

G. Pulla Reddy Engineering College (Autonomous): Kurnool

S.NO	Patent Application No.	Status of Patent (Published / Granted)	Department	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)
1	202441048101	Published	CSE	Dr.G.Rajeswarappa	ARTIFICIAL INTELLIGENCE AND IOT BASED CREDIT CARD FRAUD DETECTION USING MACHINE LEARNING ALGORITHMS	1 . Dr.G.Rajeswarappa 2 . Dr M Uma Devi 3 . Ravi Kumar 4 . Tirunagari Anilkumar 5 . Dr. D. Sivakumar 6 . K.C.Palanisamy 7 . S.Anitha 8 . Dr. P. Chitra 9 . Mr.K.Karthikeyan 10 . Dr. Senthil P	22-06-2024	28-06-2024	202441048101	G.Pullareddy Engineering College
2	202431040287	Published	EEE	B.Amarnath Naidu	AI controlled Z-Source Inverter Technology with Solar Panels for Enhanced Refrigeration Efficiency	1 . Mr. Vinay Kumar Siroliya 2 . B.Amarnath Naidu 3 . Dr. Sunil Prem Kishor Roy 4 . Mr.Prakash Kumar Dewangan 5 . Dr.T.Arulkumar 6 . Mr. Shubham Dewangan 7 . N Gowri Vidhya	23-05-2024	31-05-2024	202431040287	G.Pullareddy Engineering College

3	202441057152	Published	CSE	Kunduru Gayathri	BLOCKCHAIN AND AI-BASED SECURE ONLINE EXAMINATION SYSTEM FOR PREVENTING CHEATING AND ENSURING ACADEMIC INTEGRITY	1 . Kunduru Gayathri 2 . Dr.J.Jean Justus 3 . Y Laxmana Rao 4 . Dr.M.Newlin Rajkumar 5 . Dr.J. Alfred Daniel 6 . Mrs. Jaya shree S 7 . Anshul Arora 8 . Arun Kumar M 9 . Mr Sujoy Kumar Basu 10 . Ms. Saranya. D	27-07-2024	02-08-2024	202441057152	G.Pulla reddy Engineering College
4	202441056208	Published	CSE	Dr. G. Rajeswarapp a	AI-DRIVEN SEA VOLTAIC SUPER BOAT FOR SUSTAINABLE FISH FARMING	1 . Dr.G.Rajeswarappa 2 . Dr.Shaziya Islam 3 . Mrs.Londhe Dhanashri Rohidas 4 . Dr. Anil Kumar 5 . Mr. Thushar S Shetty 6 . Mrs. A Sruthi 7 . Abhijith RP 8 . Dr.R.Karthick	24-07-2024	02-08-2024	202441056208	G.Pulla reddy Engineering College
5	202441061912	Published	CSE	Dr. C. Sreedhar	AI AND BLOCKCHAIN-BASED CYBERSECURITY SYSTEM FOR REAL- TIME THREAT DETECTION AND MITIGATION IN IOT NETWORKS	1 . Dr.C. Sreedhar 2 . Dr. Debayan Mandal 3 . Dr. Dipankar Das 4 . Subimal Nandi 5 . A Neelima 6 . Mr. Sandeepan Saha 7 . Dr.C J Raman 8 . Mrs.N.Padmashri 9 . Ms. R. Swathiramy 10 . Prof (Dr) Subhrendu Guha Neogi	14-08-2024	23-08-2024	202441061912	G.Pulla reddy Engineering College

6	202441066919	Published	CSE	L Sudha Rani	MACHINE LEARNING-POWERED AUTOMATED INFLUENCER MARKETING ANALYTICS PLATFORM FOR SOCIAL MEDIA NETWORKS	1 . L Sudha Rani 2 . R.Deepa 3 . R. Shoba 4 . Dr. Pravin Shamrao Jadhav 5 . Manisha Das 6 . Dr. Ranjana P. Shinde 7 . Prasanth T 8 . N. Menaka 9 . Sandeep Singh 10 . A.Arun	04-09-2024	13-09-2024	202441066919	G.Pulla reddy Engineering College
7	202441067563	Published	EEE	Dr. V. Anantha Lakshmi	AN INTELLIGENT AND NOVEL SMART CROP PROTECTION SYSTEM FROM ANIMALS	1 . Dr.V.Anantha Lakshmi 2 . P.Likitha 3 . Anjali Pushpa Jalluri 4 . G S Surendra Babu 5 . Mrs. T. V. Sai Kalyani 6 . Y.Meena 7 . Vallamkonda Usha Rani 8 . Dr. Monikaben Maheshbhai Patel 9 . Mrs. Kunduru Anusha	06-09-2024	13-09-2024	202441067563	G.Pulla reddy Engineering College
8	202441069132	Published	CSE	Dr. Rameswara Reddy.K.V	AI and IoT-Based Smart Agriculture System for Real-Time Crop Health Monitoring and Yield Prediction Using Machine Learning	1 . Dr. Rameswara Reddy.K.V 2 . Poreddy Jayaraju 3 . Praveen Kumar Kanapala 4 . V Naga Srinivas 5 . Dr. G. Suganya 6 . Dr. Vineeta Gulati 7 . Dr P D Selvam 8 . Dr.G.Manikandan 9 . Sandeep Singh 10 . A.Arun	12-09-2024	20-09-2024	202441069132	G.Pulla reddy Engineering College

