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S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR).

KAMARAJ RESEARCH & DEVELOPMENT CELL – IPR CELL

LIST OF PATENTS

| S. NO | STAFF NAME | DEPARTMENT | PATENT NO /APPLICATION NO | DATE OF FILING | TITLE OF THE INNOVATION | INDIAN / INTERNATIONAL | SELF / INSTITUTIONAL PATENT | STATUS (PUBLISHED/AWARDED) | PUBLISHED ON DD/MM/Y | AWARDED ON DD/MM/Y |
|-------|---|------------|---------------------------|----------------|--|------------------------|-----------------------------|----------------------------|----------------------|--------------------|
| 1 | INNASI MUTHU GANESH MOORTHY, ANANT ACHARY | BT | 318480 | 03/01/2014 | AN ALKALINE PROTEASE ENZYME PURIFYING, RECOVERING APPARATUS AND PROCESS THEREOF | INDIAN | INSTITUTIONAL | GRANTED | 7/29/2016 | 8/20/2019 |
| 2 | RONALDO ANUF. A AND GANESH MOORTHY. I, SHYAM KUMAR. R | BT | 355156 | 24/04/2017 | EFFECTIVE BIOLOGICAL DELIGNIFICATION OF NOXIOUS LIGNOCELLULOSIC SUBSTRATE PROSOPIS JULIFLORA FOR BIOETHANOL PRODUCTION WITH NEWLY ISOLATED PAECILOMYCES SP. GARJ | INDIAN | INSTITUTIONAL | GRANTED | 10/26/2018 | 01/01/2021 |
| 3 | DR.K.SAKTHIRAJ | PHYSICS | 377808 | 9/12/2020 | A SIMPLE METHOD TO SYNTHESIZE CERIUM OXIDE NANOMATERIAL WITH ENHANCED ELECTROCHEMICAL PROPERTIES | INDIAN | SELF | GRANTED | | 24/09/2021 |
| 4 | MR. D. VENDHAN | IT | 2021107057 | 24/08/2021 | NODE DISCOVERY MECHANISM FOR IOT CAPILLARY NETWORKS | INTERNATIONAL-AUS | SELF | GRANTED | | 17/11/2021 |

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|----|---------------------------------------|-----|--------------|-----------|---|-------------------|------|-----------|------------|--|
| 5 | DR.A.RAJAVEL | EIE | 2021102178 | | CHALLENGE RESPONSE AUTHENTICATION MECHANISM WITH DYNAMIC QUESTIONS AGAINST BLIND ATTACKS FOR COGNITIVE IOT NETWORKS | INTERNATIONAL-AUS | SELF | GRANTED | 02-06-2021 | |
| 6 | MRS.P.SWATHIKA | CSE | 2021100847 | | BLOCKCHAIN BASED MULTIPLE AUTHORITIES SIGNATURE MODEL FOR INDUSTRIAL IOT APPLICATIONS | INTERNATIONAL-AUS | SELF | GRANTED | 07.04.2021 | |
| 7 | DR. D. PRINCE WINSTON, DR. S. KALYANI | EEE | 201841019063 | 22/5/2018 | A NOVEL METHOD FOR EARLY DETECTION OF POWER QUALITY DISTURBANCES USING ARDUINO | INDIAN | SELF | PUBLISHED | 25-05-2018 | |
| 8 | DR. D. PRINCE WINSTON | EEE | 201841019065 | 22/5/2018 | REDUCED LEG VOLTAGE MISMATCH METHOD FOR TEMPORARY OR PERMANENT FAULTED PV SYSTEMS | INDIAN | SELF | PUBLISHED | 25-05-2018 | |
| 9 | DR. D. PRINCE WINSTON, DR. S. KALYANI | EEE | 201841019073 | 22/5/2018 | COUPLE MATCHING AND CURRENT INJECTION BASED PV CIRCUIT FOR PARTIALLY SHADED PV SYSTEMS | INDIAN | SELF | PUBLISHED | 25-05-2018 | |
| 10 | DR. K.MUTHU LAKSHMI | EEE | 201841019069 | 22/5/2018 | BRUSHLESS DC MOTOR CONTROLLING IN ELECTRIC VEHICLE SYSTEM USING RAPID MODEL PREDICTIVE AND MODULATION | INDIAN | SELF | PUBLISHED | 25-05-2018 | |


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| 11 | DR. D. PRINCE WINSTON | EEE | 20194102 2566 | 7/6/2019 | FABRICATION OF MULTI JUNCTION BOX PV MODULES FOR POWER ENHANCEMENT DURING FAULTY CONDITIONS | INDIAN | SELF | PUBLISHED | 14-06-2019 | |
| 12 | DR. D. PRINCE WINSTON | EEE | 20204101 0211 | 10/03/2020 | SYSTEM AND METHOD TO GENERATE ELECTRIC POWER FROM PARKED ELECTRIC VEHICLES | INDIAN | SELF | PUBLISHED | 24-04-2020 | |
| 13 | DR. D. PRINCE WINSTON | EEE | 20204103 1036 | 21/7/2020 | A CIRCUIT ARRANGEMENT AND A METHOD FOR GENERATING POWER USING SOLAR PV | INDIAN | SELF | PUBLISHED | 04-09-2020 | |
| 14 | DR. D. PRINCE WINSTON PRINCE WINSTON, DR. S. KALYANI | EEE | 20184101 9064 | 22/5/2018 | POWER ENHANCEMENT IN SOLAR PV SYSTEMS BY COCONUT COIR AND WASTE POLYETHYLENE BAGS | INDIAN | SELF | PUBLISHED | 25-05-2018 | |
| 15 | DR.A.MEENAKSHI | CSE | 20214102 2119 | 17/05/2021 | SOILLESS AGRICULTUTRAL MONITORING AND CONTROLLING BASED ON IOT | INDIAN | SELF | PUBLISHED | 11.6.2021 | |
| 16 | DR.N.M.MARY SINDHUJA | ECE | 20214104 6662 | 13/10/21 | COMPACT SPACE FILLING CURVE BASED RF MEMS PHASE SHIFTERS FOR 5G APPLICATIONS | INDIAN | SELF | PUBLISHED | 31-12-2021 | |
| 17 | MR.R.ASHOK & MR.R.RAJPRABU | ECE | 20214106 1249 | 28/12/21 | WIRELESS SENSOR NETWORK FOR LONG-TERM ENVIRONMENTAL CHECKING FOR INTERNET OF THINGS APPLICATION | INDIAN | SELF | PUBLISHED | 14-01-2022 | |


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| 18 | MS. D. KAYATHRI DEVI | IT | | | DETECTION OF CYBER SECURITY THREATS USING AI | INDIAN | SELF | PUBLISHED | 11-03-2022 | |
| 19 | MRS.S.ATHILAKSHMI | CSE | 20224101 9290 | 31/3/22 | PLANT LEAF DISEASES DETECTION USING MACHINE LEARNING AND INTERNET OF THINGS | INDIAN | SELF | PUBLISHED | 08-04-2022 | |
| 20 | DR.M.SUDALAIMANI MR.R.GANESHAN MR.K.GANESHAN MR.A.KARTHIKEYAN MR.S.JEGAN | EEE | 20224101 6757 | 24/3/22 | SMART PULSE METER WITH AUDIBLE READING FOR PATIENTS WITH VISUAL IMPAIRMENTS | INDIAN | SELF | PUBLISHED | 08-04-2022 | |
| 21 | Dr.K. KANNAN Dr. G. SAKTHIVEL | MTR E | 20224102 4387 | 26-04-22 | OIL RECOVERY SYSTEM FROM UNDERWEIGHT POUCHES | INDIAN | SELF | PUBLISHED | 13-05-22 | |


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| 22 | DR. R. ARTHY, MS. V. DEEPA PRIYA, MS. V. DEEPA PRIYA, DR. P. SUBATHRA, DR. E. VAKAIMALAR, MR. D. VENDHAN, MR. C. RAJ KANNAN, MR. C. RAJ KANNAN | CSE | 202241027029 | 10/05/2022 | M-IOT, GPS BASED SMART TRAFFIC MANAGEMENT SYSTEM USING BLOCK CHAIN TECHNOLOGY | INDIAN | SELF | PUBLISHED | 20/05/2022 | |
| 23 | SUDALAIMANI, DR.S.GANDHI, DR.R.BASKARAM, DR.M.G.SRIBALA | PT | 202241019849 | 01/04/2022 | USAGE OF PET BOTTLE FILLED WITH ENVIRONMENTAL WASTE AS BRICKS FOR CONSTRUCTING WALL | INDIAN | SELF | PUBLISHED | 22/04/2022 | |
| 24 | MS.V.SUTHAJEBAKUMARI | CSE | 202041053804 | 10/12/2020 | IOT BASED DESIGN FOR BRAIN TUMOR DETECTION AND ANALYSIS WITH ADVANCED IMAGING TECHNIQUES ON MRI IMAGES | INDIAN | SELF | PUBLISHED | 22/01/2021 | |

