**Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam, Chennai 603 110**

**Various Status of Patent applications: Prepared on 24 April 2023**

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| **SSN****ref** **No** | **Title of the****patent** | **Patent No /****faculty / Dept** | **Patent****Filed date** | **Published****Date** | **Requested for exam** | **FER Issued Date** | **FER Filed****Date** | **Hearing Date** | **Granted Date** | **Application Status** |
| 1 | Air Inlet Regulating Device For Fluid Driven Two Stroke Engines | **4646/CHE/2012**1. Mr. Ebenezer D
2. Shashank S
3. Tarun M

Mechanical | 06-Nov-12 | 09-May-14 | 24-Feb-15 | 15-Mar-19 | 13-Sep-20 | 24 Nov 21 | 30 Nov 21 | **Granted****Patent No : 383221****30 Nov 2021** |
| 2 | Hybrid Bumper System | **6062/CHE/2014**1. Dr. Vijay Sekar KS
2. Manoj Kumar M
3. Kavitha S
4. Maria Anatony Charles J

Mechanical | 03-Dec-14 | 01-Jul-16 | 20-Sep-18 | 09-Jun-20 | 09-Dec-20 |  |  | Reply filed.Application in amended examination |
| 3 | Multi-Stance Smartphone Support For Microscope | **6299/CHE/2015**1. Dr. S. Pravin Kumar
2. S. Saravana Prakash
3. S.Rajendiran

Bio- Medical | 24-Nov-15 | 25-Mar-16 | 24-Nov-15 | 14-Jan-19 | 26-Jun-19 |  |  | **Application in hearing** |
| 4 | Adjustable Wheel Wrench | **201641009930**1. Dr. K. Babu
2. Sanjay Bharadwaj. B
3. Veeraraghavan. V

Mechanical | 22-Mar-16 | 09-Jun-17 | 22-Mar-16 | 22-Mar-19 | 23-Sep-19 |  |  | Reply filed.Application in amended examination |
| 5 | Novel 3T Head Actuation Mechanism With Low Actuation Voltage For Bistable Switching Mechanism | **201641012220**1. Dr. S Radha,
2. Dr. B S Sreeja
3. C. Joshitha

ECE | 07-Apr-16 | 13-Oct-17 | 07-Apr-16 | 13 April-21 | 18-Oct-20 |  |  | Reply filed.Application in amended examination |
| 6 | Modular Intelligent Transformer (MIDTR) for low and medium Voltage Applications | **201641014396**1. Dr V. Rajini
2. MS. R. B. Jeyapradha

EEE | 26-Apr-16 | 30-Jun-17 | 20-Sep-18 | 11-Mar-20 | 17-Aug-20 |  |  | Reply filed.Application in amended examination |

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| **SSN****ref** **No** | **Title of the****patent** | **Patent No /****faculty / Dept** | **Patent****Filed date** | **Published****Date** | **Requested for exam** | **FER Issued Date** | **FER Filed****Date** | **Hearing Date** | **Granted Date** | **Application Status** |
| 7 | Compact Mushroom Shaped Multiband Antenna with Slot Loaded Elliptical Micro Strip and Improved Performance Diversity | **201641023407**1. Dr. B.S. Sreeja,
2. Dr. S. Radha
3. Nafiza N
4. R.Chithradevi

ECE | 07-Aug-16 | 01-Dec-18 | 08-Jul-16 | 03-Jun-19 | 02-Dec-19With the help ofC-intel | 11 Jun 20 | 26 Jun 20 | **Granted** **Patent Number :339495****26 June 2020** |
| 8 | Retractable Wheels based Dynamic Stabilizer Attachment for Motor Cycle | **201741003692**1. Dr. S. Suresh Kumar
2. Akshay IB
3. Kishore Kumar P
4. Mohammad Shajeeth S
5. Mohan Kumar L

Mechanical | 01-Feb-17 | 03-Aug-18 | 24-March-2021 | 01 April 2022 | 04 September 2022 |  |  | Reply filed.Application in amended examination |
| 01 October 2022 |
| 9 | Solar Powered Battery Operated Vehicle Using Bldc Drive | **201741019394**1. Dr. R Seyezhai
2. A.Bharathi Sankar

