



SRI VENKATESWARA COLLEGE OF ENGINEERING (Autonomous)

Karakambadi Road, Opposite LIC Training Centre, Tirupati – 517 507.
Accredited by NBA (B.Tech – CSE, ECE, EEE, Mech., Civil and IT) & NAAC with 'A' Grade
Approved by AICTE, New Delhi permanently affiliated to JNTUA, Ananthapuram.

Department of Electrical & Electronics Engineering

Patents Published 2023-24

S.No	Name of the Faculty	Title	Application NO	Status	Date
1	Dr. Kumar K Dr. V Lakshmi Devi C Keerthi	Rechargeable LED Lighting System with Color Modulation, Multiple Illumination levels, and Ultrasound Pest Control	202341054392 A	PUBLISH ED	01-09-2023
2	M.Jyothsnadevi K.Prathibha N.Pushpa	Advanced Diagnostic Algorithm for Battery and Motor Anomalies in Electric and Hybrid Vehicles	202341064056	PUBLISH ED	6-10-23
3	Dr. K. Prasanna Kumar Mr. M. Ramnath Dr. Nellore Manoj Kumar Dr. Katikireddy Srinivas Dr. Shaik Rafi Kiran Mrs. Khaja Shahini Begum Mr. T. Ravi Babu	Intelligent Conversational Agent for IoT-Enabled Communication Devices using Natural Language Processing and Machine Learning	202341062348 A	PUBLISH ED	6-10-23
4	Dr. Kumar K Dr. V Lakshmi Devi NM Girish Kumar K Raju P Suneetha K Roopa Raj Y Hari Krishna	Auto Rickshaw with LED advertising board powered by solar panels		FILED	10-01-2024
5	Dr. B. Brahmaji Mr. Abhijit Anil Gaikwad Dr. Nellore Manoj Kumar Dr. Anitha R Dr. Shobha N C Ms. Sweta Dipakraj Kapade Dr. M.S.N.A. Prasad Dr. Shaik Rafi Kiran	DURABLE AND HIGH-PERFORMANCE LITHIUM ION BATTERIES WITH NANOSTRUCTURED CATHODE MATERIALS	202341068059 A	PUBLISH ED	20-10-2023
6	Dr. Kumar K Dr. V. Lakshmi Devi Dr. S Murali Krishna Dr. Ramji Tiwari Surjith Surya V Dr. Rohit Babu Dr. Sheila Mahapatra Dr. K.C. Ramya Swetha Shekarappa G Yuvaraj S	AI-Driven Electric Vehicle Charging System	202341071602 A	PUBLISH ED	01-12-2023



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7	Dr. JA Baskar G. Dilli Babu P. Vinod Kumar	AUTOMATED TEXT COMPOSITION SYSTEM BASED ON MACHINE LEARNING AND DEEP LEARNING	202341066665 A	PUBLISH ED	20/10/2023
8	Ms. Radhika Somakumar Ms. Anuja Prashant Diwan Mr. Mondru Chiranjeevi Dr. V. Y. Kondaiah Mr. D Venkatabramhanaidu Prof. Shital Narayan Gavade Mr. Banavath Manthru Naik Dr. Vardhana Syamala Mr. B. Siva Sankar Dr. Shaik Rafi Kiran	Artificial intelligence- powered battery drain prediction and optimization for electric vehicles	202341066665 A	PUBLISH ED	15-12-23
9	Dr. B. Ramana Kumar Dr. Sajja Suneel Dr. Manoj Kumar Merugumalla Dr. M. Kalyana Raju Dr. Y. Venkata Krishna Reddy Dr. Shaik Rafi Kiran	Advanced 6G Infrastructure and Devices for High- Speed Global Connectivity and Augmented Reality Integration	202341080308	PUBLISH ED	22-12-23
10	Dr. Ganesh B. Akat Dr. Venkataramana Guntreddi Dr. Subhrajit Pradhan Dr. T. Raghavendra Vishnu Dr. Y. Anil Kumar Dr. Sk. Erfan Dr. Nandkumar Popatrao Dharmadhikari Dr. Shaik Rafi Kiran Mr. B. Perumal Dr. Dongare Ashok Kalyan	Adaptive Solar- Photovoltaic and Battery Management System for Autonomous Vehicle Operations	202321080455	PUBLISH ED	22-12-23
11	Dr. SHAIK RAFI KIRAN	Nano-Enhanced PCM Formulations for Rapid Charge/Discharge in EV Thermal Energy Storage Systems	202341084574	FILED	5-1-24
12	Dr K Sudheer Dr P Suresh	AUTONOMOUS AGRI ROVER	398116-001	FILED	20-10-2023