9	202441078190 A	Published	ECS	Dr. Y. Rama Mohan	Deep Learning-Driven Automated Content Moderation System for Social Media Platforms Using Computer Vision	1. Dr. Y. Rama Mohan 2. S. Chandra Jeya 3. S. Fransta Darshana 4. Anju. J 5. Gladys Rupavathi.B 6. A. Arun 7. A. Nithya 8. Mr. K. Karthikeyan 9. Saranya.S 10. K. Jason	15-Oct-24	25-Oct-24	202441078190 A	G.Pulla reddy Engineering College
10	6400732	Granted	CSE	Dr. G. Rajeswarappa	Computer Vision drone for Construction Site Management	1 . DR. GOVARDANAGIRI RAJESWARAPPA 2 .SHAKIR SYED 3 . DR.SUBRAMANIAN SELVAKUMAR 4 . MR. ENEYACHEW TAMIR 5 . RAMA CHANDRA RAO NAMPALLI 6 . DR DARAPUREDDI VIJAYA KUMAR	28-Oct-24	04-Nov-24	6400732	G.Pulla reddy Engineering College
11	6400730	Granted	CSE	KUNDURU GAYATHRI	DEVICE FOR MONITORING CARBON FOOTPRINT AND EMISSION MANAGEMENT IN URBAN AREAS	1 . KUNDURU GAYATHRI 2 . RAMA CHANDRA RAO NAMPALLI 3 . SHAKIR SYED 4 . MR. ANKURBHAI SURESHBHAI VASAVA 5 . DR.SUKANT KISHORO BISOY 6 . DR DARAPUREDDI VIJAYA KUMAR 7 . MRS. CHANDRA VANARAJ	28-Oct-24	04-Nov-24	6400730	G.Pulla reddy Engineering College
12	6396545	Granted	EEE	BOYA AMARNATH NAIDU	Mental Wellness Monitoring Device	1 . DR. SIVANANDHA SARASWATHY MALAIAAND 2 . BOYA AMARNATH NAIDU 3 . DR. CHANDRAKANT PANDURANG 4 . DR. RATAN SARKAR 5 . MR VISHWANADHAM MANDALA 6 . DR .FATIMA MOHSIN INAMDAR 7 . DR ABHAY SHARMA	09-Oct-24	18-Oct-24	6396545	G.Pulla reddy Engineering College

13	431702-001	Granted	ME	Dr. R. Meenakshi Reddy	Thermal Energy Storage Testing Device	1. Dr. R. Meenakshi Reddy 2. K. Jayasimha Reddy 3. G. Venkatesh 4. G. Praveen Kumar Yadav 5. Dr. K. Krishna Reddy 6. E. Siva Reddy 7. P. Lakshmi Reddy 8. B. Madhusudhan Reddy	26-Sep-24	11-Dec-24	431702-001	G.Pulla reddy Engineering College
14	202441098121 A	Published	CSE	Dr. B. Santhosh Kumar	Innovative Quantum Computing Architecture for Large-Scale Machine Learning Applications in Big Data Environments	Dr. B. Santhosh Kumar Dr. P. Penchala Prasad Mr. G. Vikram Chandra	12-Dec-24	20-Dec-24	202441098121 A	G.Pulla reddy Engineering College
15	6410165	Granted	CSE	P. Sunanda	AI Based Organic Waste Composter	1. Sunanda Perla 2. Ms. Vidhyavathi Kotha 3. Alte Pallavi Dattatray 4. Dhruva Teja Kandalam Sunil 5. Dr. Mohd Ashaq 6. Venkata Sai Chaitanya Varma Sirivuri 7. Dr. Amitansu Pattanaik 8. Prof. Aniket Ganesh Awasthi 9. Dr. Yashoverdhan Vyas 10. Dr. Namrata Tripathi	10-Dec-24	20-Dec-24	6410165	G.Pulla reddy Engineering College
16	431998-001	Granted	CE	Dr. R. Sushmitha	AI Based Black Chain Transportation Observation Device	Dr. R. Sushmitha Dr. Anil Modinpuroju Dr. Jaya Krishna Jammila	27-Sep-24	29-Nov-24	431998-001	G.Pulla reddy Engineering College
17	2.02441E+11	Published	CSE	R. Sandeep Kumar	A Deep Learning Framework for Real-Time Skin Lesion Detection and Classification	1. R. Sandeep Kumar 2. Mr. Deependra Panday 3. Amar Choudhary 4. Ms. Sucheta Krupalini Moharana 5. Mr. Sudheer Babu Punuri	23-Dec-24	10-Jan-25	202441101969	G.Pulla reddy Engineering College

