

## Department of Electronics and Communication Engineering

### Students Publication Details

Academic Year 2023-24

| Batch No | Category | REGISTER No. | NAME OF THE BATCH MEMBERS | NAME OF THE SUPERVISOR | TITLE OF THE PROJECT                                                                       | Type of Project (Application/ Product/ Research/ Society) | TRL (Technology readiness level) | Project Outcome (Journal/Scopus Indexed Conference/ Patent)  |
|----------|----------|--------------|---------------------------|------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------|--------------------------------------------------------------|
| 1        | Inhouse  | 20BEC4028    | DEEPANRAJ P               | Mr.P.Ramakrishnan      | Cloud Based Smart Agriculture with Renewable Energy Solution                               | Society                                                   | TRL3                             | Patent no: 202441012357 A                                    |
|          |          | 20BEC4009    | ARULMOZHI B               |                        |                                                                                            |                                                           |                                  |                                                              |
|          |          | 20BEC4052    | HARI HARAN T              |                        |                                                                                            |                                                           |                                  |                                                              |
|          |          | 20BEC4041    | GOKUL P                   |                        |                                                                                            |                                                           |                                  |                                                              |
| 2        | Inhouse  | 20BEC4025    | BOOPATHY L                | Dr.R.Rajeshkanna       | Electric Vehicle Traction with Wireless Based Battery Charging and Fault Management System | Research                                                  | TRL3                             | Patent no: 202441014648 A                                    |
|          |          | 20BEC4034    | DHARUN M                  |                        |                                                                                            |                                                           |                                  |                                                              |
|          |          | 20BEC4018    | BALASURYA B               |                        |                                                                                            |                                                           |                                  |                                                              |
|          |          | 20BEC4006    | AMIRTHISVARAN R P         |                        |                                                                                            |                                                           |                                  |                                                              |
| 3        | Inhouse  | 20BEC4031    | DHANUSHKUMAR S            | Dr.S.Vimalnath         | Dry seed vending machine                                                                   | Society                                                   | TRL3                             | Patent no:202441006523 A                                     |
|          |          | 20BEC4046    | GOWSHIK N                 |                        |                                                                                            |                                                           |                                  |                                                              |
|          |          | 20BEC4049    | GOWTHAM R                 |                        |                                                                                            |                                                           |                                  |                                                              |
|          |          | 20BEC4042    | GOKUL SC                  |                        |                                                                                            |                                                           |                                  |                                                              |
| 4        | Inhouse  | 20BEC4002    | ABIRAJA B                 | Dr.V.Mariselvam        | VIRO GAUGE PIC                                                                             | Society                                                   | TRL3                             | Patent no: 202441005309 A                                    |
|          |          | 20BEC4012    | ASHWIN S                  |                        |                                                                                            |                                                           |                                  |                                                              |
|          |          | 20BEC4022    | BHUVANESH R               |                        |                                                                                            |                                                           |                                  |                                                              |
|          |          | 20BEC4024    | BOOPATHI A                |                        |                                                                                            |                                                           |                                  |                                                              |
| 5        | Inhouse  | 20BEC4035    | DHAYANETHI V              | Mrs.S.Nivishna         | Intelligent defense for women's security                                                   | Society                                                   | TRL3                             | Patent No.202441014650 A                                     |
|          |          | 20BEC4302    | DEEPAN S A                |                        |                                                                                            |                                                           |                                  |                                                              |
|          |          | 20BEC4054    | HARISH M                  |                        |                                                                                            |                                                           |                                  |                                                              |
|          |          | 20BEC4004    | AHAMED MUSTHAFA M         |                        |                                                                                            |                                                           |                                  |                                                              |
| 6        | Inhouse  | 20BEC4038    | ELANCHEZIAN K S           | Dr.E.Dinesh            | IOT Based Air and Water Quality Monitoring System                                          | Society                                                   | TRL3                             | Patent No.202441014147 A                                     |
|          |          | 20BEC4017    | BALASANJEEV KV            |                        |                                                                                            |                                                           |                                  |                                                              |
|          |          | 20BEC4011    | ARUNKUMAR N               |                        |                                                                                            |                                                           |                                  |                                                              |
|          |          | 20BEC4043    | GOPINATH N                |                        |                                                                                            |                                                           |                                  |                                                              |
| 7        | Inhouse  | 20BEC4050    | GOWTHAM S                 | Dr.S.Meivel            | IOT EQUIPPED AND AI-ENABLED NEXT GENERATION SMART AGRICULTURE                              | Society                                                   | TRL3                             | Patent No.202441015631 A                                     |
|          |          | 20BEC4040    | GEETHAN B                 |                        |                                                                                            |                                                           |                                  |                                                              |
|          |          | 20BEC4003    | ABISHEK P                 |                        |                                                                                            |                                                           |                                  |                                                              |
|          |          | 20BEC4036    | DHIVAGAR P                |                        |                                                                                            |                                                           |                                  |                                                              |
| 8        | Inhouse  | 20BEC4044    | DHARSHINI R               | Dr.S.Vimalnath         | Next Generation Health Monitoring Using IOT Revolution                                     | Society                                                   | TRL3                             | ISBN:979-8-3503-4922-1 DOI: 10.1109/AIMLA59606.2024.10531463 |
|          |          | 20BEC4007    | ARCHANA S                 |                        |                                                                                            |                                                           |                                  |                                                              |
|          |          | 20BEC4047    | GOWSIKADEVI M             |                        |                                                                                            |                                                           |                                  |                                                              |
|          |          | 20BEC4053    | HARINI S                  |                        |                                                                                            |                                                           |                                  |                                                              |
| 9        | Inhouse  | 20BEC4037    | ELAKKIYA K V              | Dr.A.Sridevi           | SMART AQUAPONICS AND HYDROPONICS MONITORING SYSTEM USING IoT                               | Society                                                   | TRL3                             | ISBN:979-8-3503-4922-1 DOI: 10.1109/AIMLA59606.2024.10531612 |
|          |          | 20BEC4029    | DEEPIKA                   |                        |                                                                                            |                                                           |                                  |                                                              |
|          |          | 20BEC4030    | DEVA DHARSHINI K          |                        |                                                                                            |                                                           |                                  |                                                              |
|          |          | 20BEC4020    | BHARATHI G                |                        |                                                                                            |                                                           |                                  |                                                              |
| 10       | Inhouse  | 20BEC4085    | KRITHIK PRIYAN K A        | Mrs.T.BALAMANI         | IOT BASED DYNAMIC FLEXIBLE SOLAR PANEL FOR EV BATTERY CHARGING                             | Research                                                  | TRL3                             | Patent No.202441014148 A                                     |
|          |          | 20BEC4081    | KISHOR S                  |                        |                                                                                            |                                                           |                                  |                                                              |
|          |          | 20BEC4094    | LOGESHWARAN S             |                        |                                                                                            |                                                           |                                  |                                                              |
|          |          | 20BEC4095    | LOGESWARAN P              |                        |                                                                                            |                                                           |                                  |                                                              |
| 11       | Inhouse  | 20BEC4107    | MONISHA M                 | Dr.C.NANDAGOPAL        | Anomaly detection with Convolutional Auto encoders for Fingerprint                         | Research                                                  | TRL3                             | Patent No.202441013807 A                                     |
|          |          | 20BEC4106    | MONISH K                  |                        |                                                                                            |                                                           |                                  |                                                              |
|          |          | 20BEC4060    | JANANI G                  |                        |                                                                                            |                                                           |                                  |                                                              |