EEE | 02-Jun-17 | 09-Jun-17 | 02-Jun-17 | 29-Aug-19 | 02-Mar-20 |  |  | Reply filed.Application in amended examination |
| 10 | Slow Clutch Release Mechanism | **201741034676**1. Dr. VE. Annamalai
2. Priya Ragavi N
3. Saankhya Revanoor Bhargava
4. Vivin Abraham Kurian
5. Sanjeev Nivedan C

Mechanical | 29-Sep-17 | 05-Apr-19 | 29-Mar-2021 | 25 –Jun-21 | 30-Aug-21 |  |  | Reply filed.Application in amended examination |
| 11 | Shrimp Shell Waste Into Biodegradable Grocery Bags | **201741034675**1. Dr. P. Senthil Kumar
2. S.Suganya

Chemical | 29-Sep-17 | 16-Nov-18 | 29-Mar-2021 | 16 –June 21 | 14-Dec-21 |  |  | ****Application in Hearing**** |
| 12 | Microwave Assisted Carbon Rich Solvent Vacuum regeneration: Continuous Process | **201741039775**Dr. Ambedkar BalrajChemical | 08-Nov-17 | 08-Nov-19 | 29-Mar-2021 | 04-Feb-2022 | 25 Mar 2022 |  |  | Reply filed.Application in amended examination |

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| **SSN****ref** **No** | **Title of the****patent** | **Patent No /****faculty / Dept** | **Patent****Filed date** | **Published****Date** | **Requested for exam** | **FER Issued Date** | **FER Filed****Date** | **Hearing Date** | **Granted Date** | **Application Status** |
| 13 | Interleaved Center Clamped Forward Converter With Reduced Switches For High Current Applications | **201741039792**1. Dr. V. Rajini
2. Dr. Alagu Dheeraj

EEE | 09-Nov-17 | 30-Mar-18 | 20-Sep-18 | 19-Mar-21 | 16-Sep-21 |  |  | Reply filed.Application in amended examination |
| 14 | An Effective Frequency provisioning method for Scalable Devices in NB-IOT Platform | **201741045343**1. H Shahul Hamead
2. Dr.T T Mirnalinee
3. M Asritha

CSE | 18-Dec-17 | 26-Apr-19 | 29-Mar-2021   | 18 Feb 2022 | 31 May 2022 |  |  | Reply Filed. Application in amended examination |
| 18 Aug 2022 |
| 15 | Improved Passive Safety For Vehicles Using Cellular Structure In Bumper | **201841010364**1. Dr. S Suresh Kumar
2. Ankit Kumar
3. Debal Bhattacharjee
4. Karthikayan Balaji
5. Karthikeyan
6. Gnanasundaram
7. Krishnan Vasudevan

Mechanical | 21-Mar-18 | 06-Apr-18 | 20-Sep-18 | 11-06-20 | 11-December-20 |  |  | Reply filed.Application in amended examination |
| 16 | An External Aid For Amyotrophic Lateral Sclerosis Patients | **201841010368**1. Dr. M.Dhanalakshmi
2. Viswanath S
3. Praveen Kumar G

Bio- Medical | 21-Mar-18 | 06-Apr-18 | 20-Sep-18 | 21-Jan-21 | 21-July 2021 |  |  | Reply filed.Application in amended examination |
| 17 | A Novel Encode-Decode Power Electronic Circuit For Data Transmission | **201841015775**1. Dr. R. Seyezhai
2. Dr.V.Chamundeeswari

EEE | 26-Apr-18 | 04-May-18 | 20-Sep-18 | 12-10-20 | 12 - Apr 2021 |  |  | Reply filed.Application in amended examination |
| 18 | Short rigid fibre reinforced Concrete | **201841017568**Dr. YK SabapathyCivil | 10-May-18 | 01-Mar-19 |  29-Mar-2021  | 10 Feb 2022 | 09 Aug 2022 |  |  | Reply Filed. Application in amended examination |