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| 25 | Dr. A. RAJAVEL, Er. J. UMA MAHESWARI | EIE | 20224102 2719 | 18/04/2022 | THEFT AVOIDANCE AND AUTOMATION OF AUTOMOBILES USINGMYRIO | INDIAN | SELF | PUBLISHED | 06/05/2022 | |
| 26 | Dr.R.LAKSHMI, Mr.P.PONKARTHIKEYA N | CIVI L | 20224102 8226 | 17/05/2022 | ECO FRIENDLY TERNARY BLEND PAVER BLOCK USING RICE HUSK ASH, FLY ASH, AND FOUNDRY SAND | INDIAN | SELF | PUBLISHED | 27/05/2022 | |
| 27 | KARTHIKUMAR SANKAR, R.SHYAM KUMAR, I.GANESH MOORTHY, R.S.VISHUNU SHAGAR, R.AKASH, G.JANAKIRAMAN | CHE | 20224102 6854 | 10/05/2022 | A PROCESS OF IMPROVEMENT IN ACTIVITY RETENTION ANDCOLOR STABILITY OF C-PHYCOCYANIN DURING OHMIC HEA | INDIAN | SELF | FILED | | |


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| 28 | KARTHIKUMAR SANKAR, R.SHYAM KUMAR, T.GAYATHIRI, K.NANDHINI, M.RAGAMBIGAI, A.DHOSIJA | CHE | 20224102 4952 | 28/04/2022 | A METHOD FOR C-PHYCOCYANIN FORTIFIED DRIED AGAR ANDGELATIN BASED HYDROCOLLOIDS AND THE PROCESS THER | INDIAN | SELF | FILED | | |
| 29 | DR.B.PRABHU | MEC H | 20224102 7891 | 14/05/2022 | SPEED BREAKER WITH MECHANIZED BARRICADE SYSTEM | INDIAN | SELF | FILED | | |
| 30 | D.PRINCEWINSTON, B.GURUKARTHIK BABU, G.SAKTHIVEL, S.RAMESH PRABHU, T.HARIHARASUHAN, S.SURIYAKALA, M.PRAVIN, | EEE | 364426-001 | 19/05/2022 | SOLAR CELL - DESIGN PATENT | INDIAN | SELF | GRANTED | | 06/01/2023 |


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|-------|---|-------------------|---------------------------|----------------|---|------------------------|-----------------------------|----------------------------|----------------------|--------------------|
| 31 | R.MANIKUMAR, A. ASHA A.RAJESH KANNAN S. FHAZIL RAJA P. MON VIKANTH | MECH | 399456 | 15/10/2013 | A MECHANICAL HEART PUMP MACHINE | INDIAN | INSTITUTIONAL | GRANTED | 24/04/2015 | 17/06/2022 |
| 32 | Dr.S.JEYADEVI, Dr.S.KALYANI, K.GANESAN, R.GANESAN, S.JEGAN, T.HARIPRASATH, P.RAMALAKSHMI | EIE EEE ECE | 20224106 3328 | 06/11/2022 | A RAPID CHARGING AND DISCHARGING CONTROL METHOD FOR ELECTRIC VEHICLES BASED ON MACHINE LEARNING | INDIAN | SELF | PUBLISHED | 18/11/2022 | |


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| 33 | Ms. K. LEELARANI, Ms. S. SHOPIKA | CSE | 20221107 0169 | 05/12/2022 | BLEEDING RECOGNITION TECHNIQUE IN WIRELESS CAPSULE ENDOSCOPY IMAGES USING FUZZY LOGIC AND PRINCIPAL COMPONENT ANALYSIS | INDIAN | SELF | PUBLISHED | 30/12/2022 | |
| 34 | Ms. S. JANANI, Mrs. J. LAVANYA | CSE | 20234100 4327 | 22/01/2023 | A SYSTEM FOR DIAGNOSING A PATIENT BY USING PREVIOUS MEDICAL HISTORY BASED ON CONVOLUTIONAL NEURAL NETWORK AND WORKING METHOD THEREOF | INDIAN | SELF | PUBLISHED | 17/02/2023 | |
| 35 | S. KARTHIKUMAR, R. SHYAM KUMAR, R. SUYAMBUESWAR, I.SAHANA ANBUKANI, B. JEYAVARSHINI, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY | BT | 381088- 001 | 09/03/2023 | ALGAE-ASSISTED DESALINATION CELL (DESIGN PATENT) | INDIAN | SELF | UNDER EXAMINAT ION | | |


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| CATEGORY | TOTAL COUNT |
|--|--------------------|
| PATENT – GRANTED (INDIA) | 5 |
| PATENT – GRANTED (INTERNATIONAL: AUSTRALIA) | 3 |
| PATENT – PUBLISHED | 23 |
| PATENT - FILED | 4 |
| TOTAL RECORDS | 35 |

A handwritten signature in blue ink, appearing to be "S. P. G. C.", is written over a horizontal line.

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A handwritten signature in red ink, appearing to be "D. S.", is written over a horizontal line.

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