|          |          | 20BEC4077    | KEERTHANA S               |                        |                                                                                            |                                                           |                                  |                                                              |

|    |         |           |                       |                       |                                                                                       |             |       |                                                               |
|----|---------|-----------|-----------------------|-----------------------|---------------------------------------------------------------------------------------|-------------|-------|---------------------------------------------------------------|
| 12 | Inhouse | 20BEC4078 | KEERTHI S             | Dr.R.RAJESHKANNA      | Smart EV Charging with on-grid Green Energy Power and Wireless Charging               | Research    | TRL3  | Patent No.202441015086 A                                      |
|    |         | 20BEC4057 | INDDIRA A             |                       |                                                                                       |             |       |                                                               |
|    |         | 20BEC4112 | NAGESWARI R           |                       |                                                                                       |             |       |                                                               |
| 13 | Inhouse | 20BEC4065 | JOSHIKA P             | Dr.R.KALAIARASAN      | Cloud based IoT system for real time monitoring and controlling of water wastage      | Research    | TRL4  | Patent No.202441011530 A                                      |
|    |         | 20BEC4114 | NANDHINI R            |                       |                                                                                       |             |       |                                                               |
|    |         | 20BEC4098 | MADHUPRIYA R          |                       |                                                                                       |             |       |                                                               |
|    |         | 20BEC4063 | JAYAPRIYA S           |                       |                                                                                       |             |       |                                                               |
| 14 | Inhouse | 20BEC4096 | LOHESHKUMAR S         | Dr.A.SRIDEVI          | Dynamic Power Transfer for Moving Electric Vehicle Charging and Fault Detection Using | Research    | TRL3  | ISBN:979-8-3503-4922-1 DOI: 10.1109/AIMLA59606.2024.10531435  |
|    |         | 20BEC4109 | MUTHUPRAKASH A        |                       |                                                                                       |             |       |                                                               |
|    |         | 20BEC4076 | KAWASKAR R            |                       |                                                                                       |             |       |                                                               |
|    |         | 20BEC4084 | KRISHNARAJ D          |                       |                                                                                       |             |       |                                                               |
| 15 | Inhouse | 20BEC4068 | KAMALESH S            | Dr.R.KALAIARASAN      | Automated shopping with RFID enhanced smart technology                                | Society     | TRL2  | DOI: 10.1109/ICICV62344.2024.00137                            |
|    |         | 20BEC4080 | KISHOR L              |                       |                                                                                       |             |       |                                                               |
|    |         | 20BEC4110 | NACHIMUTHU J          |                       |                                                                                       |             |       |                                                               |
|    |         | 20BEC4064 | JEYASURYA T           |                       |                                                                                       |             |       |                                                               |
| 16 | Inhouse | 20BEC4102 | MEHA R                | Dr.P.SAKTHI           | SMART AGRICULTURAL SYSTEM FOR LEAF DISEASE DETECTION USING IOT                        | Society     | TRL3  | Patent No.202441016552 A                                      |
|    |         | 20BEC4088 | LAVANYA P             |                       |                                                                                       |             |       |                                                               |
|    |         | 20BEC4089 | LAVANYA S             |                       |                                                                                       |             |       |                                                               |
|    |         | 20BEC4067 | KALAIIVANI P          |                       |                                                                                       |             |       |                                                               |
| 17 | Inhouse | 20BEC4087 | LATHIKESH S           | Dr.K.SHEIKDAVOOD      | EXTRACTION OF ENERGY AND CARBON SEQUESTRATION THROUGH THE INCINERATION                | Research    | TRL 3 | Patent No.202441009086 A                                      |
|    |         | 20BEC4079 | KIRUBAKARAN R         |                       |                                                                                       |             |       |                                                               |
|    |         | 20BEC4086 | KUMARESAN D           |                       |                                                                                       |             |       |                                                               |
|    |         | 20BEC4091 | LOGANATH S            |                       |                                                                                       |             |       |                                                               |
| 18 | Inhouse | 20BEC4092 | LOGARAJ KMS           | Mr.K.SUDHAKAR         | EAF USING RFID                                                                        | Research    | TRL3  | Patent No.202441009919 A                                      |
|    |         | 20BEC4103 | MOHAMMED MUSTHAKKIM J |                       |                                                                                       |             |       |                                                               |
|    |         | 20BEC4104 | MOHAMMED ASHRAF       |                       |                                                                                       |             |       |                                                               |
| 19 | Inhouse | 20BEC4071 | KAVIN S               | Mrs.M.SENTAMILSELVI   | THE PATIENT HEALTH MONITORING SYSTEM FOR 24/7 SAFETY                                  | Application | TRL3  | Patent No.202441013222 A                                      |
|    |         | 20BEC4083 | KOWSIGAN R            |                       |                                                                                       |             |       |                                                               |
|    |         | 20BEC4111 | NAGARAJ E             |                       |                                                                                       |             |       |                                                               |
| 20 | Inhouse | 20BEC4135 | PRAVEEN A             | Mrs.N.Ramya           | COMPREHENSIVE FOOD RECOGNITION, FRESHNESS DETECTION AND                               | Application | TRL3  | Patent No.202441027698 A                                      |
|    |         | 20BEC4119 | NAVEEN M              |                       |                                                                                       |             |       |                                                               |
|    |         | 20BEC4138 | PRAVEEN P             |                       |                                                                                       |             |       |                                                               |
|    |         | 20BEC4122 | NIKIL K N             |                       |                                                                                       |             |       |                                                               |
| 21 | Inhouse | 20BEC4141 | PRAVIN NIXON S        | Mr.P.T.Sivagurunathan | Smart EV Charging stations management system                                          | Application | TRL3  | Patent No.202441016933 A                                      |
|    |         | 20BEC4146 | RANJITHKUMAR M        |                       |                                                                                       |             |       |                                                               |
|    |         | 20BEC4313 | SRISUNDHAR V B        |                       |                                                                                       |             |       |                                                               |
|    |         | 20BEC4301 | ASWIN KUMAR K         |                       |                                                                                       |             |       |                                                               |
| 22 | Inhouse | 20BEC4134 | PRASSHANTH D          | Dr.E.Dinesh           | AI-Based Road Defect Detection System Using IOT                                       | Society     | TRL3  | Patent No.202441015089 A                                      |
|    |         | 20BEC4143 | RAJA K                |                       |                                                                                       |             |       |                                                               |
|    |         | 20BEC4156 | SABAREESH R           |                       |                                                                                       |             |       |                                                               |
|    |         | 20BEC4162 | SAKTHIVEL K           |                       |                                                                                       |             |       |                                                               |
| 23 | UTHM    | 20BEC4116 | NANDHITHA S           | Mrs.S.Sivaranjani     | Mind Over Matter: Investigating the Interplay of Blood Glucose and Brain Metabolism   | Research    | TRL3  | ISBN:979-8-3503-6482-8 DOI: 10.1109/ADIC58448.2024.10533505   |
|    |         | 20BEC4125 | NITHYAPRABHA R        |                       |                                                                                       |             |       |                                                               |
|    |         | 20BEC4126 | NIVETHA S R           |                       |                                                                                       |             |       |                                                               |
|    |         | 20BEC4149 | RITHANYA P            |                       |                                                                                       |             |       |                                                               |
| 24 | Inhouse | 20BEC4124 | NITHYAASHREE J        | Dr.K.Sivanandam       | VLSI design of intellectual property design of advanced encryption standard           | Research    | TRL 3 | ISBN:979-8-3503-7691-3 DOI: 10.1109/ICSTEM61137.2024.10560766 |
|    |         | 20BEC4144 | RAKSHANA A S          |                       |                                                                                       |             |       |                                                               |
|    |         | 20BEC4164 | SANTHIYA S            |                       |                                                                                       |             |       |                                                               |
|    |         | 20BEC4152 | RITHIKA R K           |                       |                                                                                       |             |       |                                                               |
| 25 | UTHM    | 20BEC4150 | RITHICK R             | Mrs.S.Sivaranjani     | Analysing EEG Patterns as Predictors of Physiological Responses                       | Research    | TRL3  | ISBN:979-8-3503-6482-8 DOI: 10.1109/ADIC58448.2024.10533542   |
|    |         | 20BEC4166 | SANTHOSH M            |                       |                                                                                       |             |       |                                                               |
|    |         | 20BEC4167 | SANTHOSHKUMAR RP      |                       |                                                                                       |             |       |                                                               |
|    |         | 20BEC4303 | HALDO J               |                       |                                                                                       |             |       |                                                               |
| 26 | Inhouse | 20BEC4115 | NANDHINI S            | Mr.P.Ramakrishnan     | ASSISTANCE SYSTEM FOR VISUALLY IMPAIRED PEOPLE BY                                     | Research    | TRL 2 | Patent No.202441017464 A                                      |
|    |         | 20BEC4127 | POOVITHA R            |                       |                                                                                       |             |       |                                                               |
|    |         | 20BEC4155 | SABANA M              |                       |                                                                                       |             |       |                                                               |
| 27 | Inhouse | 20BEC4170 | SATHISH M             | Dr.V.Mariselvam       | COUPLING REDUCTION IN MIMO                                                            | Research    | TRL3  | Patent No.202441006175 A                                      |
|    |         | 20BEC4130 | PRADEEP P             |                       |                                                                                       |             |       |                                                               |

|    |         |           |                       |                    |                                                                                                    |             |       |                                                                 |
|----|---------|-----------|-----------------------|--------------------|----------------------------------------------------------------------------------------------------|-------------|-------|-----------------------------------------------------------------|
|    |         | 20BEC4160 | SACHIN D              |                    | ANTENNA USING                                                                                      |             |       |                                                                 |
| 28 | Inhouse | 20BEC4117 | NARMATHA S            | Mr.T.Siva Kumar    | Smart Channel Allocation in Cognitive networks using MIMO                                          | Research    | TRL 2 | ISBN:979-8-3503-8424-6 DOI: 10.1109/ISTEMS60181.2024.10560155   |
|    |         | 20BEC4147 | RESHMA T              |                    |                                                                                                    |             |       |                                                                 |
|    |         | 20BEC4163 | SANDHIYA R            |                    |                                                                                                    |             |       |                                                                 |
| 29 | Inhouse | 20BEC4121 | NAVYA R               | Dr.A.Maheshwari    | Electric Vehicle Battery Health Monitoring System                                                  | Research    | TRL 2 | ISBN:979-8-3503-6482-8 DOI: 10.1109/ADICSA58448.2024.10533514   |
|    |         | 20BEC4148 | REVATHY SHREE ELA     |                    |                                                                                                    |             |       |                                                                 |
|    |         | 20BEC4158 | SABARNA K             |                    |                                                                                                    |             |       |                                                                 |
| 30 | Inhouse | 20BEC4173 | SHANMUGAPRIYA K       | Dr.A.Kavitha       | Framework for detecting student behaviour using deep learning algorithm                            | Research    | TRL 2 | ISBN:979-8-3503-4922-1 DOI: 10.1109/AIMLA59606.2024.10531573    |
|    |         | 20BEC4197 | SWETHA L.G            |                    |                                                                                                    |             |       |                                                                 |
|    |         | 20BEC4209 | VARSANA J             |                    |                                                                                                    |             |       |                                                                 |
|    |         | 20BEC4210 | VARSHA N              |                    |                                                                                                    |             |       |                                                                 |
| 31 | Inhouse | 20BEC4178 | SINDHUJA B            | Dr.C.Nandagopal    | Anonymous user detection using Real time face recognition                                          | Research    | TRL 2 | Patent No.202441026152 A                                        |
|    |         | 20BEC4201 | THANYA K              |                    |                                                                                                    |             |       |                                                                 |
|    |         | 20BEC4211 | VARSHAYINI S          |                    |                                                                                                    |             |       |                                                                 |
|    |         | 20BEC4223 | YUVARANJANI J         |                    |                                                                                                    |             |       |                                                                 |
| 32 | Inhouse | 20BEC4175 | SHREE SUBHA M         | Mrs.P.Yuvarani     | AUTOMATIC RECOGNITION OF AMBULANCE SIREN BY TRAFFIC SIGNAL                                         | Application | TRL 3 | ISBN:979-8-3503-6509-2 DOI: 10.1109/ICONSTEM60960.2024.10568592 |
|    |         | 20BEC4186 | SUBASHRI V            |                    |                                                                                                    |             |       |                                                                 |
|    |         | 20BEC4196 | SUVETHA C             |                    |                                                                                                    |             |       |                                                                 |
|    |         | 20BEC4401 | LEENA G               |                    |                                                                                                    |             |       |                                                                 |
| 33 | Inhouse | 20BEC4182 | SRIDHAR T             | Dr.K.SHEIKDAVOOD   | SMART RESTROOM UNPLEASANT ODOUR DETECTION AND NOTIFICATION                                         | Research    | TRL 3 | Patent No.202441011034 A                                        |
|    |         | 20BEC4191 | SUKEENDHAR G          |                    |                                                                                                    |             |       |                                                                 |
|    |         | 20BEC4193 | SURESH KUMAR K.R      |                    |                                                                                                    |             |       |                                                                 |
|    |         | 20BEC4216 | VIGNESHWARAN S        |                    |                                                                                                    |             |       |                                                                 |
| 34 | Inhouse | 20BEC4188 | SUDHARSUN Y           | Mr.L.Ramesh        | Bike Raider Jacket: Health and Position Tracking System                                            | Research    | TRL3  | Patent No.202441012356 A                                        |
|    |         | 20BEC4204 | THINESH KUMAR G       |                    |                                                                                                    |             |       |                                                                 |
|    |         | 20BEC4219 | VINEETH S             |                    |                                                                                                    |             |       |                                                                 |
| 35 | Inhouse | 20BEC4206 | UTTITH NARENTHAAR S J | Mr.K.Sudhakar      | MILLIMETER-WAVE HIGH GAIN ENERGY HARVESTING USING 2x2                                              | Research    | TRL3  | Patent No.202441017075 A                                        |
|    |         | 20BEC4212 | VENKATESH I           |                    |                                                                                                    |             |       |                                                                 |
|    |         | 20BEC4214 | VIGNESH S             |                    |                                                                                                    |             |       |                                                                 |
| 36 | Inhouse | 20BEC4176 | SHRUDI SK             | Mrs.T.Balamani     | RURAL EMPOWERMENT THROUGH SMART LEARNING                                                           | Application | TRL3  | ISBN:979-8-3503-4922-1 DOI: 10.1109/AIMLA59606.2024.10531331    |
|    |         | 20BEC4179 | SOBIKA B              |                    |                                                                                                    |             |       |                                                                 |
|    |         | 20BEC4189 | SUJA S                |                    |                                                                                                    |             |       |                                                                 |
| 37 | Inhouse | 20BEC4171 | SATHISHKUMAR K        | Dr.K.Sivanandam    | Enhancing financial growth in agriculture through environmental based crop recommendation          | Application | TRL 3 | Patent No.202441018727 A                                        |
|    |         | 20BEC4202 | THARSAN NISOK R       |                    |                                                                                                    |             |       |                                                                 |
|    |         | 20BEC4221 | VINOTHKUMAR J         |                    |                                                                                                    |             |       |                                                                 |
|    |         | 20BEC4307 | MOKITH K              |                    |                                                                                                    |             |       |                                                                 |
| 38 | IDP     | 20BEC4051 | GUNANITHLR            | Dr.P.Sakthi        | Fall detection system for elderly care using heart beat sensor                                     | Application | TRL3  | Patent No.202441018728 A                                        |
|    |         | 20BEC4055 | HARISH S              |                    |                                                                                                    |             |       |                                                                 |
|    |         | 20BIT4002 | ABHISHEK T            |                    |                                                                                                    |             |       |                                                                 |
|    |         | 20BIT4007 | BALAJI S              |                    |                                                                                                    |             |       |                                                                 |
| 39 | IDP     | 20BEC4027 | CIBI C                | Mrs.P.Sanmugavalli | Vehicle BlackBox Model Integrated with IoT and Deep Learning to Save Lives                         | Society     | TRL3  | Patent No.202441018306 A                                        |
|    |         | 20BEC4032 | DHARANIKUMAR.K        |                    |                                                                                                    |             |       |                                                                 |
|    |         | 20BIT4017 | DHARNESH M            |                    |                                                                                                    |             |       |                                                                 |
|    |         | 20BIT4027 | GOKUL S               |                    |                                                                                                    |             |       |                                                                 |
| 40 | IDP     | 20BEC4048 | GOWTHAM.G             | Ms.S.Kavitha       | SMART METER FIRMWARE TO MONITOR AND CONTROL THE ELECTRICITY CONSUMPTION                            | Product     | TRL3  | Patent No.202441018729 A                                        |
|    |         | 20BEC4045 | GOWRI SANKAR G S      |                    |                                                                                                    |             |       |                                                                 |
|    |         | 20BIT4078 | SANTHEESH S           |                    |                                                                                                    |             |       |                                                                 |
|    |         | 20BIT4068 | PREMKUMAR P           |                    |                                                                                                    |             |       |                                                                 |
| 41 | IDP     | 20BEC4015 | BALAJI J              | Dr.A.Murugan       | Designing a Electric Vehicle Charging Station with Residential Plug-In Infrastructure Based on IoT | Product     | TRL3  | Patent No.202441024005 A                                        |
|    |         | 20BEC4005 | AKHILAAN K R          |                    |                                                                                                    |             |       |                                                                 |
|    |         | 20BEC4013 | ASWATH S              |                    |                                                                                                    |             |       |                                                                 |
|    |         | 20BCS4072 | PRAVIN M              |                    |                                                                                                    |             |       |                                                                 |
| 42 | IDP     | 20BEC4019 | BHARATH K             | Dr.S.Vimalnath     | Next Gen Wearable Tech                                                                             | Society     | TRL3  | Patent No.202441025342 A                                        |
|    |         | 20BCS4070 | NITHYA N              |                    |                                                                                                    |             |       |                                                                 |
|    |         | 20BCS4057 | MANJU                 |                    |                                                                                                    |             |       |                                                                 |
| 43 | IDP     | 20BEC4058 | V.JEGADHEESAN         | Mrs.T.Abirami      | Rover-enabled Crop Health Forecasting System using ML                                              | Society     | TRL3  | Patent No.202441016717 A                                        |
|    |         | 20BEC4105 | S.MOHANRAM            |                    |                                                                                                    |             |       |                                                                 |
|    |         | 20BIT4012 | BOSE M                |                    |                                                                                                    |             |       |                                                                 |



| Batch No. | Register No. | Batch Members    | Name of the Guide        | Title of the Paper                                                     | Is Patent / Journal / Conference | Type / Status | Name of the Conference / Patent no / Journal                                                                     | Name of the Publisher                                 |
|-----------|--------------|------------------|--------------------------|------------------------------------------------------------------------|----------------------------------|---------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
|           | 19BEC4037    | D.DHARSANYA      |                          | IDENTIFICATION WITH CUSTOMER ALERT NOTIFICATION                        |                                  |               |                                                                                                                  | 31/03/2023                                            |
| 8         | 19BEC4022    | M.BOOMIJA        | Mr.P.Ramakrishnan        | SMART ACTIVATING CULTIVATION WITH RENEWABLE ENERGY BY USING IOT        | Patent                           | Patent        | Application No:202341018323 A                                                                                    | The Patent Office Journal No.13/2023 Dated 31/03/2023 |
|           | 19BEC4030    | P.DHANA LAKSHMI  |                          |                                                                        |                                  |               |                                                                                                                  |                                                       |
|           | 19BEC4048    | R.DIVYA BHARATHI |                          |                                                                        |                                  |               |                                                                                                                  |                                                       |
|           | 19BEC4056    | K.GOHULAVARSINI  |                          |                                                                        |                                  |               |                                                                                                                  |                                                       |
| 9         | 19BEC4013    | R.ARUN           | Mrs.B.Neeththi Aadithiya | NOVEL QUAD-BAND DECAGON SHAPED PATCH ANTENNA FOR WIRELESS APPLICATIONS | Conference                       | IEEE          | Second International Conference on Electronics and Renewable Systems (ICEARS 2023)                               | IEEE XPLORE COMPLAINT ISBN:978-8-3503-4664-0          |
|           | 19BEC4016    | V.BALUSAMY       |                          |                                                                        |                                  |               |                                                                                                                  |                                                       |
|           | 19BEC4026    | R.DEEPAK         |                          |                                                                        |                                  |               |                                                                                                                  |                                                       |
| 10        | 19BEC4005    | K.ABINANDHAKUMAR | Mr.P.Ramakrishnan        | EYE BALL CONTROLLING WHEEL CHAIR                                       | Conference                       | Springer      | Second International Conference on Innovations in Clean Energy Technologies(ICET-2023) , 8-10 april 2023, Bhopal | Springer                                              |
|           | 19BEC4059    | P.GOKUL NISHANTH |                          |                                                                        |                                  |               |                                                                                                                  |                                                       |
|           | 19BEC4060    | R. GOKUL         |                          |                                                                        |                                  |               |                                                                                                                  |                                                       |

| Batch No. | Register No. | Batch Members           | Name of the Guide  | Title of the Paper                                                                                                   | Is Patent / Journal / Conference | Type / Status  | Name of the Conference / Patent no / Journal                                                                                                              | Name of the Publisher                                  |
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| 11        | 19BEC4002    | M.AARTHI                | Mrs.S.Sivaranjani  | SPECTRUM SENSING IN COGNITIVE RADIO NETWORKS USING COOPERATIVE SPECTRUM                                              | Conference                       | IEEE           | 2023 Second International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT 2023)                                | IEEE Advanced Technology for Humanity                  |
|           | 19BEC4007    | I.G.ABURVA SEMA         |                    |                                                                                                                      |                                  |                |                                                                                                                                                           |                                                        |
|           | 19BEC4009    | P.ANCHANAA              |                    |                                                                                                                      |                                  |                |                                                                                                                                                           |                                                        |
|           | 19BEC4053    | X.FEMINA PRIYADHARSHINI |                    |                                                                                                                      |                                  |                |                                                                                                                                                           |                                                        |
| 12        | 19BEC4045    | S.DINESH                | Ms.A.Maheshwari    | DESIGN OF HIGH SPEED MODIFIED FULL ADDER                                                                             | Conference                       | AIP CONFERENCE | 2nd International Conference on Smart Grid & Electric Vehicle (ICSGEV-2023), 3-4 april, hindustan institute of technology , chennai                       | AIP CONFERENCE                                         |
|           | 19BEC4046    | A.DINESHKUMAR           |                    |                                                                                                                      |                                  |                |                                                                                                                                                           |                                                        |
|           | 19BEC4058    | M.GOKUL                 |                    |                                                                                                                      |                                  |                |                                                                                                                                                           |                                                        |
| 13        | 19BEC4021    | A.BOOBALAN              | Dr.P.Jeyakumar     | A DEEP NEURAL NETWORK BASED FISH FLOATING DETECTION AND AQUACULTURE MONITORING SYSTEM                                | Patent                           | Patent         | Application No:202341018324 A                                                                                                                             | The Patent Office Journal No.13/2023 Dated 31/03/2023  |
|           | 19BEC4039    | G.DHINAKAR              |                    |                                                                                                                      |                                  |                |                                                                                                                                                           |                                                        |
|           | 19BEC4041    | B.DILIPAN               |                    |                                                                                                                      |                                  |                |                                                                                                                                                           |                                                        |
| 14        | 19BEC4019    | K.BHARANIDHARAN         | Dr.N.Senthil Kumar | TRUNCATED BOOTH MULTIPLIER DESIGN OF APPROXIMATE COMPRESSORS USING VERILOG HDL                                       | Conference                       | IEEE           | International Conference on Advanced Computing & Communication Systems(ICACCS 2023), 17-18 march 2023, sri eshwar engineering college                     | NO PROCEEDING                                          |
|           | 19BEC4050    | ELANCHANDHAR.PON        |                    |                                                                                                                      |                                  |                |                                                                                                                                                           |                                                        |
|           | 19BEC4008    | MAKASH KUMAR            |                    |                                                                                                                      |                                  |                |                                                                                                                                                           |                                                        |
| 15        | 19BEC4035    | A.DHARAN                | Dr.M.Dhamodharan   | REDUCE CAPACTIVE CROSSTALK IN VLSI INTERCONNECTS USING A NEW LOW POWER BUS CODING METHOD FOR COUPLING DRIVEN DEVICES | Conference                       | AIP CONFERENCE | 2nd International Conference on Smart Grid & Electric Vehicle (ICSGEV-2023 3-4 april, hindustan institute of technology , chennai)                        | AIP CONFERENCE                                         |
|           | 19BEC4057    | R.M.GOKHUL              |                    |                                                                                                                      |                                  |                |                                                                                                                                                           |                                                        |
|           | 19BEC4301    | R.RANJITH               |                    |                                                                                                                      |                                  |                |                                                                                                                                                           |                                                        |
| 16        | 19BEC4014    | B.ASHOK                 | Dr.A.Murugan       | AUTOMATIC CLASSIFICATION AND EARLIER DETECTION OF DIABETIC RETINOPATHY USING DEEP LEARNING                           | Conference                       | IEEE           | International Conference on Advanced Computing & Communication Systems(ICACCS 2023), 17-18 march 2023, sri eshwar engineering college                     | NO PROCEEDING                                          |
|           | 19BEC4033    | M.DHANUSH               |                    |                                                                                                                      |                                  |                |                                                                                                                                                           |                                                        |
|           | 19BEC4051    | S.ELANKATHIR            |                    |                                                                                                                      |                                  |                |                                                                                                                                                           |                                                        |
| 17        | 19BEC4001    | R.AAKASH                | Dr.C.Nandagopal    | ENERGY HAREVESTING WBANs USING MAC PROTOCOL                                                                          | Patent                           | Patent         | Application No:202341023253 A                                                                                                                             | The Patent Office Journal No.14/2023 Dated 07/04/2023  |
|           | 19BEC4023    | V.DEEBIN                |                    |                                                                                                                      |                                  |                |                                                                                                                                                           |                                                        |
|           | 19BEC4027    | S.DEEPAK                |                    |                                                                                                                      |                                  |                |                                                                                                                                                           |                                                        |
| 18        | 19BEC4015    | J.ATHAVAN               | Dr.R.Kalairasan    | SECURED AND STRUCTURED DATA STORING AND RETRIEVAL IN CLOUD COMPUTING BY USING TPA                                    | Conference                       | IEEE           | 2nd International Conference on Sustainable computing and data communication systems(ICSCDS 2023)                                                         | IEEE XPLORE COMPLAINT ISBN:978-1-6654-9199-0           |
|           | 19BEC4049    | P.ELAMBHARATHI          |                    |                                                                                                                      |                                  |                |                                                                                                                                                           |                                                        |
|           | 19BEC4061    | P.GOPALAKRISHNAN        |                    |                                                                                                                      |                                  |                |                                                                                                                                                           |                                                        |
| 19        | 19BEC4017    | P.BHARANI               | Mrs.P.Yuvarani     | TIME SERIES FORECASTING OF ETHEREUM PRICE BY FB-PROPHET                                                              | Conference                       | IEEE           | 4th International Conference on Signal Processing and Communication (ICSPC'23), 23-24 march 2023, Karunya institute of technology and science, coimbatore | IEEE Technically sponsored                             |
|           | 19BEC4038    | B.DHARUN                |                    |                                                                                                                      |                                  |                |                                                                                                                                                           |                                                        |
|           | 19BEC4044    | P.DINESH                |                    |                                                                                                                      |                                  |                |                                                                                                                                                           |                                                        |
| 20        | 19BEC4114    | MANIVEL R               | Mr.K.KAARTHIK      | SMART GARBAGE MONITORING SYSTEM                                                                                      | Patent                           | Patent         | 202341019165 A                                                                                                                                            | The Patent office Journal No.13/2023, Dated 31.03.2023 |
|           | 19BEC4088    | KAMESH C                |                    |                                                                                                                      |                                  |                |                                                                                                                                                           |                                                        |
|           | 19BEC4113    | MANIKANDAN P            |                    |                                                                                                                      |                                  |                |                                                                                                                                                           |                                                        |
|           | 19BEC4119    | MOHAN P                 |                    |                                                                                                                      |                                  |                |                                                                                                                                                           |                                                        |
| 21        | 19BEC4064    | GUKAN V                 | Ms.A.MAHESHWARI    | MODULAR ADDER DESIGN BASED ON REVERSIBLE TOFFOLI CLA                                                                 | Conference                       | IEEE           | 7th International Conference on Computing Methodologies and Communication (ICCMC 2023)                                                                    | IEEE XPLORE COMPLIANT ISBN: 978-1-6654-6408-6          |
|           | 19BEC4083    | JEEVA ANANDH R          |                    |                                                                                                                      |                                  |                |                                                                                                                                                           |                                                        |
|           | 19BEC4106    | KUMAR A                 |                    |                                                                                                                      |                                  |                |                                                                                                                                                           |                                                        |
| 22        | 19BEC4070    | HARIPRIYAN S            | Mr.S.ARUN PRATHAP  | THUNDERBOLT SINGLE PORT PERIPHERAL REFERENCE DESIGN USING ALTIUM                                                     | Conference                       | IEEE           | Second International Conference on Electronics and Renewable Systems (ICEARS 2023)                                                                        | IEEE XPLORE COMPLIANT ISBN: 979-8-3503-4664-0          |
|           | 19BEC4093    | KAVIMANI.P              |                    |                                                                                                                      |                                  |                |                                                                                                                                                           |                                                        |
|           | 19BEC4112    | MAIGOKUL P              |                    |                                                                                                                      |                                  |                |                                                                                                                                                           |                                                        |

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| 23        | 19BEC4065    | GUNA BHARATHI J         | Mr.T.SIVAKUMAR        | BRAIN TUMOR SEGMENTATION WITH INCEPTION V3 NETWORK MODEL USING TRANSFER LEARNING                       | Conference                       | IEEE          | International Conference on Advanced Computing & Communication Systems (ICACCS 2023), 17-18 march 2023, sri eshwar engineering college | NO PROCEEDING                                          |
|           | 19BEC4099    | KAVIYANANDH K           |                       |                                                                                                        |                                  |               |                                                                                                                                        |                                                        |
|           | 19BEC4110    | LOHANANDD R             |                       |                                                                                                        |                                  |               |                                                                                                                                        |                                                        |
| 24        | 19BEC4066    | HARIPRASATH R M         | Mr.P.T.SIVAGURUNATHAN | ALERTS AND A DIGITAL LIBRARY BASED ON RFID                                                             | Conference                       | IEEE          | International Conference on Advanced Computing & Communication Systems (ICACCS 2023), 17-18 march 2023, sri eshwar engineering college | NO PROCEEDING                                          |
|           | 19BEC4096    | KAVINRAJ S              |                       |                                                                                                        |                                  |               |                                                                                                                                        |                                                        |
|           | 19BEC4115    | MANOJ KUMAR J           |                       |                                                                                                        |                                  |               |                                                                                                                                        |                                                        |
| 25        | 19BEC4103    | KISHORE KUMAR M         | Mrs.S.JOTHIMANI       | VLSI DESIGN OF MAJORITY LOGIC BASED WALLACE TREE MULTIPLIER                                            | Conference                       | IEEE          | 7th International Conference on Computing Methodologies and Communication (ICCMC 2023)                                                 | IEEE XPLORE COMPLIANT ISBN: 978-1-6654-6408-6          |
|           | 19BEC4121    | MUGUNTHAN M             |                       |                                                                                                        |                                  |               |                                                                                                                                        |                                                        |
|           | 19BEC4071    | HARISH KRITHIK ROSHAN S |                       |                                                                                                        |                                  |               |                                                                                                                                        |                                                        |
| 26        | 19BEC4069    | HARIKARAN S             | Dr.S.VIMALNATH        | DESIGN OF RANDOM NUMBER SEQUENCE GENERATOR USING MULTI-STAGE FEEDBACK WITH MULTI-STAGE RING OSCILLATOR | Conference                       | IEEE          | 7th International Conference on Computing Methodologies and Communication (ICCMC 2023)                                                 | IEEE XPLORE COMPLIANT ISBN: 978-1-6654-6408-6          |
|           | 19BEC4067    | HARIHARAN P             |                       |                                                                                                        |                                  |               |                                                                                                                                        |                                                        |
|           | 19BEC4068    | HARIHARAN R             |                       |                                                                                                        |                                  |               |                                                                                                                                        |                                                        |
| 27        | 19BEC4108    | LAKSHMIPRIYA .P         | Mr.M.G.RAJENDRA KUMAR | ADVANCED SOLAR BASED E-VEHICLES WIRELESS CHARGING INTELLIGENCE SENSOR                                  | Patent                           | Patent        | 202341019535 A                                                                                                                         | The Patent office Journal No. 13/2023 Dated 31.03.2023 |
|           | 19BEC4082    | JAYASWETHA P            |                       |                                                                                                        |                                  |               |                                                                                                                                        |                                                        |
|           | 19BEC4087    | KAMALI V                |                       |                                                                                                        |                                  |               |                                                                                                                                        |                                                        |
| 28        | 19BEC4104    | KRIPANANDHINI T         | Mr.K.KAARTHIK         | A NOVEL APPROACH ON IOT BASED WASTE WATER MANAGEMENT SYSTEM IN INDUSTRIES                              | Conference                       | IEEE          | Second International Conference on Electronics and Renewable Systems (ICEARS 2023)                                                     | IEEE XPLORE COMPLIANT ISBN: 979-8-3503-4664-0          |
|           | 19BEC4090    | KARTHIKA M              |                       |                                                                                                        |                                  |               |                                                                                                                                        |                                                        |
|           | 19BEC4073    | HARSHINI S              |                       |                                                                                                        |                                  |               |                                                                                                                                        |                                                        |
| 29        | 19BEC4075    | IMRAN NAZIR S           | Dr.E.DINESH           | DESIGN AND DEVELOPMENT OF AN E-HEALTHCARE RECORDS MANAGEMENT SYSTEM USING BLOCK CHAIN ALGORITHM        | Conference                       | IEEE          | Second International Conference on Electronics and Renewable Systems (ICEARS 2023)                                                     | IEEE XPLORE COMPLIANT ISBN: 979-8-3503-4664-0          |
|           | 19BEC4094    | KAVIN KUMAR A           |                       |                                                                                                        |                                  |               |                                                                                                                                        |                                                        |
|           | 19BEC4076    | INDRAJITH C R           |                       |                                                                                                        |                                  |               |                                                                                                                                        |                                                        |
| 30        | 19BEC4120    | MOHANRAJ T R            | Dr.S.SUBHA SELVI      | RFID BASED AUTOMATIC CAR PARKING SYSTEM USING IOT                                                      | Conference                       | IEEE          | 9th International Conference on Electrical Energy Systems (ICEES 2023)                                                                 | IEEE XPLORE COMPLIANT ISBN: 979-8-3503-4803-3          |
|           | 19BEC4122    | MUHIN V                 |                       |                                                                                                        |                                  |               |                                                                                                                                        |                                                        |
|           | 19BEC4102    | KESAVA SAI RAAM C N     |                       |                                                                                                        |                                  |               |                                                                                                                                        |                                                        |
| 31        | 19BEC4111    | MADHUBALA P             | Mrs.P.YUVARANI        | ANALYSIS OF LUNGS CT IMAGE USING DEEP LEARNING TECHNIQUES                                              | Conference                       | IEEE          | International Conference on Advanced Computing & Communication Systems (ICACCS 2023), 17-18 march 2023, sri eshwar engineering college | NO PROCEEDING                                          |
|           | 19BEC4098    | KAVIYA SRI S            |                       |                                                                                                        |                                  |               |                                                                                                                                        |                                                        |
|           | 19BEC4074    | HEMALATHA S             |                       |                                                                                                        |                                  |               |                                                                                                                                        |                                                        |
| 32        | 19BEC4092    | KAVI BHARATH S N        | Dr.K.SIVANANDHAM      | LOW POWER DESIGN OF EDGE DETECTOR USING STATIC SEGMENTED APPROXIMATE MULTIPLIERS                       | Conference                       | IEEE          | 7th International Conference on Computing Methodologies and Communication (ICCMC 2023)                                                 | IEEE XPLORE COMPLIANT ISBN: 978-1-6654-6408-6          |
|           | 19BEC4077    | JAGADHEESH.R            |                       |                                                                                                        |                                  |               |                                                                                                                                        |                                                        |
|           | 19BEC4117    | MANOJ S                 |                       |                                                                                                        |                                  |               |                                                                                                                                        |                                                        |
| 33        | 19BEC4091    | KARUPPANNAN R M         | Dr.R.RAJESHKANNA      | A ULTRAWIDEBAND ANTENNA WITH OMNIDIRECTIONAL RADIATION FOR WIMAX APPLICATIONS                          | Patent                           | Patent        | 202321016742 A                                                                                                                         | The Patent office Journal No. 13/2023 Dated 31.03.2023 |
|           | 19BEC4078    | JANAGAR S               |                       |                                                                                                        |                                  |               |                                                                                                                                        |                                                        |
|           | 19BEC4063    | GOWTHAMAN M             |                       |                                                                                                        |                                  |               |                                                                                                                                        |                                                        |

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| 34        | 19BEC4085    | JEYA KRISHNAN B   | Dr.G.SHANMUGAVADIVEL  | LANDSLIDE MONITORING TECHNIQUES WITH IOT INTEGRATION                                          | Patent                           | Patent        | 202321017943 A                                                                                                                             | The Patent office Journal No. 13/2023 Dated 31.03.2023 |
|           | 19BEC4116    | MANOJ KUMAR R     |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4089    | KARTHICK M        |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
| 35        | 19BEC4151    | PRAVEEN N         | Dr.K.Karthikeyan      | SUBMARINE COMMUNICATION FOR MONITORING DIVER'S HEALTH USING LI-FI                             | Conference                       | IEEE          | 7th International Conference on Computing Methodologies and Communication (ICCMC 2023)                                                     | IEEE XPLORE COMPLIANT ISBN: 978-1-6654-6408-6          |
|           | 19BEC4160    | RAJESH N          |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4162    | RAM SRINIVAS C    |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4170    | SANJAY G          |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
| 36        | 19BEC4139    | OVIYA S           | Mrs.M.Sentamilselvi   | AN EFFICIENT ENERGY MANAGEMENT AND THEFT ALERT SYSTEM USING IOT ENABLED SMART METER           | Conference                       | IEEE          | 9th International Conference on Advanced Computing and Communication Systems ICACCS 2023, 17-18 march 2023, sri eshwar engineering college | IEEE XPLORE                                            |
|           | 19BEC4146    | PRADEEPA T        |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4152    | PREETHI SHRE A    |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
| 37        | 19BEC4123    | MYTHEESH C        | Ms.S.Subaselvi        | VLSI IMPLEMENTATION OF THE TRIPLE -DES BLOCK CIPHER                                           | Conference                       | IEEE          | 7th International Conference on Computing Methodologies and Communication (ICCMC 2023)                                                     | IEEE XPLORE COMPLIANT ISBN: 978-1-6654-6408-6          |
|           | 19BEC4140    | PARITHI MALAVAN G |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4158    | RAGUNATH S D      |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4172    | SANJAY R          |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
| 38        | 19BEC4136    | NITHISHKUMAR S    | Mr.P.T.Sivagurunathan | WEB APPLICATION -BASED DIABETES PREDICTION USING MACHINE LEARNING                             | Conference                       | IEEE          | 7th International Conference on Computing Methodologies and Communication (ICCMC 2023)                                                     | IEEE XPLORE COMPLIANT ISBN: 978-1-6654-6408-6          |
|           | 19BEC4156    | RAGHURAJ S        |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4166    | ROAHIT S          |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
| 39        | 19BEC4126    | NARMADHA A        | Mrs.S.Jothimani       | DESIGN OF VARIOUS MODULATION SCHEMES USING DDS                                                | Conference                       | IEEE          | 7th International Conference on Computing Methodologies and Communication (ICCMC 2023)                                                     | IEEE XPLORE COMPLIANT ISBN: 978-1-6654-6408-6          |
|           | 19BEC4173    | SANTHIYA C        |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4302    | SHANMUGA PRIYA S  |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
| 40        | 19BEC4161    | RAJESHKUMAR A     | Mrs.T.Abirami         | FPGA BASED OPTIMIZED DESIGN OF MONTGOMERY MODULAR MULTIPLIER USING KARATSUBA ALGORITHM        | Conference                       | IEEE          | Second International Conference on Electronics and Renewable Systems (ICEARS 2023)                                                         | IEEE XPLORE COMPLIANT ISBN: 979-8-3503-4664-0          |
|           | 19BEC4176    | SANTHOSH K M      |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4181    | SARAVANAN S       |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
| 41        | 19BEC4130    | NAVEEN B          | Dr.K.Sivanantham      | AN EFFICIENT MACHINE LEARNING APPROCHES FOR CROP RECOMMENDATION BASED ON SOIL CHARACTERISTICS | Conference                       | IEEE          | Second International Conference on Electronics and Renewable Systems (ICEARS 2023)                                                         | IEEE XPLORE COMPLIANT ISBN: 979-8-3503-4664-0          |
|           | 19BEC4149    | PRASANTH M        |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4179    | SARAN S           |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
| 42        | 19BEC4125    | NANDHINI N        | Mr.L.Ramesh           | DESIGN AND DEVELOPMENT OF AN IOT BASED SMART POULTRY FARM                                     | Patent                           | Patent        | 202321017109 A                                                                                                                             | The Patent office Journal No. 13/2023 Dated 31.03.2023 |
|           | 19BEC4127    | NARMADHA B        |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4163    | RANJANI S         |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4182    | SARUMATHI T       |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
| 43        | 19BEC4133    | NAVEENRAJ K       | Mr.T.Sivakumar        | VLSI DESIGN OF PIPE LINED FFT ARCHITECTURE FOR DSP APPLICATION                                | Conference                       | IEEE          | 7th International Conference on Computing Methodologies and Communication (ICCMC 2023)                                                     | IEEE XPLORE COMPLIANT ISBN: 978-1-6654-6408-6          |
|           | 19BEC4159    | RAGUPATHI R       |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4164    | RAVI PRASATH S    |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
| 44        | 19BEC4131    | NAVEEN K          | Dr.S.Vimalnath        | A REMOTE MONITORING GREENHOUSE AGRICULTURAL FARMING WITH EDGE COMPUTING SYSTEM                | Conference                       | IEEE          | 9th International Conference on Advanced Computing and Communication Systems ICACCS 2023, 17-18 march 2023, sri eshwar engineering college | IEEE XPLORE                                            |
|           | 19BEC4177    | SANTHOSH KUMAR K  |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4180    | SARAVANA KUMAR D  |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
| 45        | 19BEC4129    | NAVANEETHA M      | Dr.S.Jegadeesan       | BLOCKCHAN BASED LIGHTWEIGHT AND SECURE DATA AGGREGATION SCHEME FOR SMART FARMING              | Conference                       | IEEE          | 2nd International Conference on Sustainable Computing and Data Communication Systems (ICSCDS-2023)                                         | IEEE XPLORE COMPLIANT ISBN: 978-1-6654-9199-0          |
|           | 19BEC4142    | PAVITHRA S        |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4145    | POOVIZHI P        |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4174    | SANTHIYA P        |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
| 46        | 19BEC4155    | RAGHUL V          | Dr.K.Rajeshkanna      | A 2.4GHZ ENERGY-EFFICIENT TRANSMITTER FOR WIRELESS MEDICAL APPLICATIONS                       | Patent                           | Patent        | 202321017110 A                                                                                                                             | The Patent office Journal No. 13/2023 Dated 31.03.2023 |
|           | 19BEC4167    | ROHITH.K          |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4171    | SANJAY G          |                       |                                                                                               |                                  |               |                                                                                                                                            |                                                        |

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|-----------|--------------|--------------------|----------------------|---------------------------------------------------------------------------------------------------------|----------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| 47        | 19BEC4144    | POOVITHA K         | Dr.E.Dinesh          | A REAL TIME SYSTEM TO ANALYZE PATIENT'S HEALTH CONDITION USING SECOND LAYER COMPUTING                   | Conference                       | IEEE          | 7th International Conference on Computing Methodologies and Communication (ICCMC 2023)                                                     | IEEE XPLORE COMPLIANT ISBN: 978-1-6654-6408-6          |
