



# LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY

An Autonomous Institution

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Jonnada (Village), Denkada (Mandal), Vizianagaram Dist – 535 005

Phone No. 08922-241111, 241112

E-Mail: [lendi\\_2008@yahoo.com](mailto:lendi_2008@yahoo.com)

Website: [www.lendi.org](http://www.lendi.org)



## PRE-GRANT PUBLICATION/AWARD OF PATENT GRANTS FOR THE ACADEMIC YEAR 2020-21



### DEPARTMENTV OF COMPUTER SCIENCE




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.	202041040672	Granted	Dr.Jayasri Kotti Mr. P. Srinivasa Rao Ms. B. Padmaja	Smart Industrial Safety Monitoring system Using IOT and Machine Learning	Dr.JayasriKotti Mr. P. Srinivasa Rao Ms. B. Padmaja	19-09-2020	25-09-2020		LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY	
2.	202041045341	Granted	Dekka Satish	Design and Development of V-I Methods for Emergency Vehicles to Secure the Human lives	Dekka Satish	19-10-2020	30-10-2020		LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY	

3.	2020410486 33	Granted	i) Dr.JayasriKotti ii) Mrs. Sadhana K iii) Mr. D. Sunil	Machine Learning Based Early Cancer Prediction System	i) Dr.JayasriKotti ii) Mrs. Sadhana K iii) Mr. D. Sunil	06-11- 2020	13-11-2020		LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY	
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## DEPARTMENT OF ELECTRONICS AND COMMUNICATION 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/YY)	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	2021100119	Granted	Dr. B. Kiranmai	A Method and Design of Multiband Rejection Microstrip Patch Antenna for Wireless Communications	Dr. B. Kiranmai		24/03/2021	2021100119	LENDI	
2	2021410069 43	Published	1 . Dr. MALLAVARAPU . RAJAN BABU 2 . Dr. BABBURU. KIRANMAI 3 . Dr. V. SITHA RAMULU 4 . Dr. CH N SANTHOSH KUMAR 5 . V. DURGA PRASAD JASTI 6 . Dr. SUDHEER	A System and Method for auto sanitization and pandemic spread control in fuel stations	Dr. MALLAVARAP U . RAJAN BABU 2 . Dr. BABBURU. KIRANMAI 3 . Dr. V. SITHA RAMULU 4 . Dr. CH N SANTHOSH KUMAR 5 . V. DURGA	19/02/2 021	26/02/2021	09/2021	LENDI	

			REDDY K 7 .Dr. A. MALLIKARJUNA REDDY		PRASAD JASTI 6 . Dr. SUDHEER REDDY K 7 . Dr. A. MALLIKARJUN A REDDY					
3	2020410525 59	Publishe d	1 .Dr.Srinivasa Rao Sankranti 2 .Dr.Shankar B. B 3 .Dr.S.ChinaVenkate swarlu 4 .Ms.RavulaDivya 5 .Dr.LavanyaVadda 6 .Dr.S.Venkatesh Babu 7 .Dr.KiranmaiBabbu ru 8 .Dr.S.Silas 9 . Mr. A.Muthuvel 10 .Mr.T.Senthil Kumar	Automatic Detection system for Focal EEG signals with Adaptive Wavelet Transform	Dr.Srinivasa Rao Sankranti 2 .Dr.Shankar B. B 3 .Dr.S.China Venkateswarlu 4 .Ms.Ravula Divya 5 .Dr.Lavanya Vadda 6 .Dr.S.Venkatesh Babu 7 .Dr.KiranmaiBabb uru 8 .Dr.S.Silas 9 . Mr. A.Muthuvel 10 .Mr.T.Senthil Kumar	2/12/20 20	11/12/2020	50/2020	LENDI	
4	2020410413 51	Publishe d	1.Dr. BABBURU KIRANMAI (PROFESSOR) 2.G INDIRA PRIYADARSHINI (ASSOCIATE PROFESSOR) 3.Dr. SHILPA SRIVASTAVA 4. Ms. RITU AGARWAL 5. Prof.(Dr.) S. B.	RDAH health notification: IoT based health notification and real time doctor availability checking in hospital using machine learning	1 . Dr. BABBURU KIRANMAI (PROFESSOR) 2 . G INDIRA PRIYADARSHIN I (ASSOCIATE PROFESSOR) 3 . Dr. SHILPA SRIVASTAVA 4 . Ms. RITU AGARWAL	24/09/2 020	9/10/2020	41/2020	LENDI	