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| 19 | Megasonics-Assisted Carbon Rich Solvent Vacuum Regeneration in PCCC: Continuous Process | **201841021481**1. Dr. Ambedkar Balraj
2. Dr. Dhanalakshmi J
3. Muthumari Perumal

Chemical | 08-Jun-18 | 13-Dec-19 |  31-Mar-2021 | 07-May-21 | 02-Nov-2021 | 06 Dec 2021 | 15-Feb-2022 | **Granted****No : 389362****15 Feb 2022** |
| 20 | A Method Of Fabricating Micro Features In Nbn Superconductor Using Ns-Pulsed Laser | **201841030305**1. Dr. S. Radha
2. E.Manikandan
3. Dr. B.S.Sreeja

ECE | 13-Aug-18 | 21-Sep-18 | 31-Mar-2021 | 23 Feb 2022 | 31 July 2022 |  |  | Reply filed.Application in amended examination |
| 21 | An apparatus and method of detecting cholesterol contents in human serum using Laser induced Breakdown Spectroscopy (LIBS) | **201841030310**1. Dr. S. Radha,
2. Dr. B. S. Sreeja
3. R.Indhu
4. E. Manikandan

ECE | 13-Aug-18 | 21-Sep-18 | 31-Mar-2021 | 04-Feb-2022 | 27 Feb 2022 |  |  | Reply Filed. Application in amended examination |
| 22 | Improved Escape Worthiness Of Car Occupants Under Drowning Environment | **201841030306**1. Dr. S Suresh kumar
2. Vishal B
3. Neil Ashwin Raj

Mechanical | 13-Aug-18 | 21-Sep-18 | 31-Mar-2021 | 24 Feb 2022 | 11 May 2022 |  |  | Reply Filed. Application in amended examination |
| 30 June 2022 |
| 23 | Hidden Markov model based sign language to speech conversion system in Tamil | **201841038594**1. Dr. P. Vijayalakshmi
2. N. Naren Raju
3. V. Aishwarya

ECE | 11-Oct-18 | 19-Oct-18 |  31-March-2021 | 07-Feb-2022 | 31 July 2022 |  |  | Reply Filed. Application in amended examination |
| 24 | GIWAY - Device for personalized Distress Beacon | **201841038593**1. Dr. G. Satheesh Kumar
2. P. Dhananchezhlyan

Mechanical | 11-Oct-18 | 19-Oct-18 |  31-March-2021 | 04-Feb-2022 | Feb 06 2022 |  |  | Reply Filed. Application in amended examination |
| 05 May 2022 |

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| 25 | Orthopedic Belt using Sodium Acetate Crystals | **201841038595**1. Dr. Subashlni R,
2. Viswanath.S
3. Apurva.S

Bio- Medical | 11-Oct-18 | 19-Oct-18 | 31-March-2021 | Feb 18 2022 | 30 May 2022 |  |  | Reply Filed. Application in amended examination |
| 26 | Box type modular photocatalytic reactor for removal of VOCs under normal fluorescent lamps | **201841042095**Dr. K. Jagannathan Chemical | 08-Nov-18 | 11-Sep-20 | 31-March-2021 | 07-Oct-2021 | 09 Feb 2022 |  |  | Application in hearing22 March 2023 |
| 22 Mar 2022 |
| 27 | An Embedded system design for non-invasive Blood Glucose measurement | **201941006594**1. Dr. Suganthi,
2. R. Haripriya
3. M, Nagavarshini
4. Vignesh. V
5. Vignesh. R
6. Sriram Shreedharan
7. Vignesh. R
8. A.S. Vikram
9. R. Jyothiraditya

Bio- Medical | 20-Feb-19 | 11-Sep-20 |  31-March-2021 | 07 Mar 2022 | 27 Aug 2022 |  |  | Reply Filed. Application in amended examination |
| 28 | Speech-Input Speech-Output Communication Aid for speakers with Cerebral Palsy | **201941031287**1. Dr. P. Vijayalakshmi,
2. Dr. T. Nagarajan
3. T. A. Mariya Celin

ECE | 02-Aug-19 | 05-Feb-21  |  31-March-2021 | 04-Feb-2022 | 31 July 2022 |  |  |  Reply Filed. Application in amended examination |
| 29 | 3D Printed ProstheticArm | **201941031286**1. Dr. Kavita A,
2. Nithya. R
3. Omar Saleh

Bio- Medical | 02-Aug-19 |  05-Feb-21  |  31-March-2021 |  |  |  |  | Application referred u/s 12 for examination. |
| 30 | A knee brace for Genu Recurvatum | **201941031288**1. Dr. Dhanalakshmi M
2. Kesiya Mohamed Farook
3. Viswanath Srinivasan

Bio- Medical | 02-Aug-19 |   05-Feb-21  |  31-March-2021 | 05-Feb-2022 | 30 April 2022 |  |  | Reply Filed. Application in amended examination |

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| 31 | Composite blades for lower extremity amputees | **201941031300**1. Dr. Dhanalakshmi M
2. Viswanath S
3. Praveen Kumar
4. Om Prakash S

Bio- Medical | 02-Aug-19 |  05-Feb-21  |  31-March-2021 | 25 Feb 2022 | 01 Jun 2022 |  |  | Reply filed.Application in amended examination |
| 32 | UWB Reconfigurable Filtering Antenna for Cognitive Radio Applications | **201941033454**1. Dr. M Gulam Nabi Alsath
2. S Kiruba Veni
3. Pranambika Balaji

ECE | 20-Aug-19 | 30-Aug-19 | 20-Aug-19 | 26-11-20 | 17-Dec-20 |  |  | Reply filed.Application in amended examination |
| 33 | Programmable Semi-Automatic Insulin Delivery Smart System | **201941041455**1. Dr.B.S. Sreeja
2. C. Joshitha
3. Dr. S. Radha

ECE | 14-Oct-19 | 16-04-2021 |  31-March-2021 | 08-Feb-22 | 05 May 2022 |  |  | Reply filed.Application in amended examination |
| 34 | Flexible Wearable Sensor for Wireless Screening of Obstructive Sleep Apnea | **201941048258**1. Dr. Esther Florence
2. Harini B
3. M.S.Vignesh

ECE | 26-Nov-19 | 13-12-2019 | 26-11-2019 | 24 October2021  | 31 Jan 2021 |  |  | Reply Filed. Application in amended examination |
| 22 Mar 2022 |
| 35 | FRP Coil Springs | **201941052251**Dr. YK Sabapathy, Civil | 17-Dec-19 | 03-Jan-20 |  31-March-2021 | 23 Aug 2021 | 04 Feb 22 |  |  | Reply Filed. Application in amended examination |
| 17 Feb2022 |
| 36 | Mosquito Eradication Robot | **202041007302**1. Dr. G. Satheesh Kumar
2. Aditya Bucha

Mechanical | 20-Feb-20 |  27-Aug-21 |  31-March-2021  | 04-Feb-22 | 30 May 2022 |  |  | Reply Filed. Application in amended examination |

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| 37 | Automated Weight Measurement Based on Anthropometry | **202041009649**1. Dr. Mahesh V
2. R Ananya
3. C Kezia Sharon
4. Vaishali H
5. Kavya V Kannan
6. Jagadesh A S
7. Arvindh Swaminathan M B

Bio- Medical | 06-Mar-20 | 24-Apr-20 | 06-03-2020 | 08 Nov 2021 | Feb 07 2022 |  |  | Reply Filed. Application in amended examination |
| 25 Mar 2022 |
| 38 | Single phase monoclinc LI2MNSIO4 as an efficient battery- active positive Eelectrode material for rechargable Lithium Batteries and method of preparing the same | **202041026535**1. Dr. Siluvai Michael
2. Kannan Shree Kesavan

Chemistry | 23-Jun-20 |  21-Aug 20 |  05-10-2020 | 21 March-2021 | 06- June2021 |  |  | **granted****28 March 2023****427320** |
| 39 | Smart phone enabled Dermatoscope for Automated skin lesion Classification using Convolutional Neural Network | **202041043279**1. Dr. Vijay Jeyakumar
2. S. Subashini
3. S N Jaya Sree
4. Dr. K. Nirmala

Bio- Medical | 05-Oct-20 | 16-Oct-20 |  05-Oct-20 | 03 Dec 2021 | 31 May 2022 |  |  | Reply filed.Application in amended examination |
| 01 June 2022 |
| 40 | Unsupervised Multimodality Medical Image retrieval system | **202041043275**1. Dr. Vijay Jeyakumar
2. Preethi Kurian

Bio- Medical | 05-Oct-20 | 16-Oct-20 | 05-Oct-20 | 13 Dec 2021 | 10 Feb 2022 |  |  | Reply filed.Application in amended examination |
| 31 May 2022 |

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| 41 | One Stretch Micromachining of Microfluidic Chip with Microchannels and Micro-holes using Ultra Short Laser | **202041047649**1. Dr. S. Radha,
2. Dr. Sreeja
3. R. Indhu

ECE | 01-Nov-20 | 13-Nov-20 | 01-Nov-20 | 30- March-2021 | 30-jun-21 |  |  | Reply filed.Application in amended examination |
| 42 | A System, Device And Method For Plant Disease Detection And Alert | **202041047647**Dr. S. RadhaECE | 01-Nov-20 | 13-Nov-20 | 01-Nov-20 | 31-Dec-2021 | 31-Jan-2022 |  |  | Application in hearing  |
| 43 | Multifunctional sensor for the detection of toxic gases (Methane and Carbon monoxide) and pipeline leakages in the sewage system | **202041047648**1. Dr. S. Radha
2. R. Kiruthika
3. Dr. S. Kirubaveni

ECE | 01-Nov-20 | 13-Nov-20 | 01-Nov-20 |  |  |  |  | Application referred u/s 12 for examination. |
| 44 | Staircase Grooved Vertically Polarized Frequency Agile Radiator and Reflector | **202141010974**1. Dr. S. Radha
2. Melvin Chamakalayil Jose
3. Dr. Sreeja B.S
4. Pratap Kumar

ECE | 15-03-2021 | 19-03-2021 | 23 March 2021 | 18 April 2022 | 17 October 2022 |  |  | Reply Filed. Application in amended examination |
| 45 | Star Shaped Compact DGS Incorportaed dual band planar dipole Antenna | **202141017150**1. Dr. S. Radha
2. Melvin Chamakalayil Jose
3. Dr. Sreeja B.S
4. Pratap Kumar

ECE | 12-04-2021 | 23-04-2021 | 12-04-2021 | 16 Feb 2022 | 16 Aug 2022 |  |  | Reply Filed. Application in amended examination |

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| 46 | Quad Band RF Shield using a mechanically configurable venetian blind structure | **202141010951**1. Dr. S. Esther Florence
2. B. Sakthi Abirami
3. Dr. Vimal Samsingh

ECE | 15-03-2021 | 19-03-2021 | 15,16 March 2021 | 15 Feb 2022 | 30 May 2022 |  |  | Reply filed.Application in amended examination |
| 47 | Novel Optically Transparent UWB MIMO Antenna System: A Method and Device Thereof | **202141010975**1. Dr. M Gulam Nabi Alsath
2. Dr. S. Kirubaveni
3. P. Devisowjanya
4. Dr. S. Radha
5. Y. Tusharika

ECE | 15-03-2021 | 19-03-2021 | 23 March 2021 | 02 Feb 2022 | 25 Mar 2022 |  |  | Reply Filed. Application in amended examination |
| 48 | Real Time Drowsiness and Fatigue Detection for Bikers using Helmet | **202141010949**1. Dr. Swathika R
2. M. Oviyaa
3. P. Renvitha
4. Dr. I. Joe Louis Paul
5. Dr. S. Sasirekha

IT | 15-03-2021 | 19-03-2021 | 23 March 2021 | 18 Jan 2022 | 25 Mar 2022 |  |  | Reply Filed. Application in amended examination |
| 49 | An Intelligent theft-Deterrent Bottom-line Trash Basket on Wheels for Smart Waste Management System | **202141017153**1. Dr. G. Satheesh Kumar
2. Aditya Bucha
3. S Aravind

Mechanical | 12-04-2021 | 23-04-2021 | 12/04/2021 | 19 May 2022 | 19 Nov 2022 |  |  | Reply Filed. Application in amended examination |
| 50 | Development of Car Stability Control Mechanism for Tyre Blowout Situation | **202141017152**1. Dr. S. Suresh Kumar
2. S. Abinauv
3. T. Amutha Geethan
4. K. Balaji
5. S. Deepak

Mechanical | 12-04-2021 | 23-04-2021 | 12/04/2021 | 20-Sep-21 | 05-Jan-22 |  |  | Reply Filed. Application in amended examination |

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| 51 | Method of recovering abrasives from bonded rejects and method of reusing the same | **202141018692**1. Dr. VE Annamalai
2. P. Sabarinathan
3. Dr. S. Suresh Kumar

Mechanical | 22-04-2021 | 30-04-2021 | 22/04/2021 | 17 February 2022 | 28 Mar 2022 |  |  | Reply Filed. Application in amended examination |
| 52 | Portable size conversion machine for coated abrasive discs | **202141018693**1. Dr. VE Annamalai
2. P Sabarinathan
3. Balakrishnan R
4. Akhil C. Kuriakose
5. Dr. S. Suresh Kumar

Mechanical | 22-04-2021 | 30-04-2021 | 22/04/2021 | 17 August 2021 | 04 Jan 2022 |  |  | Reply Filed. Application in amended examination |
| 53 | Embedded system for Cuffless Non Invasive Blood Pressure Monitor | **202141017842**1. Dr. L. Suganthi
2. Santhoosh Aravind S
3. Praveen SB
4. Sai Prashanth B

Bio- Medical | 16 - April - 2021 | 23-04-21 | 12/04/2021 | 10-February 2022 | 09 August 2022 |  |  | Reply Filed. Application in amended examination |
| 54 | Synthesis of a blue emitting Ba2CaZn2Si6O17:Pb2+ phosphor for solid state light applications | **202141019189**1. Dr. S. Masilla Moses Kennedy,
2. Dr. G Annadurai
3. Paranthaman B

Physics | 26-April 2021 | 07-05-2021 | 26/04/ 2021 | 14 Mar 2022 | 31 August 2022 |  |  | Granted, Patent Number :41748710 Jan 2023 |
| 55 | Polyamides and Method of Preparation Thereof | **202141017151**1. Dr.A. Murugesan
2. P. Mahendran

Chemistry | 12-April-2021 | 23-04-21 | 12/04/2021 | 06-May-21 | 06-Nov-21 | 05 April 2022 |  | Granted41525923 Dec 2022 |
| 56 | Weather Based Cruise Control Module for Automobiles | **202141017843**1. Dr. Vimal Samsingh R
2. Pranaav Sankar S
3. Rahul B
4. Rakesh Kumar J
5. Sathyaseelan S

Mechanical | 12 - April - 2021 | 23-04-21 | 12/04/2021 | 16 Sep2021 | 18 Jan 22  |  |  | Reply Filed. Application in amended examination |
| 28 Jan 2022 |

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| 57 | An automated tool for early detection of depression from social media textusing deep learning approach | **202141033519**1. Dr.Thenmozhi
2. Kshitij Sharma,
3. Kiruthika J,
4. Raghav R,

