

**DETAILS OF PATENT, DESIGN AND COPYRIGHT GRANTED**
**(National & International)**
**CONSOLIDATED LIST**
**Date: 26/11/2025**

| List of Indian Patents Granted |                                                           |                                                                                   |                                                                                                                       |                                 |                        |
|--------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------|
| 1                              | Deepa Jose<br>Praveen Kumar S Sanjay S                    | Deepa Jose<br>Praveen Kumar S<br>Saniav S                                         | IoT Based Virtual Health<br>Monitoring System                                                                         | 201641011995 &<br>05/04/2016    | Granted on 25/11/2021  |
| 2                              | G. MOHAMED ZAKRIYA                                        | G. MOHAMED<br>ZAKRIYA                                                             | JUTE-HOLLOW<br>CONJUGATED<br>POLYESTER FIBRE<br>NONWOVEN FLEXIBLE<br>COMPOSITE PADDING<br>MATERIAL                    | 201741043687 &<br>06/12/2017    | Granted on 12/08/2021  |
| 3                              | R.Patrick Pious A.Ananya<br>S.Rajesh<br>P.Deiva Sundari   | R.Patrick Pious<br>A.Ananya<br>S.Raiesh                                           | Renewable energy<br>supporting DC ceiling grid                                                                        | 1860/CHE/2015<br>&10/08/2015    | Granted on 04/08/2021. |
| 4                              | Dr.G.Ramakrishnan,<br>Dr.B.Poongodi,<br>Dr.C.Velumurugan. | Dr.G.Ramakrishna<br>n, Dr.B.Poongodi,<br>Dr.C.Velumurugan                         | Low weight Jacquard<br>Hooks for Handlooms                                                                            | 201941008024 &<br>01/03/2019    | Granted on 07/07/2021  |
| 5                              | KCG College of<br>Technology<br>S&H                       | D. Muralikrishnan<br>V. Andar<br>Saravanamuthu. A<br>Vignesh . S.K<br>Yuvaraj. S" | Enhancement Of Heat<br>Transformer In<br>Automobile Radiator<br>Using<br>CuAl <sub>2</sub> O <sub>4</sub> Nanofluids" | 201741022999<br>&<br>30/06/2017 | Granted on 02-02-2023  |

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| 6  | S.Thanigaiarasu<br>Dharmahinder Singh                               | S.Thanigaiarasu<br>Dharmahinder                                                | Method and device for<br>controlling sonic under -                                                      | 3765/CHE/2015<br>&              | Granted on 24-02-2023         |
| 7  | KCG College of<br>Technology                                        | Easu D<br>SumathiPoobal                                                        | Automated Lift System                                                                                   | 201741023016<br>&<br>30/06/2017 | Granted on 19-12-2023         |
| 8  | KCG College of<br>Technology                                        | Gayathri R<br>Ashish A<br>Abraham Joshua<br>Abraham Thomas<br>Prasanalakshmi V | Smart Railway Platform                                                                                  | 201741023020<br>&<br>30/06/2017 | Granted on 11/03/2024         |
| 9  | Dr. V. Andal, Ms.Priya<br>Bijesh, Mr. Selvaraj, Dr.<br>Lakshmipathy | Dr. V. Andal,<br>Ms.Priya Bijesh,<br>Dr. Lakshmipathy                          | Synthesizing Carbon Dot<br>from Asparagus<br>Racemosus for Silver Ion<br>Sensing                        | 202241062049 &<br>31/10/2022    | Granted on 26-03-2024         |
| 10 | KCG College of<br>Technology                                        | Easu D , Amrutha<br>R                                                          | Suspension System Using<br>MRF And Hybrid Magnet                                                        | 201741023002<br>&<br>30/06/2017 | Granted on 28th March<br>2024 |
| 11 | 1.V.Dillibabu 2.R.Senthil<br>Kumar 3.G. Mohamed<br>Zakriya          | 1.V.Dillibabu<br>2.R.Senthil Kumar<br>3.G. Mohamed                             | Magnetic Induction Fluid<br>Heater And<br>Heating Vessel                                                | 202241017781 &<br>28/03/2022    | Granted 17/03/2024            |
| 12 | Dr. G. Mohamed Zakriya                                              | Dr. G. Mohamed<br>Zakriya                                                      | Alternate Feed of Bamboo<br>and Modal<br>Yarn And Its Blends in<br>Knit and Woven Fabric<br>Development | 201841025868 &<br>11/07/2018    | Granted on 28/02/2024         |
| 13 | Dr. G. Mohamed Zakriya                                              | Dr. G. Mohamed<br>Zakriya                                                      | Process Of Preparing<br>Banana Fibre<br>Reinforced Nonwoven<br>Composite Bio Box                        | 202241039577 &<br>10/07/2022    | Granted on 20/11/2023         |

