



## Koneru Lakshmaiah Education Foundation

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## DEPARTMENT OF MECHANICAL ENGINEERING

## Patents Published in the year 2023

S. No	Name of the patents	Name of the Principal Investigator	Name of the Co-Investigator	Date of application	Type of the Patent	Status of the Patent	Published
1	<b>REDUCE FOULING IN SHELL AND TUBE HEAT EXCHANGER USING WITH ALUMINIUM AND COPPER WOUNDING FOR PROCESSING INDUSTRY</b>	Dr. G. MURALI		05-01-2023	Design	Published	13-01-2023
2	Multipurpose Batter mixer and Slicer	Dr Raj Kumar Pittala	Dr G Diwakar, Sai Milind Balla, Karthikay Attuluri, Suresh Udayagiri, Padma Rao	02-12-2022	Design	Published	25-01-2023
3	Mini Load Lifter	Dr Raj Kumar Pittala	Dr K V Durga Rajesh, Naga Pavan Sai, G Jayanth Babu, B Ram Manhar Reddy, A Dinesh	08-12-2022	Design	Published	20-01-2023
4	Continuous hydroprocessing of waste plastics to diesel using Ni-Mo or Pt on Al <sub>2</sub> O <sub>3</sub> supports	Dr V L Mangesh	Dr P Tamizhdurai	20-05-2023	Utilities/ process	Applied and Published 202341028655	25-06-2023
5	Continuous Processing of Veratryl Alcohol to Veratraldehyde using AC/Mn-Zn Catalyst	Dr P Tamizhdurai	Dr V L Mangesh	20-05-2024	Utilities/ process	Applied and Published 202341028619	25-06-2024
6	ZrO <sub>2</sub> /SO <sub>4</sub> /Cu nano particles supported on reduced graphene oxide for selective oxidation of propylene glycol in continuous reactor.	Dr P Tamizhdurai	Dr V L Mangesh	20-05-2024	Utilities/ process	Applied and Published 202341028631	25-06-2024
7	Spectacle	Dr Raj Kumar Pittala	"Dr K V Durga Rajesh C Krishna Aditya Mounik Sam Jeshrun Satya Sai Phani Krishna"	02-12-2022	Design	Published	24-05-2023
8	Adjustable Plank	Mr B Kiran Kumar	"Dr Raj Kumar Pittala Sai Milind Balla Phani Krishna K Murugesh"	05-04-2023	Design	Published	30-06-2023
9	CONTROLLER BASED STEP UP HYBRID CONVERSION SYSTEM USING RENEWABLE SOURCE	G.Murali	P.S.N Masthan Vali,	03-08-2023	Utility	Published	22-10-2023
10	POWER CONVERSION BASED ELECTRIC DRIVE USING AC-DC CONVERTER	V.L.Mangesh	G.Murali, P.S.N. Masthan vali	03-08-2023	Utility	Published	16-10-2023
11	A STEP CLIMBING ROBOT WITH AN UMBRELLA WHEEL MECHANISM FOR SEARCH AND RESCUE OPERATIONS	GANDHAM YEDUKONDA LU	Penta Srinivas, N.B.V. Prasad, Saamaj. N.C.V.J	19-07-2023	Utility	Published	19-07-2023

12	Efficient Wireless Sensor System for Continuous Monitoring of Bearing Life in Rotating Machinery Using Machine Learning Algorithms	Sireesha Koneru	A.Srinath, B. Nageswara Rao	18-08-2023	Utility	<b>Published</b>	25-11-2023
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