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| A logo of a computer  Description automatically generated**CVR COLLEGE OF ENGINEERING**  Vastunagar, Mangalpalli (V), Ibrahimpatan (M), R.R. District - 501510.  (An Autonomous Institution, Accredited by NBA, AICTE, NAAC ‘A’ Grade) |
| **Department of Computer Science & Engineering**  **------------------------------------------------------------------------------------------** |

Date:16/01/2025

Faculty members developed products, filed and got patents. The details of these patents are given below.

**2023-2024**

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| **Sl. No** | **Patent Application No.** | **Status of Patent (Published/Granted)** | **Inventor(s) Name** | **Title of the patent** | **Applicants Name** | **Patent filed Date (DD/MM/YYYY)** | **Patent published/granted data (DD/MM/YYYY)** |
| **1** | 202441014856 | **Published** | Ch. Ram Mohan  Bandi Rambabu  Valiveti Dattatreya  Mallareddy Adudhodla  Bipin Bihari Jayasingh | BLOCKCHAIN-ENABLED SECURE TRANSACTION PROTOCOL FOR IOT DEVICES | CVR College of Engineering | 29-02-2024 | 08-03-2024 |
| **2** | 20244101257 8 | **Published** | Nayani Sateesh  Bandi Rambabu  Ch. Ram mohan  Mallareddy Adudhodla | AI-ENHANCED CROP MONITO RING AND YIELD PREDIC TION SYSTEM | CVR College of Engineering | 22-02-2024 | 08-03-2024 |
| **3** | 20244101256 4 | **Published** | N. Subhash Chandra  Gajjala Raghavender Reddy | FEATURE-BASED HUMAN FACE GENERATION SYSTEM USING  DIFFUSION MODEL FOR  CRIMINALS IDENTIFICATION | CVR College of Engineering | 02-02-2024 | 08-03-2024 |
| **4** | 20244101045 5 | **Published** | **Sagar Mekala** | FACIAL EMOTION BASED MUL  TIMEDIA GENRE CLASSIFICAT  ION SYSTEM AND MODEL  FOR OTT | CVR College of Engineering | 15-02-2024 | 08-03-2024 |
| **5** | 20244100904 1 | **Published** | **M. Archana**  **V.N.V.L.S Swathi**  **A Vani Vathsala**  **Bandi Rambabu** | AI-POWERED INTELLIGENT  NUTRIENT DELIVERY SYSTEM FOR  IOT-ENABLED HYDROPONIC  FARMING | CVR College of Engineering | 10-02-2024 | 08-03-2024 |
| **6** | 20244100877 5 | **Published** | **Syed Muqthadar Ali**  Cindhe Ramesh  Pathapati Kiran Kumar  Kothapalli Deepthi  S. Anup Kant | DYNAMIC IOT DEVICE GROUPING  AND OPERATION OPTIMIZATION SYS  TEM USING CONSENSUS CLUSTERING | CVR College of Engineering | 09-02-2024 | 08-03-2024 |
| **7** | 20244100876 4 | **Published** | **K Venkatesh Sharma** | RENAL HEALTH ASSESSMENT  METHOD AND PREDICTIVE SYSTEM A MACHINE LEARNING APPROACH  FOR EARLY DETECTION AND MONITO RING OF CHRONIC KIDNEY DISEASE | CVR College of Engineering | 09-02-2024 | 08-03-2024 |
| **8** | 20234108896 4 | **Published** | **Bandi Rambabu**  K Deepthi Reddy  B Vikranth  Mallreddy Adudhodla | HYDRO GUARDIAN -WATER  FOOTPRINT SURVEILLANCE FOR  HOMES | CVR College of Engineering | 27-12-2023 | 12-01-2024 |
| **9** | 20234108550 8 | **Published** | **Bandi Rambabu**  M. Archana  V.N.V.L.S. Swathi  Mallareddy Adudhodla | SECURE STUDENT PROFILE  MANAGEMENT WITH PRIVATE  BLOCKCHAIN NFTS | CVR College of Engineering | 14-12-2023 | 12-01-2024 |
| **10** | 20234107895 4 | **Published** | **Singaraju Suguna Mallika**  Ch. Sarada  G. Swetha | AUTOMATED MANHOLE  DETECTOR | CVR College of Engineering | 21-11-2023 | 22-12-2023 |
| **11** | 202341074986 A | **Published** | G. Bala Krishna  D. Sandhya Rani | Real-Time Iot Integrated Malware Classification And Remediation System Using Machine Learning, Heuristic Analysis And Hardware Assisted Security | CVR College of Engineering | 02/11/2023 | 15/12/2023 |
| **12** | 202341075410 A | **Published** | D. Sandhya Rani  G. Bala Krishna | System For Processing Heterogeneous Data From Iot Devices Using Adaptive  Consensus Clustering Framework | CVR College of Engineering | 04/11/2023 | 22/12/2023 |
| **13** | 20234106088 8 | **Published** | **A. Vani Vathsala**  Bandi Rambabu  Satyanarayana Nimmala  M. Archana | EDGE AI-DRONE SYSTEM FOR  CROP DIAGNOSTIC AND PROGNOSTIC  REPORTS GENERATION | CVR College of Engineering | 11-09-2023 | 06-10-2023 |
| 14 | 20234106546 1 | Published | **Rallabhandi venkata siva krishna Dutt**  Atluri vani vathsala | Adjustable pan support for cooking  Reality System For Aiding Visually  challenged Metro Commuters | CVR College of Engineering | 29.09.23 | 13.10.23 |
| 15 | 20234106152 9 | Published | **D.Teja Santosh**  Raghava Morusupalli  Sagar Mekala  Ch.Ram Mohan | A Parsimonious ontological scene  Graph Guided Metacognitive Mixed  Reality System For Aiding Visually  challenged Metro Commuters | CVR College of Engineering | 13.09.23 | 06.10.23 |
| 16 | 20234106092 1 | Published | **Sagar Mekala**  Raghava Morusupalli  D.Teja Santosh  VDS Krishna | Facial Emotion Based Intelligen  Recommender System For OTT  Content | CVR College of Engineering | 11.09.2023 | 06.10.2023 |
| 17 | 20234105269 6 | Published | **Bandi Rambabu**  Satyanarayana Nimmala  Rella Usha rani  Syed Muqthadar Ali | Variable Pesticide  Mixture And Spray  System For Agriculture  Using a Drone with on  on Board video Analytics and  Artificial Intelligence | CVR College of Engineering | 05.08.2023 | 01.09.2023 |
| 18 | 20234105824 5 | Published | **Dokku Durga Bhavani**  Satya Narayana Nimmala  Bandi Rambabu  S Venkata Suryanaraya | Soil Based Edge AI  Driven crop  Recommendation  System | CVR College of Engineering | 30.08.2023 | 08.09.2023 |