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| 14 | KCG College of Technology      | V. Gopal<br>R. Bharanidharan      | Design Of Flexure Hinges Tester                                   | 201741023001 &<br>30/06/2017 | Granted on 29/04/2024   |
| 15 | KCG College of Technology AERO | Syam Narayanan S<br>Asad Ahamed R | Enhancement of aerodynamic performance                            | 201941053948 &<br>26/12/2019 | Granted on 10/1/2025    |
| 16 | KCG College of Technology      | P. SelviRajendran                 | Gesture Supporting Virtual Bulletin Board Using Augmented Reality | 201741022997 &<br>30/06/2017 | . Granted on 22/10/2025 |

#### List of Australian Patents Granted

| S.N o. | Applicant Name(s)              | Inventor Name(s)                                             | Title of the Application                                                          | Application No. & Patent Filed Date | Application Status     |
|--------|--------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------|------------------------|
| 1      | KCG College of Technology/HITS | S.Jagadish,<br>B.Rammyaa, Dr<br>Deepa Jose                   | AN AUTOMATED ROBOTIC DEVICE FOR ATTACKING, RESCUING AND RECONNAISSANCE OPERATIONS | 2021103286 &<br>10/06/2021          | Granted on 30/03/2022. |
| 2      | KCG College of Technology/HITS | Sakthi, B. Brindha and Sundari, P. Deiva                     | AN INDUCTION HEATING DEVICE AND ITS WORKING METHOD                                | 2021103244 &<br>10/06/2021          | Granted on 20/04/2022  |
| 3      | HITS/KCG College of Technology | Mathevan Pillai T, Balaji Dhanapal, and A. John Presin Kumar | A SYSTEM AND METHOD FOR PREPARING LIGNITE OIL TAR SLURRY FOR SUBSTITUTE FOR       | 2021105524 &<br>15/08/2021          | Granted on 22/12/2021  |

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| 4 | HITS/KCG College of Technology | Kumar S., Sabesh; R., Dhanalakshmi; Roy, Satyam and M., Surya                                     | A SYSTEM AND METHOD FOR DEVELOPMENT OF INTERACTIVE THREE-DIMENSIONAL MODEL                        | 2021103243 & 10/06/2021 | Granted on 09/03/2021  |
| 5 | KCG College of Technology/HITS | Karthikeyan, K.; Deivasundari, P. and Mothilal,                                                   | A PULSED DIRECT CURRENT (PDC) FED ELECTROCOAGULATION SYSTEM AND METHOD FOR WASTE WATER TREATMENT  | 2021103245 & 10/06/2021 | Granted on 16/06/2021  |
| 6 | KCG College of Technology/HITS | Alex Biju T.; S., Bibin Jino; Shree. J, Swetha; Kumbhar, Prasad Virabasavanna; Narayanan S., Syam | AN ADJUSTABLE ANTI-VORTEX CONTOUR WINGTIP DEVICE                                                  | 2021103223 & 09/06/2021 | Granted on 09/03/2022. |
| 7 | KCG College of Technology/HITS | S. Sadasivam; Aida Jones and Thulasi Bai V, KCG College of Technology                             | A WIRELESS SENSOR NODE BASED SMART IRRIGATION SYSTEM AND METHOD USING ADAFRUIT CLOUD SERVICES     | 2021103246 & 10/06/2021 | Granted on 09/03/2022. |
| 8 | HITS/KCG College of Technology | Malarvel, Muthukumaran and Kathiravan, M.                                                         | A DEVICE FOR CONVERSION OF VISUAL GESTURES INTO HANDWRITTEN OF DEAF /PHYSICALLY CHALLENGED PEOPLE | 2021105337 & 24/08/2021 | Granted on 17/11/2021  |
| 9 | HITS/KCG College of Technology | Muthukumaran, G.; Ramachandraiah, Uppu and Vijayabalan, P.                                        | A PATIENT ESSENTIALS TRANSPORT SYSTEM                                                             | 2021106704 & 24/08/2021 | Granted on 17/11/2021  |

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| 10 | HITS/KCG College of Technology | G. Dinesh Kumar; Gowrishankar, D.; Krishnamoorthy, Vishwajeeth; Chidvilas, N. V.; Suraj, V.; N., Niteesh; Neeraj, Venkata and | A HALBACH TUGGING SYSTEM FOR AIRCRAFT                                                                                  | 2021105501 &14/08/2021  | Granted on 03/11/2021 |
| 11 | HITS/KCG College of Technology | V, Amudhan and Kirubakaran, P.S.B.                                                                                            | A PASSIVE VIBRATIONAL CONTROL SYSTEM FOR SEISMIC LATERAL SUPPORT SYSTEM OF STRUCTURES                                  | 2021105339 & 12/08/2021 | Granted on 10/11/2021 |
| 12 | HITS/KCG College of Technology | D. Raja Joseph. and T. Libin                                                                                                  | A GAS TURBINE COMBUSTOR DEVICE                                                                                         | 2021105503 &14/08/2021  | Granted on 10/11/2021 |
| 13 | HITS/KCG College of Technology | Rajeswari, M, Professor, MBA                                                                                                  | A SYSTEMATIC METHOD FOR CORPORATE FINANCIAL INFORMATION AS PUBLIC INFORMATION USING BIG DATA CLOUD                     | 2021106350 & 21/08/2021 | Granted on 10/11/2021 |
| 14 | HITS/KCG College of Technology | Shanmugam, Mariyappan; Shown, Indrajit and Sridhara, S. N.                                                                    | A PROCESS FOR DEVELOPING HIGHLY TRANSPARENT STICKABLE-PEELABLE SOLAR CELLS FOR BUILDING INTEGRATED PHOTOVOLTAIC DEVICE | 2021105522 & 15/08/2021 | Granted on 03/11/2021 |