18	202541001629 A	Published	CSE	Dr. B. Santhosh Kumar	Artificial Intelligence Powered Fraud Detection System for Enhancing Security in Crypto Currency Exchanges	Dr. B. Santhosh Kumar Dr. P. Penchala Prasad Mr. G. Vikram Chandra	08-Jan-25	17-Jan-25	202541001629 A	G.Pulla reddy Engineering College
19	2.02441E+11	Published	ECE	Dr. G. Amjad Khan	Assessment Using Irrigation Techniques Using Field Agricultural Management in Categorization with PA	1. G. Amjad Khan 2. K. Pranathi 3. M. Lakshmi Narayana 4. Sonali Laxmanrao Mortale 5. Manaswini Aniruddha Partlikar 6. M. Madhusudhan Reddy 7. Madhavi Manoj Kumar Mali 8. P. Padmapriya 9. Manju Bagga	31-Dec-24	17-Jan-25	202441105052	G.Pulla reddy Engineering College
20	202541003755 A	Published	CSE	Dr. C. Sreedhar	Machine Learning-Powered Predictive Analytics System for Early Detection of Parkinson's Disease Using Voice Analysis and IOT Sensors	1. Dr. C. Sreedhar 2. Adars.U 3. Sunitha.V 4. Dr. G. Suganya 5. Chowdada Bharathi 6. K. Swaminathan 7. Dr. Soni Chaurasia 8. Sneha Amit Kumar Manekar 9. Preethi J 10. A. Arun	16-Jan-25	24-Jan-25	202541003755 A	G.Pulla reddy Engineering College
21	2.02441E+11	Published	ECE	Dr. S.M. Shamsheer Daula	Determine Malicious Attacks with Real Time IoT Devices to Analyse Their Vulnerabilities with Leveraging Deep Learning Techniques	1. S. Kranthi 2. Dr.S.M. Shamsheer Daula 3. Jhansi Rani Mettu 4. S. Sravana Kumar 5. Dr. I. Jeya Daisy 6. Dr. G. Ramesh 7. Dr. V. Dinesh Kumar	31-Dec-24	17-Jan-25	202441105061	G.Pulla reddy Engineering College

22	2.02541E+11	Published	EEE	Dr. C. Harinatha Reddy	Real-time Monitoring and Management of Smart Electrical Grids Using IoT Applications	1. Dr. C. Harinatha Reddy 2. Dr. Pravinkumar Dhanjibhai patel 3. Mr. Manishkumar Dahyalal patel 4. Dr. Vinay Kumar Yadav 5. Mrs. K. Rajani 6. Dr. Polasi Sudhakar 7. Dr. Jaghannath.K 8. Mrs. R. Buvaneswari 9. Ms. R. Aswini	28-Jan-25	07-Feb-25	202541007010	G.Pulla reddy Engineering College
23	202541011292	Published	CSE	M. Anand	AI-Driven System for Automated Detection of Diabetic Retinopathy Using Fundus images	1. M. Anand 2. bhavya Varma 3. Dr. D. Chitra 4. Deependra Pandey 5. Dr. Amar Choudary	11-Feb-25	14-Feb-25	202541011292	G.Pulla reddy Engineering College
24	202541013221	Published	CSE	Dr. T. Swathi	Machine Learning Based Predictive Model for Leaf Nutrient Deficiency Detection in Crops	1. Seepuram Srinivas Kumar 2. Dr. T. Swathi 3. Sabareesh R 4. Ms. Ulka Madhukar Bansode 5. Dr. Anil kumar Lamba 6. Dr. Premendra Janardan Bansod 7. Dr. Pankaj H. Chandankhede 8. Dr. Lalit Mohan Trivedi 9. Dr. Manasi Vyankatesh Ghamande 10. Dr. K. Rakesh 11. Anvesh Perada 12. Dr. Mohd Asif Shah	16-Feb-25	21-Feb-25	202541013221	G.Pulla reddy Engineering College
25	432196-001	Granted	ME	Dr. R. Meenakshi Reddy	Energy Storage Device	1. Dr. R. Meenakshi Reddy 2. Dr. H. Raghavendra Rao 3. Dr. P. Harisankar 4. Dr. G. Suresh Kumar 5. Dr. E. Venugopal Goud 6. G. Shaikshavali 7. K. Jayasimha Reddy 8. G. Venkatesh	29-Sep-24	30-Jan-25	432196-001	G.Pulla reddy Engineering College