CSE | July 26, 21 | Sep 10, 2021 | Sep 03, 2021 | 09 Mar 2022 | 30 June 2022 |  |  | Reply Filed. Application in amended examination |
| 58 | A Thermo Warmer for LPG Stoves | **202141040204**Dr. Lakshmi NarasimhanMechanical | 04-Sep-21 | 24-Sep-21 | 04-Sep-21 | 11 Mar 2022 | 27 August 2022 |  |  | Reply Filed. Application in amended examination |
| 59 | Innovative Self-Adjustable Support for Soft Stem Trees to Avoid Cyclone Damage | **202141040129**1. Dr. S. Suresh Kumar
2. Shoba E
3. Shriram S K
4. Varuna G R
5. Venkatesh S

Mechanical | 03-Sep-21 | 17-Sep-21 | 03-Sep-21 | 19 May 2022 | 01 October 2022 |  |  | Reply Filed. Application in amended examination |
| 60 | Kinetic Finger analyzer cap for Parkinson's disease diagnosis | **202141040125**1. Dr. Esther Florence
2. Sakthi Abirami B
3. Dr. Vimal Samsingh R

ECE | 03-Sept-21 | 17-Sep-21 | 03-Sept-21 | 08 August 2022 | 30 Jan 2023 |  |  | Reply Filed. Application in amended examination |
| 61 | Frequency Agile Beam Scanning Reflectarray Antenna (RA) with an Integrated Electronic Control Board (ECB) | **202141041836**1. Dr. Gulam Nabi Alsath
2. N. Kavitha,
3. Dr. S. Kirubaveni

ECE | 16-09-21 | 26-Nov-21 | 23- Nov 21 | 24 June 2022 | 28 June 2022 |  |  | Reply Filed. Application in amended examination |

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| **SSN****ref** **No** | **Title of the****patent** | **Patent No /****faculty / Dept** | **Patent****Filed date** | **Published****Date** | **Requested for exam** | **FER Issued Date** | **FER Filed****Date** | **Hearing Date** | **Granted Date** | **Application Status** |
| 62 | Natural fiber laying attachmentfor Green Concrete Paver Block (GCPB) Making Machine | **202241003717**1. Dr. S. Suresh Kumar
2. Dr. R. Damodaram
3. Adithiya M.B.
4. Deepak Babu R.
5. Dhilip K.M.
6. Karthik. V.U

Mechanical | 22 Jan 2022 | 18 feb2022 | 12 Feb 2022 | 21 April 2022 | 04 September 2022 |  |  | Reply Filed. Application in amended examination |
| 01 October 2022 |
| 63 | Blind Abled Reading Frame (BARF) | **202241003724**1. Dr Thenmozhi
2. Kshitij Sharma,
3. Kiruthika J,
4. Raghav R

CSE | 22 Jan 2022 | 18 feb2022 | 12 Feb 2022 | 21 July 2022 | 23 Jan 2023 |  |  | Reply Filed. Application in amended examination |
| 64 | IoT based multi-purposeSmart Fabric Curtain | **202241007546**1. Dr. Edna Elizebath
2. R. Sriharini,
3. D. Supriya,
4. V. S Surenther,
5. S. Sneha

ECE | 12 Feb2022 | 18 Feb 2022 | 12 Feb 2022 | 07 July 2022 | 07 Jan 2023 |  |  | Reply Filed. Application in amended examination |
| 65 | Sono-assisted Ultra-low Temperature CO2 Stripping/Carbon-rich Solvent Regeneration | **202241007547**1. Dr. Ambedkar
2. Dr. Nagarajan Ramamurthy
3. Dr. Ravichandar Babarao
4. Krishna Kumar Nagarajan
5. Shriram Arumugam Mayilvahanan

Chemical | 12 Feb2022 | 18 Feb 2022 | 12 Feb2022 | 30 August 2022 | 21 Feb 2023 |  |  | Reply Filed. Application in amended examination |

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| **SSN****ref** **No** | **Title of the****patent** | **Patent No /****faculty / Dept** | **Patent****Filed date** | **Published****Date** | **Requested for exam** | **FER Issued Date** | **FER Filed****Date** | **Hearing Date** | **Granted Date** | **Application Status** |
| 66 | A Solar Powered Compact Dustbin Assembly | **202241008633**1. Dr. R. Ramaprabha
2. M. Aishwarya,
3. N. Divyasri
4. S. J. Indhra Pooja
5. Dr. M. Balaji
6. Dr. V. Kamaraj