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	Dr Y V Krishna Reddy				
13	Dr. SHAIK RAFI KIRAN	Enhanced Energy Density Lithium Ion Batteries Using Nanostructured Electrode Materials	202321089031	FILED	27-12-2023
14	Dr. SHAIK RAFI KIRAN	UK Design Patent : Sleek and Stylish Electric Scoote	6338963	FILED	12-01-2024

Patents Published 2022-23

S.No	Name of the Faculty	Title	Application NO	Status	Date
1	Dr. Kumar K Dr. V. Lakshmi Devi Mr. Abinands Ramshanker Dr. K. Harshavardhana Reddy Dr. Avagaddi Prasad Dr. Devabalaji KR	Multi-Input Matrix Converter for Hybrid Solar and Wind System with Ex-OR Gate Logic	202241064970 A	Published	25/11/2022
2	Dr.P.Suresh Dr.Shaik Rafi Kiran Dr.D.Srinivasulu Reddy Mr.E.Nanda Kumar Ms.K.Yamuna Mr.B.Sreenivas Reddy Mrs.R.Sireesha Mr.M.Mahesh Swamy Ms.C.Bindu Sree Dr.K.Sudheer	SMART GARBAGE SEGREGATOR AND ENERGY GENERATOR	202341027809 A	PUBLISH ED	5-8-2023

Patents Published 2021-22

S.No	Name of the Faculty	Title	Application NO	Status	Date
1	Mr. V V Supura Dr. N Visali Dr. Y N Vijaykumar Dr. Shaik Rafi Kiran Mrs. P. Suneetha Mr. Dandu Srinivas Dr. V Sekhar Mr. P VenkataVaraprasad Dr. Avagaddi Prasad Dr. K. Harshavardhana Reddy Dr. Kumar K	Droop Characteristics Based Power Supply for Electric Traction System	202141040185 A	Published	17/09/2021

Patent Published 2020-21



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1	Dr. Kumar K, Dr. V. Lakshmi Devi, Mrs. R. Sireesha, Mr. N.M. Girish Kumar, Mrs. B. Banusuriya, Mrs. P. Suneetha, Mr. Y V Krishna Reddy, Mr. Gowtham Chendra	Household Water Usage Auditing, Assessment Report and Scheduling	202141001828 A	Published	22/01/2021
2	Dr. Raja Reddy. Duvvuru, R. Sireesha, Dr. Luke John Baktha Singh Immaraju, Dr. Bolla Madhusudhana Reddy, Palleti Venkata Kusuma, M. Manikumar Reddy, Kameswara Vasishta Kumar Kavuturu, Dr. V. Lakshmi Devi, Dr. Varaprasad Janamala, Dr. Koritala Chandra Sekhar	Compact Washing Machine	339783-001	Published	26/02/2021
3	K.Vishnu Vardhan Reddy, K.Hemanth Kumar, N.Puneeth Kumar, Dr. K. Sudheer, P.Suresh, Dr. D Srinivasulu Reddy, Dr.N.Sudhakar Reddy	Intelligent Range Estimator and Crash Detector for Electric Vehicles	202141002284 A	Published	22/01/2021