



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (Autonomous)

L.B.Reddy Nagar, Mylavaram – 521 230, Andhra Pradesh, INDIA.

Affiliated to JNTUK, Kakinada & Approved by AICTE, New Delhi.

Accredited by NAAC, NBA Tier-1 for CSE, IT, ECE, EEE & ME and “CPE” status by UGC.

Research & Development Cell

Details of Patents

Total No. of Patents Published : 25
(India: 24, Australia: 01)

| S.No | Patent Title | Applicant / Inventor | Patent No. | Published Date |
|------------------------------|---|--|----------------------------------|----------------|
| Academic Year 2020-21 | | | (03) | |
| 1. | Peak to average power ratio reduction method for MIMO-OFDM system | Manneva Srinivasa Rao, Arepula Sreenivasa Rao, Dr. Vamsidhar Anagani, H.D. Praveena, M.K. Lingamurthy (ECE) Dr. M.L. Ravi Chandra, Dr. A. Satish Kumar, Dr. K.G.S. Venkatesan, Dr. Shaik Bajidvali, Naresh Patnana | 202041049074 | 13-11-2020 |
| 2. | Method of Minimizing the Specific Absorption Values of the Multi-Homed Heterogeneous Wireless Devices | K. Sarat Kumar, Mukesh Soni, K.Ch. Sri Kavya, S. Gomathi, Rajit Nair, Bhavana Bajpai, Dr. A. Narendra Babu, (ECE) V. Saravanan | 2020102248 (Australia) | 14-10-2020 |
| 3. | A Food Disposal Device | Sumanth Ratna Kandavalli, Dr. M. Natarajan, Dr. Y. Raja Sekhar, Dr. Chalasani Chiranjeevi, Dr.K. Sarat, Dr. A. Narendra Babu, (ECE) Dr. Siva Kumar Annamalai, Dr. Bright Keswani | 202041036255 | 11-09-2020 |
| Academic Year 2019-20 | | | (14) | |
| 4. | Automatic Voltage level up/level down shifter for VLSI circuits | Dr. Srinivasulu Gunadala (ECE) | 202041017082 | 05-06-2020 |
| 5. | Smart Wearable Reminder Device | Dr. Ede Venkata Krishna Rao (ECE) | 201941054851 | 03-01-2020 |
| 6. | Pet Cleanliness Detecting Smart Belt | Shaik Johny Basha (CSE) Dr. Mekala Srinivasa Rao | 327364-001 | 08-05-2020 |
| 7. | V-ATM: Intelligent Virtual Bank with Automated Teller Machine | Divvela Srinivasa Rao (CSE) | 202041003687 | 07-02-2020 |
| 8. | Automatic Fire Ball Ejecting Device | Dr.P.Ashok Reddy (CSE) M.Hema Latha | 202041002780 | 31-01-2020 |
| 9. | Computer Implemented Method for Enhanced Security of Color Image using Asymmetric RSA Algorithm | Dr. Chaduvula Rathna Jyothi (CSE) | 202041002481 | 31-01-2020 |



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|------------------------------|--|---|---------------------|------------|
| 10. | Method of Machine Learning Based Cluster Analysis for Large Categorical Data | Dr. Duggineni Veeraiah (CSE) Vekkuluri Siva Krishna | 201941042954 | 25-10-2019 |
| 11. | IHY-Prediction: Intelligent System and Method for Advanced Harvest Yield Prediction Using IoT based Technology | Dr. Srinivasa Rao Mekala (CSE) | 201941054460 | 03-01-2020 |
| 12. | Smart Eyewear With Reading Assistive System | Dr.O.Rama Devi (CSE) Dr.Rama Devi Burri | 201941049771 | 13-12-2019 |
| 13. | A Seamlessly Integrated Super Network of Blood Banks for Easy and Transparent Transactions | Dr. B. Srinivasa Rao (IT) Dr. S. Naganjaneyulu Dr.O.Rama Devi Dr.Rama Devi Burri Ch. Sambasiva Rao | 201841021654 | 13-12-2019 |
| 14. | ATM Card and Fingerprint based Authentication System for Online Banking using Smartphone | Chandra Sekhar Kolli V.V. Krishna Reddy (IT) | 202041015194 | 13-12-2019 |
| 15. | Smoothing filters based jpeg compression for noisy images | Dr. Busi Rambabu (EIE) | 201941044505 | 29-11-2019 |
| 16. | An Alternative Indexing Device for Milling Machines | Dr. L. Prabhu (ASE) P. Gangadhar Venkata Ramana | 201941052488 | 27-12-2019 |
| 17. | Method and System for Transaction between A Bank Account Holder And A Non-Account Holder | Filed (IT) | 202041026892 | 25-06-2020 |
| Academic Year 2018-19 | | | (01) | |
| 18. | Parents Identification System for Missing Children | Dr.Srinivasa Rao Buraga (IT) | 201741041347 | 24-05-2019 |
| Academic Year 2017-18 | | | (05) | |
| 19. | A Seamlessly Integrated Super Network of Blood Banks for Easy and Transparent | Dr. B. Srinivasa Rao (IT) Dr. S. Naganjaneyulu Dr.O.Rama Devi Dr.Rama Devi Burri Mr.Ch. Sambasiva Rao | 2018 4102 1654 A | 9-6-2018 |
| 20. | Intelligent Traffic Violation Detection System | Dr.P.M.Ashok Kumar (CSE) Dr. B. Rambabu | 2018 4101 2170 A | 27-04-2018 |
| 21. | Pulse Voltage Trimming Method of Polymer Thick film Resistors | Dr. B. Rambabu & Dr.B. Poornaiah. (EIE) | 2017 4101 7485 A | 23-02-2018 |
| 22. | System and Method for Intrusion Detection With Clustering for Wireless Sensor Networks | Dr.S. Naganjaneyulu (IT) | 201741041185 A | 24-11-2017 |
| 23. | Microwave Trimming of Polymer Thick film Resistors | Dr.B.Rambabu & (EIE) Dr.B. Poornaiah | 2017 4101 1994 A | 18-08-2017 |
| Academic Year 2016-17 | | | (01) | |



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|-----------------------|--|--|------------------|------------|
| 24. | Vehicle Deceleration Indicating System | Mr. Chaitanya Bhavaraju (ME) | 2016 4103 8756 A | 25-11-2016 |
| Academic Year 2012-13 | | | (01) | |
| 25. | A method of preventing malfunction of distance relay due to power swing in multi machine systems | Dr. M. Uma Vani (EEE) Dr.M. Ramamoorthy | 1356/CHE/2011 | 26-10-2012 |

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(Dr E V Krishna Rao)