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| 15 | HITS/KCG College of Technology | Selvamuthukrishnan, B.; V., Amudhan and Sebastin, Kirubakaran         | A DEVICE FOR CAPTURING VARIABLE ANKLE INJURY USING NFC             | 2021105520 & 15/08/2021 | Granted on 03/11/2021 |
| 16 | HITS/KCG College of Technology | Sinha, Anurag and Sreeja, P. S.                                       | AN ANTI- DIPSOMANIAC VEHICLE SYSTEM                                | 2021105502 & 14/08/2021 | Granted on 03/11/2021 |
| 17 | HITS/KCG College of Technology | Vallikannu, AL.; Vinoth, M. and Diderot P, Kumara Guru                | A LOW-PROFILE DESIRED BEAM ANTENNA DEVICE FOR V2X-5G COMMUNICATION | 2021105341 & 12/08/2021 | Granted on 27/10/2021 |
| 18 | HITS/KCG College of Technology | M., Sambath; SudalaiMuthu, T.; J., Thangakumar and E., Sangeeth Kumar | A PORTABLE DISHWASHER DEVICE                                       | 2021105336 & 11/08/2021 | Granted on 27/10/2021 |

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| 19 | Arjunagi, Shravankumar; Biradar, Siddalingappagouda DR; CHANDNANI, NEERAJ; G., Pavithra DR; H, Girish DR; Jose, Deepa DR; MALATHI, P. SREE RATHNA; Madiwal, Shweta M; Manjunath, T.C. DR; Meena, Mamta DR; Perugu, Prathusha DR; Ranjani, R DR; Sekhar, Ch.Punya DR; Sethy, Abhisek; Sirisha, G.; Urkude, Ashish Manohar DR; Urkude, Surekha Ashish MRS | Perugu, Prathusha; Madiwal, Shweta M.; Sekhar, Ch.Punya; Arjunagi, Shravankumar; Jose, Deepa; Biradar, Siddalingappagouda; CHANDNANI, NEERAJ; Sethy, Abhisek; Meena, Mamta; Sirisha, G.; MALATHI, P. SREE RATHNA; Manjunath, T.C.; G., Pavithra; Ranjani, R; Urkude, Ashish Manohar; Urkude, Surekha Ashish; H, Girish | AN ARTIFICIAL INTELLIGENCE BASED SYSTEM FOR DETECTION OF COVID INFLUENCE ON HUMAN SKIN | 2021102184 & 25/04/2021 | Granted on 16/06/2021 |
| 20 | KCG College of Technology/HITS                                                                                                                                                                                                                                                                                                                          | Srinidhi V, Srividya K, Sankar S, Dhanalakshmi R                                                                                                                                                                                                                                                                       | Design and Development of KCG - AGILE Meeting Dashboard                                | 2021102955 & 10/06/2021 | Granted on 27/10/2021 |
| 21 | KCG College of Technology/HITS                                                                                                                                                                                                                                                                                                                          | Dr. Mohamed Zakriya.G, Dr.Andal.V                                                                                                                                                                                                                                                                                      | A portable temperature and pressure controlled steam inhalation apparatus              | 2021103247 & 10/06/2021 | Granted on 20/10/2021 |
| 22 | HITS/KCG College of Technology                                                                                                                                                                                                                                                                                                                          | Rani V., Kanpur; A. L., Vallikannu and Muthu, T. Sudalai                                                                                                                                                                                                                                                               | AIR POLLUTION MONITORING SYSTEM USING INTERNET OF VEHICLES AND POLLUTION SENSORS       | 2021102486 & 12/05/2021 | Granted on 16/06/2021 |

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| 23 | HITS/KCG College of Technology                                                                                                                                                                                                                      | Visalaxi, Ms. and Muthu, T. Sudalai                                                                                                                                                                                           | A CONVOLUTIONAL NEURAL NETWORK-BASED SUSTAINABLE METHOD FOR CLASSIFICATION OF ENDOMETRIOSIS LAPAROSCOPIC IMAGES | 2021102484 & 12/05/2021 | Granted on 16/06/2021 |
| 24 | Awari, G. K.; Babbar, Atul; Balaji, B. Saravana; Bikash Acharjee, Purnendu DR; Dhall Samanta, Lokanatha; Hussain Sheikh, Tariq; Kumar Sahoo, Kalyan; Manoj, Aluri; Mishra, Vibhor; Murat Singh, Ram; Sankar, S.; Sekhar Puan, Pratap; Sharma, Ankit | Manoj, Aluri; Awari, G. K.; Sekhar Puan, Pratap; Bikash Acharjee, Purnendu; Balaji, B. Saravana; Kumar Sahoo, Kalyan; Hussain Sheikh, Tariq; Murat Singh, Ram; Mishra, Vibhor; Babbar, Atul; Sharma, Ankit; Sankar, S.; Dhall | 3D PRINTING OF COST-EFFECTIVE HUMAN SKULL MODELS AND SKULL IMPLANTS                                             | 2021101703 & 02/04/2021 | Granted on 05/05/2021 |
| 25 | Ajmal, Mohammed; Arshad, Haqqani; B R, Vinod; Batiyah, Salem Mohammed; Gobivel, K.; Gopal, V; K V, Arun; Kannan, S Rajesh; Kote, Hasan; Kumar, M.Vignesh; Kumar, T CH Anil; Thomas, S. Jesudass                                                     | Thomas, S. Jesudass; Gopal, V.; Kumar, M. Vignesh; Gobivel, K.; Kannan, S. Rajesh; K. V., Arun; Kumar, T. CH Anil; Arshad, Haqqani; B. R., Vinod; Kote, Hasan; Batiyah, Salem Mohammed;                                       | AN INVESTIGATION OF ABRASIVE WATER JET MACHINING ON GLASS FIBER REINFORCED POLYMERS                             | 2021101722 & 04/04/2021 | Granted on 26/05/2021 |



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| 26 | KCG College of Technology<br>of Karapakkam Chennai<br>600097 India                                                                                                                                                                                                                                                   | Jacob, Annie;<br>Sundari, P. Deiva;<br>Anuradha, T.;<br>Murugan, R. and<br>Tony, A. Arvin                                                                                                                                                                 | A PROCESS FOR<br>DESIGNING OF CYBER<br>PHYSICAL CONTROLLER<br>FOR OPTIMAL DISPATCH<br>OF VIRTUAL POWER<br>PLANT | 2021101655<br>&<br>30/03/2021 | Granted on 05/05/2021 |
| 27 | Bhavyasri, K. DR; Chandra<br>Panda, Ramesh PROF; D.,<br>Lakshmi DR; Khurana, Jyoti<br>PROF; Mishra, Amarnath<br>DR; Nagpal, Neelu DR;<br>Nagrath, Preeti DR; P.<br>Gandhi, Priyesh DR;<br>PANDIAN, P. PAL DR; Pal,<br>Souvik DR; Rakshit, Pranati<br>DR; Sankar, S. DR; Snehi,<br>Jyoti PROF; Venkat Reddy,<br>R. DR | Chandra Panda,<br>Ramesh; Nagpal,<br>Neelu; Rakshit,<br>Pranati; D.,<br>Lakshmi;<br>PANDIAN, P. PAL;<br>Nagrath, Preeti;<br>Mishra, Amarnath;<br>P. Gandhi, Priyesh;<br>Snehi, Jyoti;<br>Khurana, Jyoti; Pal,<br>Souvik; Sankar, S.;<br>Venkat Reddy, R.: | AQUA LIFE A compact<br>device extracting drinkable<br>water from sea water                                      | 2021100286<br>&<br>17/01/2021 | Granted on 16/06/2021 |
| 28 | A, Punitha DR; B, Prakash<br>DR; C, Dhaya DR; G,<br>Niranjana DR; I R, Praveen<br>Joe DR; M, Thenmozhi DR;<br>R, Dhanalakshmi DR; T,<br>Judgi DR                                                                                                                                                                     | R, Dhanalakshmi; I<br>R, Praveen Joe; M,<br>Thenmozhi; T,<br>Judgi; C, Dhaya; B,<br>Prakash; G,<br>Niranjana; A,                                                                                                                                          | Profile Based Digitization of<br>Medical Records in Cloud                                                       | 2021100009<br>&<br>02/01/2021 | Granted on 24/03/2021 |

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| 29 | G, JEYALAKSHMI MRS; G.,<br>AYISWARYA. MRS; G.,<br>KANNAYERAM DR; J,<br>DURAI MR; K, HARIBABU<br>DR; K, KARTHIKEYAN DR;<br>K., SURESH KUMAR DR;<br>M, SIVAPRAKASH DR; R,<br>RAMYA MRS; R, VIJAI MR;<br>S, BOOPATHI DR; S,<br>KALIAPPAN MR | K., HARIBABU; K.,<br>SURESH KUMAR;<br>K.,<br>KARTHIKEYAN;<br>M.,<br>SIVAPRAKASH;<br>S., BOOPATHI; G.,<br>KANNAYERAM;<br>G.,<br>JEYALAKSHMI;<br>R., VIJAI; G.,          | Electric Vehicle Charge<br>Management and Monitoring<br>system Based IoT                                 | 2020102995<br>&<br>24/10/2020 | Granted on 17/11/2021 |
| 30 | B, RAJA MOHAMED RABI<br>DR; D. S, EZHUMALAI MR;<br>K,<br>THANIGAVELMURUGAN<br>MR; P, MURUGAN DR; R,<br>KUMUTHA MRS; R,<br>RAVIKUMAR MR; S,<br>KALIAPPAN MR; S,<br>SOCRATES, MOTHILAL DR;                                                 | V., BALAJI; S.,<br>KALIAPPAN; T.,<br>MOTHILAL; P.,<br>MURUGAN; R.,<br>KUMUTHA; D. S.,<br>EZHUMALAI; K.,<br>THANIGAVELMU<br>R UGAN; B.,<br>RAJA, S.,                    | An Approach to<br>Heterogeneous Multidesign<br>Based Floor Planning Aware<br>with Thermal Power Delivery | 2020101942<br>&<br>22/08/2020 | Granted on 04/08/2021 |
| 31 | G, VASUKIDEVI MS; K,<br>TAMILARASI MS; P,<br>MURUGAN DR; S, Arun DR;                                                                                                                                                                     | S., KALIAPPAN;<br>V., BALAJI; T.,<br>MOTHILAL; S.,                                                                                                                     | Design Of A Collapsible<br>And Portable Lactation<br>Module For Mothers                                  | 2020102046<br>&<br>22/08/2020 | Granted on 09/10/2020 |
| 32 | G, MUTHU DR; K,<br>KARTHIKEYAN DR; K,<br>THANIGAVELMURUGAN<br>MR; L, NALINI JOSEPH DR;<br>R, KUMUTHA MRS; S, Arun<br>DR; S, KALIAPPAN MR; S,<br>SENTHIL KUMAR DR; T,<br>MOTHILAL DR; V, BALAJI<br>DR                                     | T., MOTHILAL; S.,<br>KALIAPPAN; V.,<br>BALAJI; L.,<br>NALINI JOSEPH;<br>S., Arun; K.,<br>KARTHIKEYAN;<br>G., MUTHU; R.,<br>KUMUTHA; K.,<br>THANIGAVELMU<br>R UGAN; S., | Design And Development Of<br>Smart Suit For Assisting the<br>Pregnant Women                              | 2020102194<br>&<br>09/09/2020 | Granted on 30/09/2020 |

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| 33 | Hindustan Institute of Technology and Science KCG College of Technology                                                                                                  | Sridhara, S. N.;<br>Indrajit Shown, and<br>Mariyappan Shanmugam                                                | A PROCESS FOR DEVELOPING NANO-INSPIRED ULTRA- THIN LARGE SURFACE AREA ANTI-SLIPPERY SELF-CLEANING ANTI-BACTERIAL MATTRESS | 2021105521<br>&<br>15/08/2021 | Granted on 07/10/2021 |
| 34 | Anand, Jose; B S, Vidhyasagar; Devarajan, Balaji; Dukkipati, Sudha; J, Jerusalim Carol; J, Venkatesh; M, Kishore Abishek; M, Krishnamurthy; M. V, Subramanyam; Mahammad, | Devarajan, Balaji; R., Partheepan; M., Krishnamurthy; J., Jerusalim Carol; S. N., Kumar; J., Venkatesh; M. V., | Combining the Gas- Metal Element for Green Energy Harvesting Optimised using Machine Learning                             | 2021103630<br>&<br>25/06/2021 | Granted on 07/10/2021 |
| 35 | Kalaipriya; R, Partheepan; S, Balaji; S.N, Kumar; V, Mareeswari; Y, Mallikarjuna Rao                                                                                     | Y., Mallikarjuna Rao; Mahammad, Farooq Sunar; V., Mareeswari; B. S., Vidhyasagar; M., Kishore Abishek          |                                                                                                                           |                               |                       |
| 36 | HITS/KCG College of Technology                                                                                                                                           | Geetha, Angelina and Bharathi, S. V. Shri                                                                      | A FACE MASK MONITORING SYSTEM AND METHOD FOR EDUCATIONAL INSTITUTIONS AND ORGANIZATIONS                                   | 2021105499<br>&<br>14/08/2021 | Granted on 19/01/2022 |

### List of Indian Copyrights Granted

|    |                                                                                       |                                                       |                                                                                                                   |                                                      |                          |
|----|---------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|--------------------------|
| 1. | KCG College of Technology<br>Deepthi Ramesh Deepthi                                   | Deepthi Ramesh<br>Deepa Jose                          | Detection of Pulmonary<br>Nodules using                                                                           | 18641/2021-<br>CO/L &<br>07/08/2021                  | Granted on<br>29/10/2021 |
| 2. | KCG COLLEGE OF<br>TECHNOLOGY , R<br>Gayathri<br>P Deiva Sundari                       | R Gayathri<br>P Deiva Sundari                         | An Overview of Electrical<br>and Thermal Analysis of<br>Insulation Properties of<br>Different<br>Transformer Oils | 18644/2021-<br>CO/L &<br>07/08/2021                  | Granted on<br>29/10/2021 |
| 3. | KCG College of Technology S<br>Gowtham<br>Ammal Dhanalakshmi<br>Dr.P.Deiva Sundari    | S Gowtham Ammal<br>Dhanalakshmi<br>Dr.P.Deiva Sundari | Modelling and<br>Experimentation of<br>Modified Cascaded<br>Multilevel<br>Inverter with Optimized                 | 18645/2021-<br>CO/L                                  | Granted on<br>29/10/2021 |
| 4. | KCG College of Technology M<br>Pradhiba<br>Deepa Jose<br>R Saranya<br>S Nandhini Devi | M Pradhiba Deepa<br>Jose R Saranya S<br>Nandhini Devi | Automated Melanoma<br>Recognition in Dermoscopy<br>Images via Very<br>Deep Residual Networks                      | Diary Number:<br>18639/2021-<br>CO/L &<br>07/08/2021 | Granted on<br>29/10/2021 |
| 5. | R.Dhanalakshmi, Seenaiah<br>Pedipina                                                  | R.Dhanalakshmi<br>, Seenaiah<br>Pedipina              | Sentiment Analysis of<br>twitter political data using<br>GRU Neural Network                                       | L-105651/2021                                        | Granted on<br>22/07/2021 |

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| 6. | KCG College of Technology,<br>Mr.Sadasivam S<br>Rishwanth M.S Sheik<br>Mohammed A.K<br>Sivakami B                                                                                    | Mr.Sadasivam S<br>Rishwanth M.S<br>Sheik Mohammed<br>A.K<br>Sivakami B                                   | METAMATERIAL<br>ANTENNA DESIGN                                                                                 | 4/2022-CO/L    | Granted on<br>16/06/2022 |
| 7. | KCG College of<br>Technology,Ms. R. Gayathri,<br>Hareesh Rajan S.V, Jokins<br>Bright Samuel.J,<br>Kanimozhi.A                                                                        | Ms. R. Gayathri,<br>Hareesh Rajan S.V,<br>Jokins Bright<br>Samuel.J,<br>Kanimozhi.A                      | AUTOMATIC PHASE<br>SEQUENCE CORRECTOR IN<br>MOTOR                                                              | 5/2022-CO/L    | Granted on<br>16/06/2022 |
| 8. | KCG College of Technology,<br>DR. KALAIVANAN<br>THIRUPATHI, GANESH<br>KARTHIC M, PAVAI N P,<br>VYAS JATINKUMAR<br>MANUBHAI                                                           | DR. KALAIVANAN<br>THIRUPATHI,<br>GANESH KARTHIC<br>M, PAVAI N P, VYAS<br>JATINKUMAR<br>MANUBHAI          | SIMULATION ANALYSIS OF<br>COMPOSITE MATERIALS<br>FOR DIVERGENCE<br>ELIMINATION                                 | 3/2022-CO/L    | Granted on<br>16/06/2022 |
| 9. | C, DR..GNANAKOUSALYA L,<br>DR.NALINIJOSEPH ROHINI,<br>G SHAIKH , SHARIQUE S.<br>THIAGARAJAN, R JAISWAL,<br>SUSHMA JAISWAL, TARUN<br>R., DR.ANAND, GUPTA, DR.<br>SAURABH S.M., SHAFEE | C,<br>DR..GNANAKOUSA<br>LYA L,<br>DR.NALINIJOSEPH<br>ROHINI, G SHAIKH<br>, SHARIQUE S.<br>THIAGARAJAN, R | DETECTION OF SPOOFING<br>VULNERABILITY IN<br>REVOLUTIONARY IOT<br>NETWORKS TO<br>AUGMENT SECURITY<br>MECHANISM | 1195393/Canada | Granted on<br>22/11/2022 |

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| 10. | KCG college of Technology, Dr. K.Nirmala Devi, Dhivya P, Divya J, Aishwarya Prakash S,            | Dr. K. Nirmala Devi, Dhivya P, Divya J, Aishwarya Prakash S, | Exam Assisting Robot                                                                         | 32219/2021-CO/L | Granted on 01-01-2023 |
| 11. | KCG College of Technology, Dr. T. Anuradha, Abubackar T, Dhakshayani P, Akash S                   | Dr. T. Anuradha, Abubackar T, Dhakshayani P, Akash S         | Fuzzy Logic Based Power Management For Small Scale Hybrid Wind Solar Battery Based Microgrid | 32223/2021-CO/L | Granted on 01-01-2023 |
| 12. | KCG College of Technology, Ms. Mabel Nirmala Joseph Abhila B, Delphin Periyannayagi M, Koushika M | Ms. Mabel Nirmala Joseph Abhila B, Delphin Periyannayagi M,  | Spam Detection System Using Supervised ML                                                    | 32217/2021-CO/L | Granted on 01-01-2023 |
| 13. | KCG College of Technology, Mr.Vasanthakumar V, Pradeepan K, Praveen S, Rajesh Kumar V             | Mr. Vasanthakumar V, Pradeepan K, Praveen S, Rajesh Kumar V  | Detection Of Plant Diseases Using Image Processing And Image Recognition                     | 32218/2021-CO/L | Granted on 01-01-2023 |

