



LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY

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(Accredited by NAAC with "A" grade)

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Summary of Granted Patents

AY:2022-23

S.No.	Title	Author Name	Patent Number	Application Number	Granted Date	Term of Patent
1.	A Compact Hexagonal-Triangular Fractal Antenna For Wideband Applications	Dr.D.Naresh Kumar	421939	201641043763	16/02/2023	20 years from the 22nd day of December 2016

Summary of Published Patents

S.No	Title	Author Name	Application Number	Filed Date	Published Date
1.	An electric vehicle flexible charging system using internet of things and smart interfaces and working method thereof	Mrs.P.Srujana	202341000819	04/01/2023	13/01/2023
2.	Novel approach to identify the Security Issues in Internet of Things (IoT) and Cloud Computing Service Model with Suggested Solution.	Mrs.P.Srujana	202341001050	05/01/2023	13/01/2023
3.	Developing an Internet of Medical Things (IoMT) device supported by Deep Convolutional Neural Networks (CNN) using Liquid Crystal Polymer (LCP) sensors for detection and analysis of Covid	Mr.S.S.Kiran, Dr. M. Rajan Babu, Mr. K.Gurucharan, Mrs. P. Srujana.	202241041636	20/07/2022	29/07/2022
4.	A forcasting system for electric vehicles using machinelearning and artificial intelligence	Mrs. R.DivyaKanti	202341000091A	02/01/2023	13/01/23



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Department of Electrical and Electronics Engineering

FACULTY PATENTS (AY 2022-23)

Sl No	Name of the Faculty	Patent Application Number	Title of the Patent	Patent Filed Date	Published Date	Status of the Patent
2022-23						
1	Dr. P. Janaki, Mrs. K. Nagamani, Mrs. K. Anitha	202241069324A	Renewable Green Energy for Sustainable Development Bidirectional	01/12/22	09/12/22	Published
2	Dr. P. Janaki	202241072059A	A system with time-domain modeling-based Fatigue analysis of a wind turbine gearbox	13/12/22	30/12/22	Published
3	Dr. P. Janaki	202241072400A	A system based on Set membership for		30/12/22	Published

			defect detection in wind turbines with uncertain parameters	14/12/22		
4	Dr. P. Janaki, Mrs.B. Vanajakshi	202241075712A	An artificial intelligence-based wind energy storage and electricity generating system and working method thereof	26/12/2022	30/12/22	Published
5	Dr. P. Janaki, Dr. V. Naresh Kumar, Mrs. K. Aswini	202341001632A	A parking space detection system for electric vehicles using DEEP learning methods	08/01/2023	13/01/23	Published
6	Dr. P. Janaki	202241077715A	A system for controlling an autonomous vehicle arrangement using artificial intelligence	31/12/2023	13/01/23	Published
7	Dr. P. Janaki, Mrs. T. Sravya,	202341000819A	An electric vehicle flexible	04/01/2023	13/01/23	Published

	Mrs. A. Praveena		charging system using internet of things and smart interfaces and working method thereof			
8	Dr. P. Janaki	202341000091A	A forecasting system for electric vehicles using machine learning and artificial intelligence	02/01/2023	13/01/23	Published



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PRE-GRANT PUBLICATION/AWARD OF PATENT GRANTS FOR THE ACADEMIC YEAR: 2022-23

DEPARTMENT OF MECHANICAL ENGINEERING

S. No	Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Applicant/s Name	Patent Filed Date (DD/MM/YYYY)	Patent Published Date / Granted Date (DD/MM/YYYY)	Patent Publication Number / Patent Granted Number	Assignee/s Name (Institute Affiliation/s at time of Application)	Here, attach Source Proof Screenshots/URL/Website Links, etc.
1	202241039525	Published	Dr. Sridhar K	An Ergonomic And Secure Automotive Seating Configured Apparel For Toddlers And Children	Dr. Sridhar K		07/09/2022	202241039525	LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY	



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2	202241045968	Published	Dr. Sridhar K	A System for Infallible Smart Seating Management In LRRT Commercial - Passenger Vehicles	Dr. Sridhar K		08/12/2022	202241045968	LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY	
3	202241044724	Published	Dr. Surakasi Raviteja	Device And System to Mend Polymer And Composite Sheets On Greenhouses And Polysheet Shadenet Structures	Dr. Surakasi Raviteja		05/08/2022	202241044724	LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY	
4	202241043851	Published	Dr. Surakasi Raviteja	A Smart Navigative Eyewear For Visually Challenged And System Thereof	Dr. Surakasi Raviteja		01/08/2022	202241043851	LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY	



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5	202241043851	Published	Dr. Surakasi Raviteja/ M Gangadhar Rao	Diesel Engine Emission Reduction Using Catalytic Nano Particles	Dr. Surakasi Raviteja/ M Gangadhar Rao		01/09/2022	202241043851	LENDI INSTITUTE OF ENGINEERI N G AND TECHNOLO GY	
6	349539-001	Published	Dr. Surakasi Raviteja/ M Gangadhar Rao	Investigation Of Emission Reduction Potential Of Nickel And Zinc Coated Catalytic Converters	Dr. Surakasi Raviteja/ M Gangadhar Rao		01/09/2022	349539-001	LENDI INSTITUTE OF ENGINEERI N G AND TECHNOLO GY	
7	20224104385	Published	Dr.Babburu Kiranmai, Mrs.B.Ushaswini, Mrs. S. Neeraja, Mrs.Ch.Gayatri, Mrs.R.Divya Kanti, Dr. Janaki Pakalapati	A Forecasting System for Electric Vehicles Using Machine Learning And Artificial Intelligence	Dr.Babburu Kiranmai, Mrs.B.Ushaswini, Mrs. S. Neeraja, Mrs.Ch.Gayatri, Mrs.R.Divya Kanti, Dr. Janaki Pakalapati		13/01/2023	20224104385	LENDI INSTITUTE OF ENGINEERI N G AND TECHNOLO GY	



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8	369579-001	Granted	Dr. K. Sridhar	Design and development of Agricultural Drone Sprayer	Dr. K. Sridhar		23/08/2022	369579-001	LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY	
9	377794-001	Granted	Lendi Institute of Engineering and Technology	Train coach with wheel chair access	Lendi Institute of Engineering and Technology		21/01/2023	377794-001	LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY	
10	202211043968	Granted	Dr. K. Sridhar	IOT with Artificial intelligence (AI) is based on the use of smart chips to create an embedded operating system with a high level of confidence	Dr. K. Sridhar		12/08/2022	202211043968	LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY	