



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

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



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

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

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. D. PRINCE WINSTON	EEE	201941022566	7/6/2019	FABRICATION OF MULTI JUNCTION BOX PV MODULES FOR POWER ENHANCEMENT DURING FAULTY CONDITIONS	INDIAN	SELF	PUBLISHED	14-06-2019	

LIST OF PATENTS

11	DR. D. PRINCE WINSTON	EEE	202041010211	10/03/2020	SYSTEM AND METHOD TO GENERATE ELECTRIC POWER FROM PARKED ELECTRIC VEHICLES	INDIAN	SELF	PUBLISHED	24-04-2020	
12	DR. D. PRINCE WINSTON	EEE	202041031036	21/7/2020	A CIRCUIT ARRANGEMENT AND A METHOD FOR GENERATING POWER USING SOLAR PV	INDIAN	SELF	PUBLISHED	04-09-2020	
13	DR. D. PRINCE WINSTON PRINCE WINSTON, DR. S. KALYANI	EEE	201841019064	22/5/2018	POWER ENHANCEMENT IN SOLAR PV SYSTEMS BY COCONUT COIR AND WASTE POLYETHYLENE BAGS	INDIAN	SELF	PUBLISHED	25-05-2018	
14	DR.A.MEENAKSHI	CSE	202141022119	17/05/2021	SOILLESS AGRICULTURAL MONITORING AND CONTROLLING BASED ON IOT	INDIAN	SELF	PUBLISHED	11.6.2021	
15	DR.N.M.MARY SINDHUJA	ECE	202141046662	13/10/21	COMPACT SPACE FILLING CURVE BASED RF MEMS PHASE SHIFTERS FOR 5G APPLICATIONS	INDIAN	SELF	PUBLISHED	31-12-2021	
16	MR.R.ASHOK & MR.R.RAJPRABU	ECE	202141061249	28/12/21	WIRELESS SENSOR NETWORK FOR LONG-TERM ENVIRONMENTAL CHECKING FOR INTERNET OF THINGS APPLICATION	INDIAN	SELF	PUBLISHED	14-01-2022	
17	MS. D. KAYATHRI DEVI	IT			DETECTION OF CYBER SECURITY THREATS USING AI	INDIAN	SELF	PUBLISHED	11-03-2022	
18	MRS.S.ATHILAKSHMI	CSE	202241019290	31/3/22	PLANT LEAF DISEASES DETECTION USING MACHINE LEARNING AND INTERNET OF THINGS	INDIAN	SELF	PUBLISHED	08-04-2022	



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

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

19	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	
20	Dr.K. KANNAN Dr. G. SAKTHIVEL	MTRE	20224102 4387	26-04-22	OIL RECOVERY SYSTEM FROM UNDERWEIGHT POUCHES	INDIAN	SELF	PUBLISHED	13-05-22	
21	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	20224102 7029	10/05/2022	M-IOT, GPS BASED SMART TRAFFIC MANAGEMENT SYSTEM USING BLOCK CHAIN TECHNOLOGY	INDIAN	SELF	PUBLISHED	20/05/2022	



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

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

22	SUDALAIMANI, DR.S.GANDHI, DR.R.BASKARAM, DR.M.G.SRIBALA	PT	20224101 9849	01/04/2022	USAGE OF PET BOTTLE FILLED WITH ENVIRONMENTAL WASTE AS BRICKS FOR CONSTRUCTING WALL	INDIAN	SELF	PUBLISHED	22/04/2022	
23	MS.V.SUTHAJEBAKUM ARI	CSE	20204105 3804	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	
24	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	



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

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

25	Dr.R.LAKSHMI, Mr.P.PONKARTHIKEYA N	CIVIL	20224102 8226	17/05/2022	ECO FRIENDLY TERNARY BLEND PAVER BLOCK USING RICE HUSK ASH, FLY ASH, AND FOUNDARY SAND	INDIAN	SELF	PUBLISHED	27/05/2022	
26	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	PUBLISHED	17/11/2023	
27	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	PUBLISHED	03/11/2023	



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

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

28	DR.B.PRABHU	MECH	20224102 7891	14/05/2022	SPEED BREAKER WITH MECHANIZED BARRICADE SYSTEM	INDIAN	SELF	PUBLISHED	17/11/2023	
29	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
30	R.MANIKUMAR, A. ASHA A.RAJESH KANNAN S. FHAZIL RAJA P. MON VIKANTH	MECH	399456	15/10/2013	A MECHANICAL HEART PUMP MACHINE	INDIAN	INSTITU TIONAL	GRANTED	24/04/2015	17/06/2022



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

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

31	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	
32	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	
33	Dr. K KANNAN, Dr. M PRITHIVIRAJ. Mr. R RAJPRABU, Mr. S DAVID BLESSLEY, Dr. S JEYA DEVI	MTRE, ECE, EIE	375461- 001	12/12/2022	SPACER WITH STRIP SLOT FOR TUBELESS TIRE (DESIGN PATENT)	INDIAN	SELF	GRANTED		20/03/2023



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

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

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 EXAMINATION		
36	S. KARTHIKUMAR, R. SHYAM KUMAR, KARL JOSEPH SAMUEL, M.GURU HARISH, R.HARISMA, M.JAYSHRI MALINI, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY	BT	381952-001	21/03/2023	ALGAE ASSISTED FUEL CELL (DESIGN PATENT)	INDIAN	SELF	UNDER EXAMINATION		



