



GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY::NELLORE
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Academic Year 2020-21

R & D and Consultancy Activities

List of Patents

Sl. No.	Name of the Faculty	Patent details	Area of the patents files/ obtained	Status	Filing agency
1	Dr. A. Kishore Reddy	Design and development of artificial intelligence based architecture of Smart grid integrated with wireless communication networks	Wireless Communication	Published on 02.10.2020	Individual
2	Dr. K. Radhika	Automatic Pulses/Dals/Cereals Dispenser using Electronic Valves	Instrumentation	Published on 19.05.2021	Individual
3	Dr. K. Radhika	Crane operated blind spot area to avoid accident	Instrumentation	Published on 23.04.2021	Individual
4	Dr. K. Radhika	Automated cleaning machine for panchakarma Ayurveda Table	Instrumentation	Published on	Individual
5	Dr. P. Rahul Reddy	Smart Parking and Vehicle Name Plate Detection	Image Processing	Published on 31.07.2020	Individual
6	Dr. Shaik Mahaboob Basha	Optimized convolution neural network (OCNN) for voice based sign language recognition optimization and regularization	Neural Networks	Published on 21.08.2020	Individual
7	Dr. Shaik Mahaboob Basha	Fully-automatic brain tumor segmentation using deep learning method	Deep Learning	Published on 28.08.2021	Individual

8	Dr. Shaik Mahaboob Basha	Preventing vehicle accidents: intelligent accident avoidance Using satellite-based positioning system	Communication	Published on 31.07.2020	Individual
9	Dr. Syed Jeelan Basha	A remote controlled solar weed removal machine	IoT	Published on 13.11.2021	Individual
10	Mr. G. Kiran Kumar	Optimized convolution neural network (OCNN) for voice based sign language recognition optimization and regularization	Neural Networks	Published on 21.08.2020	Individual
11	Mr. Naveen Kolla	Automatic Pulses/Dals/Cereals Dispenser using Electronic Valves	Instrumentation	Published on 19.05.2021	Individual



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Academic Year 2019-20

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List of Patents

Sl. No.	Name of the Faculty	Patent details	Area of the patents files/ obtained	Status	Filing agency
1	Dr. A. Kishore Reddy	A System and Method for Energy Efficient and Effectively Secured Data Aggregation in Cluster Based Wireless Sensor Networks	Image Processing and Wireless Communication	Published on 12.06.2020	Individual
2	Dr. P. Rahul Reddy	Method and System and device for estimating the power requirements of various circuits and approaches for lowering of power consumption for given circuit	VLSI	Published on 14.06.2020	Individual



GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY::NELLORE
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Academic Year 2018-19

R & D and Consultancy Activities

List of Patents

Sl. No.	Name of the Faculty	Patent details	Area of the patents files/ obtained	Status	Filing agency
1	Dr. D. Regan	Clogging control and prevention in routing in WSN	Wireless Sensor Network	Published on 14.06.2019	Individual