26	202441089821	Published	CE	C. Balasai	Investigations on use of Brick based Building Derived Materials for Geotechnical Applications	1. Dr. Ashok Kumar Suluguru 2. Ms. C. Balasai 3. Ms. Japthi Sravani 4. Dr. K. Tharani 5. Mr. Putturu Manoj Kumar	20-Nov-24	29-Nov-24	202441089821	G.Pulla reddy Engineering College
27	202541017900	Published	CSE	M. Raghavendra Reddy	AI-Based Real-Time Wildlife Monitoring System Using IoT-Connected Cameras and Deep learning Algorithms for Species Identification	1. M. Raghavendra Reddy 2. Prof. Dhiraj S. Kalyankar 3. Dr. J. Gajavalli 4. Akella Subhadra 5. Ms. Pooja Panapana 6. Rishika Mehta 7. S. Shanthini 8. Dr. S. Nithya 9. Dr. Senthil P 10. Dr. R. Hariharan	28-Feb-25	14-Mar-25	202541017900	G.Pulla reddy Engineering College
28	431544-001	Granted	ME	Dr. R. Meenakshi Reddy	Solar Powered Seawater Desalination Apparatus	1. Dr. R. Meenakshi Reddy 2. Dr. T. Hari Prasad 3. K. Jayasimha Reddy 4. Dr. G. Shankaraiah 5. Dr. B. Madhusudhan Reddy 6. G. Venkatesh 7. M. Murali Mohan 8. G. Praveen Kumar Yadav	25-Sep-24	18-Mar-25	431544-001	G.Pulla reddy Engineering College
29	440314-001	Granted	H&BS	Dr. A. Vijaya Kumar	AI-Driven Automated Football Training System with Precision Ball Passing and Shooting Mechanism	1. Dr. Ediga Raja Gopal 2. Dr. A. Vijaya Kumar 3. P. Vasundhara Reddy	11-Dec-24	17-Feb-25	440314-001	G.Pulla reddy Engineering College
30	202541018879	Published	ECS	S. Vinay Kumar	Adaptive Deep Learning Framework for Real-Time Anomaly Detection in Large-Scale Data Streams	1. S. Vinay Kumar 2. Dr. K. Rangaswamy 3. Sharan Kumar 4. Dr. A.Venkata Sridhar 5. Dr. V. Kishen Ajay Kumar 6. Dr. T. Ravikumar	03-Mar-25	14-Mar-25	202541018879	G.Pulla reddy Engineering College

31	202541028293	Published	CSE	B. Mohan Krishna	A Machine Learning Model for Real-Time Prediction of Patient Deterioration in ICUs	1. B. Mohan Krishna 2. U. Veeresh 3. K. Hema 4. Dr. Shashank Awasthi 5. Dr. Amar Choudhary	26-03-2025	25-04-2025	202541028293	G.Pulla reddy Engineering College
32	446081-001	Granted	CSE	Dr. G. Rajeswarappa	Portable Renewable Energy Harvesting Toolkit for Iot-Connected Smart Devices	1. Dr. G. Rajeswarappa 2. D. Pravin Kumar 3. R. Sudha 4. Dr. T. Balachander 5. Dr. G. Jogendra Kumar 6. Dr. K. Kumararaja 7. Dr. P. Meenalochini	30-01-2025	08-05-2025	446081-001	G.Pulla reddy Engineering College
33	202541046721	Published	CSE	Mr. V. Mallesi	An ML-Powered Decision Support System for Optimizing Radiation therapy in Cancer Treatment	1. V. Mallesi 2. Dr. Chatrapathy K 3. Dr. Arun G 4. V. Archana Reddy 5. Dr. Amar Choudhary	15-05-2025	30-05-2025	202541046721	G.Pulla reddy Engineering College
34	202541049372	Published	EEE	Smt. G. Haritha	Performance Improvement of Hybrid Renewable Energy Sources Connected to the Grid Using Artificial Neural Network and Sliding Mode Control	1. V. Ramanjaneyulu 2. Haritha Guddeti 3. Syed Saheb 4. Dr. M.V. Subramanyam 5. Santhiram Engineering College 6. Dr. V. Naga Bhaskar Reddy 7. Venkata Sujala Urimindi 8. Koppola Vasavi 9. S. Seetharamudu 10. N.V.S. Prasad 11. Vavilla Sireesha 13. Chepuri Yeswanth 14. Kamjur Abhishek	22-05-2025	20-06-2025	202541049372	G.Pulla reddy Engineering College