EEE | 18 Feb 2022 | 04 Mar 2022 | 18 Feb 2022 | 22 April 2022 | 30 June 2022 |  |  | Reply Filed. Application in amended examination |
| 67 | Wearable self-balancing, configurable mobility assistance apparatus | **202241026270**1. Aditya K
2. Akash S
3. Ashwin A
4. Gautam R
5. Dr. Vimal Samsingh R
6. Dr. S. Florence

**Mechanical and ECE** | 05 May 2022 | 17 Mar 2023 |  |  |  |  |  | Application Awaiting Examination |
| 68 | Fractal Inspired Loop Elements Based 2.5-D Miniaturized Frequency Selective Surface | **202241029873**1. Dr. S. Ramprabhu
2. Mr. M. Lingeshwaran

**ECE** | 24 May 2022 | 17 Mar 2023 |  |  |  |  |  | Application Awaiting Examination |
| 69 | Automation on contactless Covid-19 protocol device | **202241026271**1. S. Adharsh Sundaram,
2. V. Arun Selvin Kumar,
3. J. Karthick,
4. Dr. U. Shajith Ali

**EEE** | 05 May 2022 | 17 Mar 2023 |  |  |  |  |  | Application Awaiting Examination |

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| **SSN****ref** **No** | **Title of the****patent** | **Patent No /****faculty / Dept** | **Patent****Filed date** | **Published****Date** | **Requested for exam** | **FER Issued Date** | **FER Filed****Date** | **Hearing Date** | **Granted Date** | **Application Status** |
| 70 | In-Situ filtration of transformer oil using methyl methacrylate polymer concrete | **202241029874**1. Dr. S. Tamilselvi
2. Madhusudan Saranathan
3. Pa. Hari Krishna Achuthan
4. Abhishek R
5. Adhitya R

**EEE** | 24 May 2022 | 17 Mar 2023 | 24 May 2022 |  |  |  |  | Application Awaiting Examination |
| 71 | Braille Interpretation Pad | **202241037782**Angel Deborrah1. Dr. A. Beulah,
2. Dr. S. Rajalakshmi,
3. Ms. S. Angel Deborah

**CSE** | June 30 2022 | 22 July 2022 | June 30 2022 | 21 October 2022 |  |  |  | FER issued reply not filed |
| 72 | Baseline Static Veloprene Foot Pressure Mapping System | **202241049663**1. Chetana Krishnan (UG Student, Dept. of Biomedical Engineering)2. Dr. Vijay Jeyakumar (Associate Prof., Dept. of Biomedical Engineering)**BME** | August 30 2022 | 09 September 2022 | August 30 2022 |  |  |  |  | **Awaiting Request for Examination** |
| 73 | Intensification of Sono-assisted CO2 Stripping Using Hydrophobic Nano Particles | **202241050337**Dr. Ambedkar Balraj Dr. Nagarajan RamamurthyDr. Ravichandar Babarao Krishna Kumar NagarajanMangaleshwari SanthoshDr. Sathishkumar Kannaiyan**CHEMICAL** | August 30 2022 | 16 September 2022 | August 30 2022 |  |  |  |  | Awaiting Request for Examination |
| 74 | Bandwidth Enhancement of Reflectarray Using Overlapping Tri-resonance Phase Distribution | **202241063131**N. Kavitha/Project Associate, Dr. M. Gulam Nabi Alsath/ Associate Professor, Dr. S. Kirubaveni/ Associate Professor**ECE** | November 042022 | 18 November 2022 | November 042022 | 16 Feb 2023 |  |  |  | FER Issued, Reply not Filed |

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| 75 | Novel loom for the fabrication of multi-layered woven textile electronic components | **202341024501**S.Esther FlorenceVimal Samsingh RAbirami Anbalagan –Research Scholar, Dept. of Electronics And Communication Engineering, SSN College of Engineering | March 31 2023 |  |  |  |  |  |  | Application not yet published |