: Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.

Phone No. +91 8645 - 350 200; www.klef.ac.in; www.klef.edu.in; www.kluniversity.in

Admin Off: 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002. Ph: +91 - 866 - 3500122, 2576129

DEPARTMENT OF MECHANICAL ENGINEERING

Patents Published in the year 2022

S. No	Name of the patents	Name of the Principal Investigator	Name of the Co-Investigator	Date of application	Type of the Patent
1	DESIGN OF STEP CLIMBING ROBOT-AN ADJUSTABLE WHEEL DIAMETER (Application No: 202241028298)	Penta Srinivas, Research Scholar	Dr. G.Yedukondalu , Dr.A.Srinath	2022	Utility Patent
2	COLLABORATIVE MULTI ROBOT MANIPULATOR WITH LINEAR AXISMOTION (Application No: 202241036716)	Dr. G. Yedukondalu	Saamaj N.C.V.J,Kondepudi Sai Saravana,Akula Venkata Ganesh,Dr. A. Srinath	2022	Utility Patent
3	EXPERIMENTAL INVESTIGATION AND MACHINING PARAMETER OPTIMIZATION OF FSW FOR WELDING DISSIMILAR 6061 AND 7075 AI ALLOYS (Application No: 202241031580 A)	KLEF	Dr. D.V.A Rama Sastry	2022	Utility Patent
4	MECHANICAL SYSTEM AND METHOD FOR CHEST COMPRESSION (Application No: 4491/CHE/2012)	Dr. A. Srinath Dr. G.Yedukondalu		2022	Utility Patent
5	Au+B6:Autonomous Seed Sowing robot for PA, App No: 343749-001	S. Ramesh Kumar	Dr. V Srikanth, Dr. A Srinath	2022	Design patent
6	SYSTEM AND METHOD TO CALIBRATE COMBUSTION RATE FOR SOLID PROPELLANT GRAINS	Anish solaman	G.Murali	2022	Design patent
8	Controller General of patents, Designs and Trade marks	. KARIMULLA SYED	Sriram Swaroop Rejeti, A V S Ram Prasad,	2022	Design
9	3 ZONE HEATERS DESIGN FOR PHOTOLAMINATING MACHINE	. PALLE ISSAC PRASAD	KURAPATI VENKATA NARASIMHA RAO,	2022	Design

10	Air cooler	Ramesh Babu Damarla	Dr K V Narasimha Rao	2022	Utility
11	Mixer Grinder Jar	Ramesh Babu Damarla	Dr K V Narasimha Rao	2022	Utility
12	High Temperature Short Time Dehydration Device	Ramesh Babu Damarla	Dr K V Narasimha Rao	2022	Utility
13	Penetrometer	Ramesh Babu Damarla	Dr K V Narasimha Rao	2022	Utility
14	Fire Extinguishing System and Method	Ramesh Babu Damarla	Dr K V Narasimha Rao	2022	Utility
15	Apparatus and Method for Managing Heat During Cutting of Metal Rods	Ramesh Babu Damarla	Dr K V Narasimha Rao	2022	Utility
16	System and Method for Cooling an Outdoor Unit of Split Air-Conditioner	Ramesh Babu Damarla	Dr K V Narasimha Rao	2022	Utility
17	Banana Cutting Apparatus	Ramesh Babu Damarla	Dr K V Narasimha Rao	2022	Utility
18	System for a Hydraulic Rover Mechanism	Dr K V Narasimha Rao	4UG Students of Y14 batch 4UG Students of Y14 batch	2022	Utility
19	System and Method for Controlling Gas Infiltration in Controlled Atmosphere Storage (CAS) Chamber	Ramesh Babu Damarla	Dr K V Narasimha Rao	2022	Utility
20	System and Method for Controlling Moisture Loss from Fruits	Ramesh Babu Damarla	Dr K V Narasimha Rao	2022	Utility
21	pipeline inspection robot	Dr S.S.Rao	ALLU BHARGAVI, K. RAGHAVA RAO	2022	Design
22	Dish Washer	Dr S.S.Rao	CHINNI SURESH, T. SHYAM KUMAR, J. KARTHIK	2022	Design
23	Mosquito Repellent Drone	Dr S.S. Rao	M. SANJAY KUMAR, N.SAI SAMAPTH, A. ESWARA KUMAR, G. DEEPAK KUMAR,	2022	Design
24	SOCKET EXTENDER IN THE WALL	Dr S.S. Rao		2022	Design
26	A process for the preparation of natural dyes from	Dr Radha Palaniswamy	Dr V L Mangesh/ Dr G Murali	2022	Process Patent
27	ARTIFICIAL INTELLIGENCE-BASED EARTHQUAKE RESISTING	Dr. A. Sri Harsha		2022	Utility
28	A REINFORCED DENTURE BASE PMMA WITH F-MWCNTS/G-C3N4/TIO2 TERINARY Nanocompiste powder	Dr. A. Sri Harsha		2022	Utility
29	MULTIPLE SENSOR DATA FUSION ENABLE IOT BASED ROBOTICS VEHICLE FOR SOIL CONDITION MONITORING (202241001732)	Dr. A. Sri Harsha		2022	Utility

30	Design and Development of Automated attendance management system based on Face Recognition Algorithms (202241064573)	Pothamsetty Kasi V Rao		2022	Utility
31	Multiple Nut Remover (352426-001)	K V Durga Rajesh		2022	Design

Head of the Department