35	202541049348	Published	EEE	Dr. G. Venkata Subba Reddy	Robust Control Based Grid Synchronization for Hybrid WEC-PV-BES Distributed Energy Systems	<ol style="list-style-type: none"> 1. Seetharamudu 2. Dr. G. Venkata Subba Reddy 3. Pullammagari Pedda Reddy 4. Vavilla Sireesha 5. Santhiram Engineering College 6. Dr. D. Lenine 7. Chidige Somasankarappa 8. Dr. M. Yerri Veeresh 10. Y. Sai Venkat 11. D. Chakradhara Reddy 12. Bayanna Gari Chethan 13. S. Mohammed Ismail 	22-05-2025	20-06-2025	202541049348	G.Pulla reddy Engineering College
36	202541049345	Published	EEE	Dr. S. Anil Kumar	Integrated Single Phase on Board Electric Vehicle Charger with Vehicle to Grid Capabilities	<ol style="list-style-type: none"> 1. Dr. M. Yerri Veeresh 2. Dr. Samgugari Anil Kumar 3. M. S. Shiva Kumar 4. Dr. Mattukuru Vasu 5. Santhiram Engineering College 6. Dr. V. Naga bhaskar Reddy 7. Ediga Ravi Teja 8. Dr. K. Rajasekhara Reddy 9. A. Raghavendra Prasad 10. V. Harsha Vardhan 11. Shauk Imthiyaz Ahmed 12. Butchar Mohammed Avez 13. Shaik Arif Hussain 	22-05-2025	20-06-2025	202541049345	G.Pulla reddy Engineering College

37	202541049277	Published	CSE	Y. Supriya Reddy	AI Driven Defect Prediction Framework with Integrated Code Quality and Runtime Analysis	<ol style="list-style-type: none"> 1. J. David Sukeerthi Kumar 2. Y. Supriya Reddy 3. Dr. M.C. Bhanu Prasad 4. Dr. Raja Kumar Raiaboina 5. Dr. M.V. Subramanyam 6. K. Samson Paul 7. P.Y. Prasanna Kumari 8. K. Manikyamma 9. P. Jacob Vijaya Kumar 10. C. Venkata Swamy 11. G. naga Pavani 12. G. Shireesha 13. Y. Akash 	22-05-2025	20-06-2025	202541049277	G.Pulla reddy Engineering College
38	202541041130	Published	ECS	Dr. R. Praveen Sam	Human Fitness Activities Classification A Machine Learning Approach to Multi-Classification Problems	<ol style="list-style-type: none"> 1. Rashmi A Seshpande 2. Dr. R. Praveen Sam 3. Subhashis Mishra 4. Soujanya Madasthu 5. Dr. Avinash Thakare 6. Dr. K. Suresh 7. Lingaraj Panigraphy 8. Choudhuri Saswat pattnaik 9. C. Usha Priya 	29-04-2025	23-05-2025	202541041130	G.Pulla reddy Engineering College
39	202541041136	Published	ECS	Dr. Y. Rama Mohan	Predicting Urban Water Quality with Ubiquitous Data	<ol style="list-style-type: none"> 1. Dr. Y. Rama Mohan 2. Dr. Dhivya A 3. Dr. K. Manojkumar 4. Sudarshana 5. Dr. Barkha Shrivastava 6. Dr. P. Anitha 7. Rekha Vijay 8. Dr. Ch. Asha Immanuel Raju 9. S. Bavankumar 	29-04-2025	23-05-2025	202541041136	G.Pulla reddy Engineering College