|           | 19BEC4148    | PRANIKAA V         |                      |                                                                                                         |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4168    | ROSINI M           |                      |                                                                                                         |                                  |               |                                                                                                                                            |                                                        |
| 48        | 19BEC4134    | NIRANJAN. B        | Dr.A.Murugan         | FLOATING POINT PIPELINED MAC DESIGN FOR SATELLITE APPLICATION                                           | Patent                           | Patent        | 202321017107 A                                                                                                                             | The Patent office Journal No. 13/2023 Dated 31.03.2023 |
|           | 19BEC4135    | NITHISH KUMAR P    |                      |                                                                                                         |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4141    | PARTHIBAN R        |                      |                                                                                                         |                                  |               |                                                                                                                                            |                                                        |
| 49        | 19BEC4143    | POOJA SHREE P S    | Mr.L.Ramesh          | ALZHEIMERS DISEASE(AD) DIAGNOSIS FROM BRAIN MRI IMAGE USING NEURAL NETWORK ALGORITHM                    | Conference                       | IEEE          | 7th International Conference on Computing Methodologies and Communication (ICCMC 2023)                                                     | IEEE XPLORE COMPLIANT ISBN: 978-1-6654-6408-6          |
|           | 19BEC4154    | RAASIKA S          |                      |                                                                                                         |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4165    | RITHIKASHREE B     |                      |                                                                                                         |                                  |               |                                                                                                                                            |                                                        |
| 50        | 19BEC4132    | NAVEEN.S           | Dr.P.Jeyakumar       | PULSED LOW FREQUENCY THERAPY DEVICE                                                                     | Patent                           | Patent        | 202321017108 A                                                                                                                             | The Patent office Journal No. 13/2023 Dated 31.03.2023 |
|           | 19BEC4157    | RAGULAN R          |                      |                                                                                                         |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4178    | SANTHOSH S         |                      |                                                                                                         |                                  |               |                                                                                                                                            |                                                        |
| 51        | 19BEC4124    | NAGAHARI PRIYA S K | Mr.S.Meivel          | MALWARE DETECTION USING XILINX SOFTWARE AND ADAPTIVE TEST PATTERN                                       | Conference                       | IEEE          | 9th International Conference on Advanced Computing and Communication Systems ICACCS 2023, 17-18 march 2023, sri eshwar engineering college | IEEE XPLORE                                            |
|           | 19BEC4153    | PRIYANKADEVI P     |                      |                                                                                                         |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4169    | SANGAVI S          |                      |                                                                                                         |                                  |               |                                                                                                                                            |                                                        |
| 52        | 19BEC4137    | NIVEDHITHAA S A    | Mrs.P.Sakthi         | SMART WATER METER USING IOT                                                                             | Conference                       | IEEE          | 9th International Conference on Advanced Computing and Communication Systems ICACCS 2023, 17-18 march 2023, sri eshwar engineering college | IEEE XPLORE                                            |
|           | 19BEC4138    | NIVETHIKAA A       |                      |                                                                                                         |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4150    | PRATHIKSHA M       |                      |                                                                                                         |                                  |               |                                                                                                                                            |                                                        |
| 53        | 19BEC4210    | SUGUMAR S          | Dr.P.JEYAKUMAR       | WIDE BAND DUAL POLARIZED ANTENNA ARRAY FOR 5G MASSIVE MIMO SYSTEMS                                      | Patent                           | Patent        | 202341015362 A                                                                                                                             | The Patent office Journal No 11/2023 Dated 17.03.2023  |
|           | 19BEC4214    | SURIYA R           |                      |                                                                                                         |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4240    | YOGANATHAN M       |                      |                                                                                                         |                                  |               |                                                                                                                                            |                                                        |
| 54        | 19BEC4189    | SATHYAGEETHA S     | Ms.K.DHARANIPRIYA    | SMART CROP PROTECTION SYSTEM FROM ANIMALS USING AI                                                      | Conference                       | IEEE          | 9TH International Conference on Biosignals, Images and Instrumentation (ICBSII 2023)                                                       | ISBN:979-8-3503-3816-4                                 |
|           | 19BEC4205    | SRINIDHI J         |                      |                                                                                                         |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4200    | SOWMIA K S         |                      |                                                                                                         |                                  |               |                                                                                                                                            |                                                        |
| 55        | 19BEC4195    | SINDUJA G          | Ms.S.KAVITHA         | AN EFFICIENT FPGA IMPLEMENTATION OF THE MULTIPLIER-LESS LMS ADAPTIVE FILTER                             | Conference                       | IEEE          | 7th International Conference on Computing Methodologies and Communication (ICCMC 2023)                                                     | IEEE XPLORE COMPLIANT ISBN: 978-1-6654-6408-6          |
|           | 19BEC4204    | SRIMATHI M         |                      |                                                                                                         |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4239    | YOGALAKSHMI K      |                      |                                                                                                         |                                  |               |                                                                                                                                            |                                                        |
| 56        | 19BEC4183    | SASIKUMAR S        | Dr.N.SENTHILKUMAR    | HIGH SECURITY AND LOW POWER AES CRYPTO PROCESSOR SECURITY ALGORITHM FOR IMAGE ENCRYPTION                | Conference                       | IEEE          | 2nd International Conference on Sustainable Computing and Data Communication Systems (ICSCDS-2023)                                         | IEEE XPLORE COMPLIANT ISBN: 978-1-6654-9199-0          |
|           | 19BEC4184    | SATHEESH S         |                      |                                                                                                         |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4187    | SATHISH A          |                      |                                                                                                         |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4203    | SRIDHAR P          |                      |                                                                                                         |                                  |               |                                                                                                                                            |                                                        |
| 57        | 19BEC4196    | SNEHA A            | Mr.K.SHEIKDAVOOD     | EARLY DIAGNOSIS AND DETECTION OF VASCULAR DEMENTIA BASED ON MOBILE V NET FRAMEWORK USING DCNN           | Conference                       | IEEE          | International Conference on Advanced Computing & Communication Systems (ICACCS 2023), 17-18 march 2023, sri eshwar engineering college     | NO PROCEEDING                                          |
|           | 19BEC4201    | SOWMYA B           |                      |                                                                                                         |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4202    | SOWMYA S           |                      |                                                                                                         |                                  |               |                                                                                                                                            |                                                        |
| 58        | 19BEC4221    | THAMILVANAN M      | Mrs.S.SIVARANJANI    | DETECTION OF DEGRADATION IN INFRASTRUCTURE USING IOT                                                    | Conference                       | IEEE          | 2nd International Conference on Sustainable Computing and Data Communication Systems (ICSCDS-2023)                                         | IEEE XPLORE COMPLIANT ISBN: 978-1-6654-9199-0          |
|           | 19BEC4224    | THARNEES M K       |                      |                                                                                                         |                                  |               |                                                                                                                                            |                                                        |
|           | 19BEC4229    | VASANTHARAJ K      |                      |                                                                                                         |                                  |               |                                                                                                                                            |                                                        |
| 59        | 19BEC4206    | SRIPATHI R         | Dr.S.PALANIVEL RAJAN | BODY AREA WIRELESS SENSOR NETWORK COMMUNICATION WITH HIGH DATA RATE USING DEFECTED GROUND PLANE ANTENNA | Conference                       | IEEE          | 7th International Conference on Computing Methodologies and Communication (ICCMC 2023)                                                     | IEEE XPLORE COMPLIANT ISBN: 978-1-6654-6408-6          |
|           | 19BEC4217    | SURYARAJ D R       |                      |                                                                                                         |                                  | IEEE          |                                                                                                                                            |                                                        |
|           | 19BEC4225    | THIRUMAL G         |                      |                                                                                                         |                                  |               |                                                                                                                                            |                                                        |

| Batch No. | Register No. | Batch Members     | Name of the Guide       | Title of the Paper                                                                                   | Is Patent / Journal / Conference | Type / Status | Name of the Conference / Patent no / Journal                                                                                              | Name of the Publisher                                        |
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| 60        | 19BEC4186    | SATHESH KUMAR S   | Dr.A.KAVITHA            | DESIGN OF SAFETY BED: A NEOTERIC TECHNOLOGY BASED OLD AGE PEOPLE FALL DETECTION USING NEURAL NETWORK | Patent                           | Patent        | 202341015769 A                                                                                                                            | The Patent office Journal<br>No 11/2023 Dated<br>17.03.2023  |
|           | 19BEC4213    | SURESH K          |                         |                                                                                                      |                                  | Patent        |                                                                                                                                           |                                                              |
