

**PATENT DETAILS**

| Sl. No. | Applicant/s Name   | Patent Application No. | Status of Patent (Published / Granted) | Title of the Patent   | Patent Filed Date (DD/MM/YYYY) | Patent Published Date / Granted Date (DD/MM/YYYY) | Assignee/s Name (Institute Affiliation/s at time of Appication) |
|---------|--|------------------------|--|---|--------------------------------|---|---|
| 1       | Dr.J.JEBASTINE, Mr.RANJITH,<br>Dr.G.BALACHANDRAN,<br>Dr.G.C.JAGAN, Mr.B.ARUN<br>VIJAYAKUMAR,<br>Mr.E.SAKTHIVEL,<br>Mrs.C.ANITHA,<br>Mrs.A.SANTHIYA<br>Dr.VENKATA SIVA PRASA<br>CHINTALA, Mr.T.R.CHENTHIL | 6308373                | GRANTED                                | WIRELESS ROBOTIC HAND   | 07-09-2023                     | 14.09.2023  | JEPPIAAR ENGINEERING COLLEGE                                    |
| 2       | Mr.E.SAKTHIVEL,<br>Mr.G.C.JAGAN  | 202341026490 A         | PUBLISHED                              | AUTOMATIC OIL FILLING DEVICE FOR TEMPLE DIYAS   | 10-04-2023                     | 5/5/2023  | JEPPIAAR ENGINEERING COLLEGE                                    |
| 3       | Mr.S.RANJITH,<br>Mr.G.BALACHANDRAN,<br>Mrs.C.ANITHA,<br>Mr.T.R.CHENTHIL,<br>Mr.E.SAKTHIVEL,<br>Dr.J.JEBASTINE  | 379358-001             | GRANTED                                | 'H' SHAPED MICROSTRIP PATCH ANTENNA FOR CIRCULAR POLARIZATION   | 15-02-2023                     | 16-05-2023  | JEPPIAAR ENGINEERING COLLEGE                                    |
| 4       | Mr.T.R.CHENTHIL  | 202241070565 A         | PUBLISHED                              | BLOCK CHAIN & CLOUD COMPUTING BASED CRIMINAL DIGITAL FORSENIC INVESTIGATION & PREDICTION USING AI & ML ALGORITHMS | 28/09/2023                     | 6/10/2023   | JEPPIAAR ENGINEERING COLLEGE                                    |
| 5       | Mr.T.R.CHENTHIL  | 202241070565 A         | GRANTED                                | WIRELESS LAPTOP CHARGER CUM COOLING PAD   | 21/11/2023                     | 27/11/2023  | JEPPIAAR ENGINEERING COLLEGE                                    |
| 6       | Mr.S RANJITH,<br>Mr.G.BALACHANDRAN   | 202141008665A / 2021   | PUBLISHED                              | DATA TRAFFIC FREE SECURED MULTICAST INTERFACING IN SMART IOT DEVICES  | 03-02-2021                     | 15-02-2023  | JEPPIAAR ENGINEERING COLLEGE                                    |
| 7       | Mr.G.C.JAGAN, Mr.B. ARUN<br>VIJAYAKUMAR  | 20224100740            | APPLIED                                | IOT BASED SMART SECURITY BAND FOR WOMEN'S SAFETY  | 15.02.2022                     |   | JEPPIAAR ENGINEERING COLLEGE                                    |
| 8       | Mr.S RANJITH,<br>Mr.G.BALACHANDRAN   | 202211002463A / 2022   | PUBLISHED                              | IOT.CLOUD BASED STROKE-DISEASE CLASSIFICATION AND PREDICTION USING MACHINE LEARNING ALGORITHMS                    | 01-15-2022                     | 2/4/2022  | JEPPIAAR ENGINEERING COLLEGE                                    |
| 9       | Mr.S RANJITH   | 202241001296A          | PUBLISHED                              | RECOMMENDATION AND ORGANIZA   | 10.01.2022                     | 04.02.2022  | JEPPIAAR ENGINEERING COLLEGE                                    |

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| 10 | Mr.G.BALACHANDRAN                                    | 202241001299 / 2022 | PUBLISHED | ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING BASED INTELLIGENT SYSTEM TO IMPROVE THE QUALITY OF VIDEO           | 10.01.2022 | 04.02.2022 | JEPPIAAR ENGINEERING COLLEGE |
| 11 | Mr.T.R.CHENTHIL                                      | 202241070565 A      | PUBLISHED | WATER MANAGEMENT & LEAKAGE DETECTION PROBLEMS SOLUTIONS USING IOT   | 07-12-2022 | 30/12/2022 | JEPPIAAR ENGINEERING COLLEGE |
| 12 | Mr.T.R.CHENTHIL                                      | 202241075333 A      | PUBLISHED | DETECT & PREVENT MALWARE IN CYBER SECURITY USING AI AND DL  | 25/12/2022 | 30/12/2022 | JEPPIAAR ENGINEERING COLLEGE |
| 13 | Mrs.V.NANAMMAL                                       | 2.02241E+11         | PUBLISHED | VLSI BASED WIRELESS COMMUNICATION SYSTEM USING TURBO DECODER FOR EFFECTIVE INFORMATION TRANSFER                 | 4.02.2022  | 11.02.2022 | JEPPIAAR ENGINEERING COLLEGE |
| 14 | Mr.S RANJITH,<br>Mr.G.BALACHANDRAN                   | 364971-001          | GRANTED   | IOT ENABLED DEVICES FOR MONITORING OXYGEN AND BLOOD PRESSURE IN HUMAN BODY- PATENT                              | 02-15-2022 | 27-05-2022 | JEPPIAAR ENGINEERING COLLEGE |
| 15 | Dr.ANITA TITUS,<br>Mrs.C.ANITHA, Mr.S RANJITH,       | 202141022           | PUBLISHED | A NOVEL MATERIAL FABRICATION TO DETECT BREAST CANCER USING DEEP NOVEL CLASSIFICATION MECHANISM.                 | 24/5/2021  | 11/6/2021  | JEPPIAAR ENGINEERING COLLEGE |
| 16 | Dr.J,JEBASTINE, Mr.R.VIVEK KRISHNA                   | 202141048123        | APPLIED   | PIEZOELECTRIC KINETIC ENERGY HARVESTER FOR MOBILE CHARGING  | 22-10-2021 | 2021       | JEPPIAAR ENGINEERING COLLEGE |
| 17 | Dr.ANITA TITUS,<br>Dr.J,JEBASTINE,<br>Mr.E.SAKTHIVEL | 202141030321 A      | PUBLISHED | EMPIRICAL ANALYSIS OF HYBRID MACHINE LEARNING BASED EARLIER STAGE COVID DISEASE PREDICTION USING LUNG CT IMAGES | 07-06-2021 | 16/07/2021 | JEPPIAAR ENGINEERING COLLEGE |
| 18 | Mr.R.VIVEK KRISHNA,<br>Mr.S.BENJAMIN ARUL            | 20214105766         | PUBLISHED | A MINING APPROACH FOR WATER PIPE LINE LEAKAGE DETECTION AND LOCALIZATION  | 08-12-2021 | 17-12-2021 | JEPPIAAR ENGINEERING COLLEGE |
| 19 | Dr.J,JEBASTINE, Dr.ANITA TITUS                       | 201941002364        | PUBLISHED | SYSTEM FOR OPTIMIZING EIGHT – DIMENSIONAL (8D) AUDIO SIGNALS IN A PAIR OF THREE DIMENSIONAL (3D) SPECTACLES     | 19-01-2019 | 25-01-2019 | JEPPIAAR ENGINEERING COLLEGE |