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

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

37	MRS.R.INDHUJA	CSE	20224106 8659	29/11/2022	DESIGN WEB SERVER TO CLIENT COMMUNICATION FOR WEB USAGE DATA ANALYSIS	INDIAN	SELF	PUBLISHED	02/12/2022	
38	DR. S. THANGA KASI RAJAN, DR. J. RAJESH BABU , DR. M. PRITHIVIRAJ, MR. D. PALANIKUMAR, MR. A. SANKARA NARAYANA MURTHY, DR. K. J. NAGARAJAN, MR.V. SANTHOSH, MR. M. BHARATH, MR. K. RAHUL	MECH	383166- 001	06/04/2023	SOLAR ELECTRIC VEHICLE (DESIGN)	INDIAN	SELF	UNDER EXAMINAT ION		



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

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

39	Dr.R.MUTHUSELVI, Dr.G.NIRMALA, B.MUTHUKRISHNA VINAYAGAM, Dr.S.KARTHIKUMAR, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY	CSE & BT	20234103 3997	15/05/2023	AUTOMATIC TEMPERATURE CONTROL IN A WATER DISPENSER	INDIAN	SELF	PUBLISHED	23.06.2023	
40	Dr.A.RAJAVEL, Er.J.UMA MAHESWARI, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY	EIE	20234103 4307	16/05/2023	FOOD QUALITY MONITORING SYSTEM USING AURDINO	INDIAN	SELF	PUBLISHED	30.06.2023	
41	Ms. P. KAVIYA, Dr. R. ARTHY, Ms. A. GANGA, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY	IT, BT	20234103 6712	27/05/2023	In-situ AUTOMATED GREENHOUSE MONITORING AND CONTROLLING SYSTEM	INDIAN	SELF	PUBLISHED	01.09.2023	



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

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

42	K.MUTHULAKSHMI, R.RAMYA, A.ANANDH, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY	CSE	20234104 5989	08/07/2023	A MOBILE APPLICATION BASED BUS TRACKING DEVICE	INDIAN	SELF	FILED		
43	Dr.R.PRAVEEN KUMAR, Dr.R.RAMYA, Dr.A.ANANDH, Mr.B.MUTHUKRISHNA VINAYAGAM, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY	CSE	20234104 7368	13/07/2023	THE CLOSED E-WALLET WITH VOICE-OVER SMART SOUND BOX	INDIAN	SELF	PUBLISHED	01.09.2023	
44	KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, D.PRINCE WINSTON, B.GURUKARTHIK BABU, S. RAMESH PRABHU, M.PRAVIN, R.SAKTHIVEL	EEE	390540- 001	18/07/2023	FLIPPABLE SOLAR PANEL (DESIGN)	INDIAN	SELF	UNDER EXAMINAT ION		



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

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

	MURUGAN, R.MARSHAL, P.PANDIMUNI, P.ARAVIND, S.KAVITHA									
45	DR M PRITHIVIRAJ, MR R RAJPRABU, DR K KANNAN, DR S SENTHIL, MS M SANGEETHA LAKSHMI	MECH ECE MTR	387284- 001	30/05/2023	INCENSE BURNER (DESIGN PATENT)	INDIAN	SELF	GRANTED	-	06.09.2023
46	DR.T.PANDISELVI, MS.C.NAGAVANI, DR.N.M.MARY SINDHUJA	ECE	20234105 5582	18/08/2023	IoT ENABLED ENERGY EFFICIENT ADVANCED 6G COMMUNICATION NETWORK SYSTEM	INDIAN	SELF	PUBLISHED	01/09/2023	
47	KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY, N.M.MARY SINDHUJA, T.PANDI SELVI, C.NAGAVANI, R.RAJPRABHU,	ECE		19/02/2024	MICROSTRIPARRAY ANTENNA USING SPACE FILLING CURVE (DESIGN PATENT)	INDIAN	SELF	FILED		



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

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

	R.ASHOK, R.MATHU MIETHA, , T.N.AVUSHATHA, V.KARTHIKADEVI									
48	S.THANGAKASIRAJAN, J.RAJESH BABU, G.ANAND, M.DINESH KARTHICK, P.THIRUMURUGAN,P.SU RESHKUMAR, B.K.PARRTHIPAN, S.ALWYN RAJIV, S.SENTHIL, R.SURESH BABU, D.PRINCE WINSTON	MECH, MTR, ECE, PT, EEE	408543- 001	23/02/2024	AN INNOVATIVE DESIGN IN LUGGAGE RACK WITH FOLDABLE SOLAR PANEL FOR E-VECHILE (DESIGN PATENT)	INDIAN	SELF	FILED		
49	T.SHUMYUKTHA, S.KARTHIKUMAR, R.SHYAM KUMAR	BT	408638- 001	24/02/2024	HYDRODYNAMIC DESIGN FOR MICROPLASTIC RECOVERY (DESIGN PATENT)	INDIAN	SELF	FILED		



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

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

50	B.JEYAVARSHINI, S. KARTHIKUMAR, M. YAGNA DEVI., R. SHYAM KUMAR, S.THANGA KASI RAJAN, M.DINESH KARTHICK, G.ANAND, P.THIRUMURUGAN	BT	409883- 001	08/03/2024	ENERGY EFFICIENT SMART SOLAR DRYER WITH DEHUMIDIFIER (DESIGN PATENT)	INDIAN	SELF	FILED		
----	---	----	----------------	------------	--	--------	------	-------	--	--