			CHORDIYA (DIRECTOR- SIMMC-CAMPUS)		5 .Prof.(Dr.) S. B. CHORDIYA (DIRECTOR- SIMMC- CAMPUS					
5	2020410310 38	Publishe d	Dr. P. Srinivasarao Dr. JBV Subrahmanyam T. Apparao Dr. Narendra Kumar Yagireedy D Nataraj Dr. S Sridhar T. Vishnu Murthy	Portable water purity Monitoring system and method thereof	Dr.P.Srinivasa Rao	21/07/2 020	31/07/2020	31/2020	LENDI	
6	2020410285 01	Publishe d	1 . Dr Pokkuluri Kiran Sree 2 .Smt S.S.S.N Usha Devi .N 3 . Dr. KAMMARA BHARATH KUMAR 4 .K.KAMALA 5 .Dr.T.SUNILKUM AR REDDY 6 .D.Venkatachari 7 . Dr. A. PramodKumar 8 .Mohanraj P 9 . Rajasekar T	Design and development of IoT based flying and jumping locomotive ROBOT for killing locust	1 . Dr Pokkuluri Kiran Sree 2 .Smt S.S.S.N Usha Devi .N 3 . Dr. KAMMARA BHARATH KUMAR 4 .K.KAMALA 5 .Dr.T.SUNILKU MAR REDDY 6 .D.Venkatachari 7 . Dr. A. PramodKumar 8 .Mohanraj P 9 . Rajasekar	4/7/202 0	10/7/2020		LENDI	
7	2020410218 60	Publishe d	1 . Dr. CH N SANTHOSH KUMAR 2. Dr. MALLAVARAPU RAJAN BABU	An interactive system and method of IoT and cloud computing for intelligent power utilization	Dr. CH N SANTHOSH KUMAR 2 . Dr. MALLAVARAP U RAJAN BABU	25/ 05/202 0	5/6/2020	23/2020	LENDI	

			3. Dr. V. SITHA RAMULU 4. Dr. BABBURU KIRANMAI 5. Dr. SUDHEER REDDY K		3 . Dr. V. SITHA RAMULU 4 . Dr. BABBURU KIRANMAI 5 . Dr. SUDHEER REDDY K					
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### DEPARTMENT OF ELECTRICAL & ELECTRONICS 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.
4.	2.02041E+11	Published	Dr.Mrutyunjaya Mangaraj, Mr.Majji Satish , Koyyana Srinivasa Rao	Artificial intelligence based smart motorized bicycle	Dr. Mrutyunjaya Mangaraj	23/03/2020	22/05/2020	2.02041E+11	Lendi Institute of Engineering and Technology	<a href="https://ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus">https://ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus</a>
5.	2.02041E+11	Published	Dr.K.Subbaramaiah	A system and method for sanitizer spraying application	Dr.K.Subbaramaiah	9/9/2020	25/09/2020	2.02041E+11	Lendi Institute of Engineering and Technology	<a href="https://ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus">https://ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus</a>
6.	2.02041E+11	Published	B.Ramavaraprasad	Design and Development of V-I	B.Ramavaraprasad	19/10/ 2020	30/10/ 2020	2.02041E+11	Lendi Institute of Engineering and Technology	<a href="https://ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus">https://ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus</a>

				Methods for emergency vehicle to secure the human lives					Technology	ch/ViewApplicationStatus
7.	2.02141E+11	Published	Dr. Rohit Babu	Automatic billing system in a shopping mall by using the smart card	Dr. Rohit Babu	4/2/2021	12/02/2021	2.02141E+11	Lendi Institute of Engineering and Technology	<a href="https://ipindiaservices.gov.in/PatentSearch/ViewApplicationStatus">https://ipindiaservices.gov.in/PatentSearch/ViewApplicationStatus</a>

### DEPARTMENT OF MECHANICAL ENGINEERING

S.NO.	NAME OF THE FACULTY	TITLE	PATENT NO	INDIAN/INTERNATIONAL	PUBLISHED DATE
1	Dr.satish pujari	INTEGRATED AIRLESS WHEEL	Application No: 349539001	INDIAN	Sep/21
2	Dr.satish pujari	DESIGN AND FABRICATION OF ELLIPTICAL TRICYCLE USING TILTING MECHANISM	Application No: 2021103644	INTERNATIONAL	Jun/21
3	Dr.P.Thimothy	LOW-COST SMART-VEHICLE CHARGINGSATION WITH BATTERY SWAPPING TECHNOLOGY	Application No: 202141028205	INDIAN	23/06/2021