|           | 19BEC4231    | VIGNESH M         |                         |                                                                                                      |                                  |               |                                                                                                                                           |                                                              |
|           | 19BEC4303    | SRI BHALAJI T     |                         |                                                                                                      |                                  |               |                                                                                                                                           |                                                              |
| 61        | 19BEC4193    | SHINEKA K S       | Mrs.B.NEETHTHI AADITHYA | COMPACT OCTAGONAL QUAD BAND ANTENNA FOR UWB APPLICATION                                              | Conference                       | IEEE          | International Conference on Innovative Data Communication<br>7th International Conference on Computing Methodologies and                  | ISBN: 979-8-3503-9720-8                                      |
|           | 19BEC4226    | VANTHANA M        |                         |                                                                                                      |                                  | IEEE          |                                                                                                                                           |                                                              |
|           | 19BEC4233    | VIJYAHLAKSHMI S   |                         |                                                                                                      |                                  |               |                                                                                                                                           |                                                              |
| 62        | 19BEC4215    | SURYA T           | Dr.V.MARISELVAM         | DESIGN OF LOW POWER AND HIGH SPEED MULTIWAY MERGE SORTING NETWORK FOR MEDIAN FILTER                  | Conference                       | IEEE          | 2023 9TH International Conference on Biosignals, Images and Instrumentation(ICBSII 2023)                                                  | ISBN:979-8-3503-3816-4                                       |
|           | 19BEC4234    | VISHAL S R        |                         |                                                                                                      |                                  | IEEE          |                                                                                                                                           |                                                              |
|           | 19BEC4235    | VISHNU RAM S      |                         |                                                                                                      |                                  |               |                                                                                                                                           |                                                              |
| 63        | 19BEC4208    | SRIRAM S          | Mr.M.G.RAJENDRAKUMAR    | FIRE DETECTION AND ALERTING SYSTEM IN TRAIN USING GSM                                                | Patent                           | Patent        | 202341017569 A                                                                                                                            | The Patent office Journal<br>No. 13/2023 Dated<br>31.03.2023 |
|           | 19BEC4216    | SURYAA S A        |                         |                                                                                                      |                                  |               |                                                                                                                                           |                                                              |
|           | 19BEC4241    | YOGAPRAKASH K     |                         |                                                                                                      |                                  |               |                                                                                                                                           |                                                              |
| 64        | 19BEC4194    | SHUBIKSHA P       | Mrs.T.ABIRAMI           | IOT BASED HEALTH MONITORING SYSTEM FOR AUTISM SPECTRAL DISORDER                                      | Patent                           | Patent        | 202341017941 A                                                                                                                            | The Patent office Journal<br>No. 13/2023 Dated<br>31.03.2023 |
|           | 19BEC4209    | SUBHIKSHA B       |                         |                                                                                                      |                                  |               |                                                                                                                                           |                                                              |
|           | 19BEC4232    | VIJAYALAKSHMI S   |                         |                                                                                                      |                                  |               |                                                                                                                                           |                                                              |
| 65        | 19BEC4197    | SNEHA B           | Dr.C.NANDAGOPAL         | BRAINWAVE SENSOR BASED SMART HOME CONTROLLER FOR PARALYSED PEOPLE                                    | Conference                       | IEEE          | 2nd International Conference on Sustainable Computing and Data Communication Systems (ICSDS-2023)                                         | IEEE XPLORE<br>COMPLIANT ISBN: 978-1-6654-9199-0             |
|           | 19BEC4207    | SRIRAGAVI R       |                         |                                                                                                      |                                  |               |                                                                                                                                           |                                                              |
|           | 19BEC4230    | VEERADHARSHINI R  |                         |                                                                                                      |                                  |               |                                                                                                                                           |                                                              |
| 66        | 19BEC4199    | SOUNDAR K         | Mr.K.SHEIKDAVOOD        | SMART HEALTH MONITORING SYSTEM FOR COMA PATIENTS USING IoT                                           | Conference                       | IEEE          | 7th International Conference on Computing Methodologies and Communication (ICCMC 2023)                                                    | IEEE XPLORE<br>COMPLIANT ISBN: 978-1-6654-6408-6             |
|           | 19BEC4220    | TARUNKUMAR P      |                         |                                                                                                      |                                  |               |                                                                                                                                           |                                                              |
|           | 19BEC4238    | YASWANTH M G      |                         |                                                                                                      |                                  |               |                                                                                                                                           |                                                              |
| 67        | 19BEC4219    | TAMILMATHI V M    | Mr.K.SHEIKDAVOOD        | URBAN SUBWAY FLOOD WATER MANAGEMENT SYSTEM                                                           | Patent                           | Patent        | 202341017569 A                                                                                                                            | The Patent office Journal<br>No. 13/2023 Dated<br>31.03.2023 |
|           | 19BEC4223    | THARANITHARAN S   |                         |                                                                                                      |                                  |               |                                                                                                                                           |                                                              |
|           | 19BEC4228    | VARUN PRASAD T    |                         |                                                                                                      |                                  |               |                                                                                                                                           |                                                              |
| 68        | 19BEC4212    | SUNDAR G          | Dr.S.MEIVEL             | SMART COMMUNICATON SYSTEM FOR HUMAN LIFE SAFETY                                                      | Conference                       | IEEE          | 7th International Conference on Computing Methodologies and Communication (ICCMC 2023)                                                    | IEEE XPLORE<br>COMPLIANT ISBN: 978-1-6654-6408-6             |
|           | 19BEC4237    | YASWANTH K M      |                         |                                                                                                      |                                  |               |                                                                                                                                           |                                                              |
|           | 19BEC4242    | YOGESHWARAN S     |                         |                                                                                                      |                                  | Patent        |                                                                                                                                           |                                                              |
| 69        | 19BEC4185    | SATHEESHKUMAR N   | Mrs.P.SAKTHI            | REAL TIME SOLDER TRACKING AND HEALTH MONITORING SYSTEM USING IOT                                     | Conference                       | IEEE          | Second International Conference on Electronics and Renewable Systems (ICEARS 2023)                                                        | IEEE XPLORE<br>COMPLIANT ISBN: 979-8-3503-4664-0             |
|           | 19BEC4188    | SATHISHKUMAR S B  |                         |                                                                                                      |                                  |               |                                                                                                                                           |                                                              |
|           | 19BEC4236    | VISHNURAM T       |                         |                                                                                                      |                                  |               |                                                                                                                                           |                                                              |
| 70        | 19BEC4191    | SHANKAR PIRAJIN S | Mr.K.SUDHAKAR           | DESIGN AND IMPLEMENTATION OF FPGA BASED RESCUE BOT                                                   | Conference                       | IEEE          | 7th International Conference on Computing Methodologies and Communication (ICCMC 2023), 23-25 Feb, 2023, Surya Engineering College, Erode | IEEE XPLORE<br>COMPLIANT ISBN: 978-1-6654-6408-6             |
|           | 19BEC4192    | SHANMUGAPRIYAN J  |                         |                                                                                                      |                                  |               |                                                                                                                                           |                                                              |
|           | 19BEC4211    | SUJEETH S         |                         |                                                                                                      |                                  | IEEE          |                                                                                                                                           |                                                              |
| 71        | 19BEC4190    | SELVANAYAH N      | Dr.K.KARTHIKEYAN        | DESIGN AND SIMULATION OF SAW MEMS DEVICE FOR GAS SENSING APPLICATION                                 | Patent                           | Patent        | 202341017562 A                                                                                                                            | The Patent office Journal<br>No. 13/2023 Dated<br>31.03.2023 |
|           | 19BEC4198    | SNEHA T           |                         |                                                                                                      |                                  |               |                                                                                                                                           |                                                              |
|           | 19BEC4218    | SWATHIKA A        |                         |                                                                                                      |                                  |               |                                                                                                                                           |                                                              |
|           | 19BEC4227    | VARSHITHA G       |                         |                                                                                                      |                                  |               |                                                                                                                                           |                                                              |