**List of German Patents Granted**

|                                                               |                                                                                                                                  |                                                                                        |                                                                                                                      |                                   |                                         |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------------|
| 1.                                                            | KCG College of Technology,<br>Dr.R.Dhanalakshmi, S.                                                                              | Dr.R.Dhanalakshmi,                                                                     | A SINGLE SIGN-ON<br>AUTHENTICATION                                                                                   | 202022100352.1<br>&               | 01/04/2022                              |
| 2.                                                            | KCG College of Technology<br>Dr Parvathy,<br>Dr.P.DeivaSundari<br>Dr.R.Dhanalakshmi,<br>Dr.Kavitha Balamurugan,<br>Dr.T.Anuradha | Dr.P.DeivaSundari<br>Dr.R.Dhanalakshmi,<br>Dr.Kavitha<br>Balamurugan,<br>Dr.T.Anuradha | A SYSTEM TO MANAGE<br>MEDICAL DATA                                                                                   | 202022100362.9<br>&<br>25/01/2022 | 01/04/2022                              |
| 3.                                                            | KCG College of<br>Technology,HITS                                                                                                | Dr. Mariyappan<br>Shanmugam,<br>Professor, Physics                                     | WEAVABLE- WEARABLE<br>FIBER SOLAR CELLS FOR<br>SMART<br>NANOTEXTILES                                                 | 202022100909 &<br>17/02/2022      | 13/09/2022                              |
| 4.                                                            | KCG College of<br>Technology,HITS                                                                                                | KCG, HITS, Dr.Aby<br>Sam, Dr.Linu Sam,<br>Dr.D.Easu,<br>Dr.Amrutha R                   | A suspension system that<br>uses a magnetorheological<br>liquid damper and a hybrid<br>magnet<br>used to reduce road | 202022105151.8<br>&<br>13/08/2022 | 22/09/2022                              |
| <b>List of Designs Granted (National &amp; International)</b> |                                                                                                                                  |                                                                                        |                                                                                                                      |                                   |                                         |
| 1.                                                            | 1.DR. V.VANDHANA DEVI<br>2. DR. ANTHATI                                                                                          | 1.DR.<br>V.VANDHANA                                                                    | A WATER PURIFYING<br>AND FLAVOR INFUSION                                                                             | 347809-001 &<br>11/08/2021        | Indian design Granted on<br>15- 09-2022 |

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| 2. | 1. <a href="#">Mr.</a> Sadasivam 2. Mr. Srinisan Selvaraj 3.Dr.Kavitha Balamurugan 4. Dr.J.Sudhakar     | 1. <a href="#">Mr.</a> Sadasivam 2. Mr. Srinisan Selvaraj 3.Dr.Kavitha Balamurugan 4. Dr.J.Sudhakar | Blood Oxygen Saturation Meter              | 379280-001 & 14/02/2023 | Indian design Granted on 11- 05-2023 |
| 3. | 1. Dr.Anuradha. T<br>2. Dr.M.Geethalakshmi<br>3. Mr.Hitesh Gupta<br>4. Mr. M. Arun<br>5. Dr. Jose Anand | 1. Dr.Anuradha. T<br>2. Dr.M.Geethalakshmi<br>3. Mr.Hitesh Gupta<br>4. Mr. M. Arun                  | Steering wheel for Electric vehicle        | 380510-001 & 01-03-2023 | Indian design Granted on 19-05-2023  |
| 4. | Audrey Lye Yee Sin, Dr. Sivakumar Arumugam, Dr. Anuradha Thangavelu, Dr.Fanax Femy, Dr. Apash Roy       | Audrey Lye Yee Sin, Dr. Sivakumar Arumugam, Dr. Anuradha Thangavelu,                                | Belt For School Children Safety            | 6315132& 26-09-2023     | UK design Granted on 03-10- 2023     |
|    |                                                                                                         | Dr.Fanax Femy, Dr. Apash Roy                                                                        |                                            |                         |                                      |
| 5. | Dr. Tahseen Anwer Arshi, Dr. Sheba Kezia Malarchelvi Paul Devadoss Dr.T.Anuradha, Anitha Ramachandran   | Dr. Tahseen Anwer Arshi, Dr. Sheba Kezia Malarchelvi Paul Devadoss Dr.T.Anuradha,                   | Smart Trolley with Product Tracking Device | 6319898 & 19-10-2023    | UK design Granted on 26-10- 2023     |



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| 6. | Shahnawaz Ayoub, Srinagar, IN; Dhandapani Chinnaswamy, Gudiyatham, IN; Minakshi Dattatraya Bhosale, Khed, IN; Anand Deva Durai Chelladurai, Dindigul, IN; Rachamadugu | Shahnawaz Ayoub, Srinagar, IN; Dhandapani Chinnaswamy, Gudiyatham, IN; Minakshi Dattatraya Bhosale, Khed, IN;                               | Compact and Foldabl Chair Embedded with IoT and Remote Control Access | 402022100707-0001 & 20.09.2022 | German Design on 30.01.2023     |
| 7. | Address<br>Dr. Sattanathan Jayakumar, Mrs. Hema Shubraja Jawahar Babu, Martin Joel Rathnam, Dr. Karthik Gunna, Dr. Prasath Raveendran, Dr. Ashok Kumar                | Dr. Sattanathan Jayakumar, Mrs. Hema Shubraja Jawahar Babu, Martin Joel Rathnam, Dr. Karthik Gunna, Dr. Prasath Raveendran, Dr. Ashok Kumar | Computer Webcam with Motion Detection Unit                            | 6322565 & 28-10-2023           | UK Granted on 7th November 2023 |