**2022-2023**

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| **S. No** | **Patent Application No.** | **Status of Patent (Published/Granted)** | **Inventor(s) Name** | **Title of the patent** | **Applicants Name** | **Patent filed Date (DD/MM/YYYY)** | **Patent published/granted data (DD/MM/YYYY)** |
| **1** | 20234101459 0 | published | Santosh kumar Sahoo  Rakesh kumar Godi  **Braja Bandhu Nayak** | Intelligent  Robotic  image Guide  Bopsy | CVR college of Engineering | 04.03.2023 | 17.03.2023 |

**2021-2022**

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| **S. No** | **Patent Application No.** | **Status of Patent (Published/Granted)** | **Inventor(s) Name** | **Title of the patent** | **Applicants Name** | **Patent filed Date (DD/MM/YYYY)** | **Patent published/granted data (DD/MM/YYYY)** |
| **1** | 202141005184 A | Published | Dr N Satyanarayana  Dr Y Rama Devi  Dr A Vani Vathsala  Dr K Madusudhana  Dr N Subhas Chandra  Dr K Venkatesh Sharma  Mr. B Rambabu  Mr. R Sahith  Mrs. K Manasa  Mr. Md Umar | Smart Automated Device  to Predict High Blood  Pressure Based on  Bio-Psychological  Parameters | CVR College of Engineering | 02-07-2021 | 02-12-2021 |
| **2** | 202141001088 A | Published | Dr K Madusudhana  Ms P Sravani  Mr NNSSS Adithya | Portable Women Safety Device | Dr K Madusudhana | 01-10-2021 | 15/01/2021 |

**Data Prepared by CSE-HOD**

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