

PRE-GRANT PUBLICATION/AWARD OF PATENT GRANTS FOR THE ACADEMIC YEAR: 2023-24

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

S · N o	Patent Applicatio n No	Status of Patent (Publis hed / Granted)	Inventor/s Name	Title of the Patent	Applicant/ s Name	Patent Filed Date (DD/MM/ Y YYYY)	Patent Published Date / Granted Date (DD/MM/Y YYYY)	Patent Publicatio n Number / Patent Granted Number	Assignee/ s Name (Institute Affiliation /s at time of Appicatio n)	Here, attach Source Proof Screenshot s/URL/ Website Links, etc.
1	403564-001	Published	LENDI INSTITUTE OF ENGINEERIN G AND TECHNOLOG Y	A foldable low weight compact electrical vehicle	Dr Golgani A V R Rao & Others	31-12- 2023	Published on 02-02-2024		LENDI INSTITUTE OF ENGINEERIN G AND TECHNOLO GY	
2	381153-001	Granted	Dekka Satish	Deep learning based agricultural machine for seeding	Mr. D. Satish & Others	09-03- 2023	Grant on 26-05-2023			
3	20234106936	Publishe d	Dr. M. Satyanarayan a	A machine learning based system for	Dr. M. Satyanara	14-10- 2023	Published on 24-11-2023			

				predicting individual's health condition and method thereof	yana & Others					
4	202341073633	Published	Dr. M. Satyanarayana	Intelligent Conversational AI System With Enhanced Natural Language Processing	Dr. M. Satyanarayana Mr. B. Ramana babu & Others	29-10-2023	Published on 15-12-2023			



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Summary of Granted Patents

AY: 2023-24

S.No.	Title	Author Name	Patent Number	Application Number	Granted Date	Term of Patent
1.	A Modified Bowtie Slotted Circular Patch Antenna	Dr.D.Naresh Kumar	534184	201741034823	22/04/2024	20 years from the 30th day of September 2017
2.	Curvy Rectangular Slotted Substrate Integrated Cylindrical Dra With Wide CP Bandwidth And Enhanced Gain	Dr.D.Naresh Kumar	528309	201741035257	15/03/2024	20 years from the 5th day of October 2017
3.	A Quad-Band Asymmetric Dual L –Slot Fed Dielectric Resonator Antenna (DRA) With Circularly Polarized Bands	Dr.D.Naresh Kumar	517989	201741035252	29/02/2024	20 years from the 5th day of October 2017

Summary of Published Patents

S.No	Title	Author Name	Application Number	Filed Date	Published Date
1.	ANN And KNN Algorithm Investigation Of Intelligent And Smart Irrigation Systems Utilizing Edge Computing	Mr. S.Suresh Kumar, Mr.B.Hemanth Nag	202441019999	18/03/2024	29/03/2024



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Department of Electrical and Electronics Engineering

FACULTY PATENTS (AY 2023-24)

Sl No	Name of the Faculty	Patent Application Number	Title of the Patent	Patent Filed Date	Published Date	Status of the Patent
2023-24						
1	Dr. K. Subbaramaiah, Dr. B.V.S. Acharyulu, Mr.T.Papinaidu, Mr.K.Praveen Kumar Yadav, Mr.Rama Vara Prasad, Mr.M.Satish	6323416	Hybrid (Solar & Wind) Energy Generating Roof Mount	02/22/2023	13/11/2023	Published (Design Patent)
2	Dr. Janaki Pakalapati, Mr. T.Karthik	398332-001	Multipurpose Solar Tail Light for Bicycle	25/10/2023	14/12/2023	Published (Design Patent)

3	Dr. Janaki Pakalapati, Mr. T.Karthik, Mrs K Nagamani	397185-001	Electric Vehicle Charger	10/10/2023	04/01/2024	Published (Design P atent)
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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 Screenshot s/URL/ Website Links, etc.
1	6322566	Granted	Dr.Surakasi Raviteja	Tube Type Heat Exchanger	Dr.Surakasi Raviteja		07/11/2023	6322566	LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY	
2	6375446	Granted	Dr.Surakasi Raviteja	Vibration reducing Flywheel for vehicles	Dr.Surakasi Raviteja		11/07/2024	6375446	LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY	



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3	403564-001	Granted	Lendi Institute of Engineering and Technology,	A foldable low weight compact electric vehicle	Lendi Institute of Engineering and Technology,		02/02/2024	403564-001	LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY	
4	202441019996	Published	Lendi Institute of Engineering and Technology	Agricultural robot design and fabrication with a light detection and ranging (lidar) sensor	Lendi Institute of Engineering and Technology		29/03/2024	202441019996	LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY	
5	202441020000	Published	Lendi Institute of Engineering and Technology	Eco-friendly internet of things for smart home domain automation	Lendi Institute of Engineering and Technology		29/03/2024	202441020000	LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY	
6	202441019997	Published	Lendi Institute of Engineering and Technology	Development and construction of an internet of things (iot)-enabled intelligent system for monitoring the environment, using cloud computing	Lendi Institute of Engineering and Technology		29/03/2024	202441019997	LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY	



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7	6385817	Granted	Mr. Jnanaranjan Acharya	Automatic vending machines	Mr. Jnanaranjan Acharya		27/08/2024	6385817	LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY	
8	202441019999	Published	Lendi Institute of Engineering and Technology	Ann and knn algorithm investigation of intelligent and smart irrigation systems utilizing edge computing	Lendi Institute of Engineering and Technology		29/03/2024	202441019999	LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY	
9	202441062551	Published	Mr. Jnanaranjan Acharya	Security and privacy challenges in iot ecosystems: solutions and best practices	Mr. Jnanaranjan Acharya		23/08/2024	202441062551	LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY	
10	407752001	Published	Mr.K.Ch. Sekhar	Moving car pollution detection device	Mr.K.Ch. Sekhar		18/04/2024	407752001	LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY	
11	397190001	Published	Mr.K.Ch. Sekhar	Artificial intelligence based pest capturing agricultural machine	Mr.K.Ch. Sekhar		19/01/2024	397190001	LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY	



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12	6301070	Granted	Lendi Institute of Engineering and Technology	Hybrid plasma gasifier for municipal solid waste management	Lendi Institute of Engineering and Technology		13/08/2023	6301070	LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY	
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