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| 8.  | 1.Ms. M.S. Vinu 2. Mr. Shaikh Rajesh Ali 3.Dr. Kumar Rahul 4.Dr. Chita Ranjan Sahoo 5.Dr. K. Karthika 6.Dr. Aaron Kevin Cameron Theoderaj 7.Dr. Harikumar Pallathadka                                          | 1.Ms. M.S. Vinu 2. Mr. Shaikh Rajesh Ali 3.Dr. Kumar Rahul 4.Dr. Chita Ranjan Sahoo 5.Dr. K. Karthika 6.Dr. Aaron Kevin Cameron Theoderaj                | PLANT ANTIMICROBIAL PROPERTIES ANALYSING DEVICE | 412998-001 & 08/04/2024 | Indian Design Granted on 29/05/2024 |
| 9.  | 1.Dr. Soumen Biswas 2. Dr. Anuradha Thangavelu 3.Jitha Varghese 4.Raju Sekar 5.Dr. Padmini Devi Balachandren 6.Tien Anh Tran 7.Gabriel Gomes De Oliveira                                                       | 1.Dr. Soumen Biswas 2. Dr. Anuradha Thangavelu 3.Jitha Varghese 4.Raju Sekar 5.Dr. Padmini Devi Balachandren 6.Tien Anh Tran 7.Gabriel Gomes De Oliveira | Shoe                                            | 404761-001 & 17/01/2024 | Indian Design Granted on 19/04/2024 |
| 10. | Dr. Uma Ravi Sankar Yalavarthy, Dr. Karuna Nidhan Singh, Dinesh Chandramohan, Pramod Kumar Singh, Shailandra Kumar Prasad, Shaik Johny Basha, Davinder Kumar, Balaji Subramanian, Prem Chandra, Dr.Irissappane | Dr. Uma Ravi Sankar Yalavarthy, Dr. Karuna Nidhan Singh, Dinesh Chandramohan, Pramod Kumar Singh, Shailandra Kumar Prasad, Shaik                         | Battery Management Device For Electric Vehicle  | 6354450 & 22-03-2024    | UK Granted on 07-05-2024            |

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|     |                                                                                                  | Subramanian, Prem<br>Chandra,<br>Dr.Irissappane<br>Dhanusu Soubache                                |                                                                       |                            |                                        |
| 11. | 1.Dr.S.Arunkumar 2.<br>Dr.R.Ashok Kumar<br>3.Dr.C.Bibin 4.Dr.S.Gopinath                          | 1.Dr.S.Arunkumar 2.<br>Dr.R.Ashok Kumar<br>3.Dr.C.Bibin<br>4.Dr.S.Gopinath                         | MULTI AXIS CNC<br>MILLING MACHINE                                     | 407501-001 &<br>14/02/2024 | Indian Design Granted<br>on 26/04/2024 |
| 12. | 1.Mrs. Esther Tamilarasan 2.<br>Mrs.<br>T.Chitra 3.Dr.V. K.<br>Shanmuganathan 4.Dr.<br>Anuradha. | 1.Mrs. Esther<br>Tamilarasan 2. Mrs.<br>T.Chitra 3.Dr.V. K.<br>Shanmuganathan<br>4.Dr. Anuradha. T | BIOSENSOR BASED<br>DEVICE TO DETECT<br>LUNG CANCER                    | 408151-001 &<br>20/02/2024 | Granted on<br>19/04/2024               |
| 13  | 1.Dr. Avinash Malladi2. Dr. S.K                                                                  | 1.Dr. Avinash Malladi                                                                              | SPECIALIZED BED WITH<br>ROBOTIC CLAMPING<br>FOR MEDICAL<br>PROCEDURES | 399213-001 , 04/11/        | 399213-001 , 04/11/2023                |

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| 14 | Dr.Susibal Roselin Mary,<br>Mrs.Kolappapillai Rejini,<br>Dr.Vijayalakshmi Thanammal<br>Indu, Dr.SathishKumar<br>Saumiya, Mrs. Balakrishnan<br>Anushlin Leena, Dr.Berakhah<br>Florence Stanley,<br>Dr.Ravindran Ramkumar | Dr.Susibal Roselin<br>Mary,<br>Mrs.Kolappapillai<br>Rejini,<br>Dr.Vijayalakshmi<br>Thanammal Indu,<br>Dr.SathishKumar<br>Saumiya, Mrs.<br>Balakrishnan<br>Anushlin Leena,<br>Dr.Berakhah<br>Florence Stanley. | AI BASED PLANT<br>EXTRACT ANALYSING<br>DEVICE TO IDENTIFY<br>DISEASED PLANTS | 6398480 & 17 Octo  | UK Design Grant date: 28<br>October 2024 |
| 15 | Dr.S.Yaknesh, Dr. N.<br>Rajamurugu, Dr.<br>Dharmahinder Singh Chand                                                                                                                                                     | Dr.S.Yaknesh, Dr. N.                                                                                                                                                                                          | Aircraft Wing Design for<br>Improved Aerodynamic<br>efficiency               | 421821-001 & 1/7/2 | Indian Design granted on<br>22/8/2024    |