

**Sri Krishna College of Engineering and Technology  
Coimbatore**

**Patent details for the Year 2021-2022**

**Patent Details**

Sl. No.	Patent Details	Patent status	Patent No.	Date of Award
1	The Influence of Different Treatments Applied to Flax Fibbers on different Properties of Mortar Reinforced by these Fibers-D.Maruthachalam	Published	202141028760 A	9/7/2021
2	An Artificial Intelligence based Water Management System ensuring Uniform Distribution and Monitoring Water Leakage-S. C. Boobalan	Published	202141036904 A	20/8/2021
3	RESISTIVE IMBIBED MESH SENSOR BASED CONCRETE STRUCTURE STRENGTH MONITORING SYSTEM EMPLOYING IOT -S. Ramakrishnan & P.Saravanakumar	Published	202141052457 A	10/12/ 2021
4	Plastering Tool for rounding wall corners-R. Vighnesh, M. R. Ezhil Kumar, A. Aswin Bharath and S. Ramakrishnan	Published	202241004825	02-02-2022
5	Low-Cost potable water purifier-V. Yogeshwaran & M.R. Ezhilkumar	Published	202241015663 A	15/04/2022
6	Automatic Smart Attendance Management System Based on Face Recognition using Deep Learning-J.Omana R.Meena Dr.S.S.Arumugam A.Subbarayudu Brahmdutt Bohra Nikhil Rajan Dr.R.Arokia Paul Rajan Dr.K.Sankar Dr.V.Vijeya Kaveri(SK CET) N.Nagarajan	Published	202141025155 A	25.06.2021

7	Real-Time Smartphone Tracking App of Virtual Cloud Server Based Healthcare Monitoring System for Emergency Service Using WBSN-1)Mr. Rajib Guhathakurta 2)Ms. S. S. Saranya 3)Ms. R. Gowthamani 4)Dr. Mudita Sinha 5)Dr. R. Swaminathan 6)Dr. K. Praghash 7)Dr. Nihar Ranjan Nayak 8)Dr. Beaulah David 9)Dr. M. Mythily 10)Mr. M. Manikandan 11)Mr. R. Regin 12)Dr. S. Sudhakar	Published	202141033362 A	06.08.2021
8	Advanced traffic light violation monitoring system based on GSM technology- Ms.R.Gowthamani	Published	202141043270	01.10.2021
9	Ms.N.Pooranam Ms.S.Nagajothi Ms.J.Boopala Mr.T.Vignesh	Published	202141054837	10.12.2021
10	FABRIC DEFECT DETECTION USING DEEP CONVOLUTIONAL NEURAL NETWORK AND MONITORING WITH INDUSTRIAL INTERNET OF THINGS-1)Dr. D. PRABHA 2)Dr. A. PUSHPALATHA 3)Ms. K. DEVIPRIYA 4)Dr. T. LATHA MAHESWARI 5)Dr. K. RAMA ABIRAMI 6)Ms. SOPHIA. B 7)Dr. V. VIJEYA KAVERI 8)Ms. S. MOHANA GOWRI 9)Ms. P. ANITHA 10)Ms. SRUTHI ANAND	Published	202141031086 A	16.07.2021
11	ARTIFICIAL INTELLIGENCE EMPLOYED TO CREATE A REVOLUTIONARY ENERGYEFFICIENT INTELLIGENT DEVICE FOR WEATHER OBSERVATION- Dr.T.A.Selvan(MCT) Ms.M.Rohini(CSE) Mr.S.MadhanKumar(MCT)	Published	202141057649 A	17/12/2021
12	Wearable IoT enabled Health Sensor framework system-Dr. T. Sujatha	Published	202141056936A	14.01.2022
13	IOT Based Intelligent Traffic Management System-Dr. Sajeev Ram Arumugam	Published	202131062286 A	04.02.2022

14	Machine Learning Based HR Automation Technique for better functioning of an Organization-Dr. S. Venkata Lakshmi	Published	202241008523 A	18.02.2022
15	AI based Prediction and Analysis of Key Performance Indicators (KPI) For Students using Data Science-Dr. S. Venkata Lakshmi Dr.J Janet Dr.T.Sujatha Dr.A.Sajeev Ram Dr.B.Kiruba	Published	202241008735 A	04.03.2022
16	AN ARTIFICIAL INTELLIGENCE BASED WATER MANAGEMENT SYSTEM ENSURING UNIFORM DISTRIBUTION AND MONITORING WATER LEAKAGE-1)Dr. G. EDWIN PREM KUMAR 2)Dr. M. LYDIA 3)Mr. S. C. BOOBALAN 4)Mr. K. ARUN PATRICK 5)Dr. E. BIJOLIN EDWIN 6)Dr. M. ROSHNI THANKA 7)Dr. B. ARUN KUMAR 8)Dr. K. SENATHIPATHI 9)Mr. MANSOOR HUSSAIN	Published	202141036904 A	20.08.2021
17	FABRIC DEFECT DETECTION USING DEEP CONVOLUTIONAL NEURAL NETWORK AND MONITORING WITH INDUSTRIAL INTERNET OF THINGS-1)Dr. D. PRABHA 2)Dr. A. PUSHPALATHA 3)Ms. K. DEVIPRIYA 4)Dr. T. LATHA MAHESWARI 5)Dr. K. RAMA ABIRAMI 6)Ms. SOPHIA. B 7)Dr. V. VIJEYA KAVERI 8)Ms. S. MOHANA GOWRI 9)Ms. P. ANITHA 10)Ms. SRUTHI ANAND	Published	202141031086 A	16.07.2021
18	Systems for remote monitoring and diagnostics of cyber/network security through machine learning-Dr.J.Janet,Dr.S.Balakrishnan, Dr.P.Kavitha Rani, Dr.S.Venkata Lakshmi, Dr.P.Mohankumar	German patent - Granted	20 2022103 041	08.06.2022
19	Design Application - Accepted- Dr.S.Bala Krishnan, Dr.J.Janet, Dr.P.Kavitha Rani, Dr.S.Venkata Lakshmi	Accepted	360965-001	19.08.2022
20	A.Albert Raj M. Karpagam S.Sasipriya D.Mohana Geetha V. Nandalal Venkatesalu Ramasamy Balaji C.Thirumarai Selvi D.Selvakumar B. Maruthi Shankar J.Rejina Pravin	Published	202141039901 A	24.09.2021

21	TECHNOLOGY ENABLED SEIZURE ALERTING MANAGEMENT SYSTEMS- 1 . Dr. S. Karthika 2 . Ms. K. Priyadharsini 3 . Mr. J.R. Dinesh Kumar 4 . Ms. D.V. Soundari 5 . Ms. D.Devi 6 . Ms. N. Nanthini 7 . Dr. M. Karpagam 8 . Ms. S. M. Asha Banu 9 . Ms. N. Kalaivani 10 . Ms. M. Kowsalya 11 . Mr. M. Rajeswaran 12 . Vignesh.T	Published	202141054654 A	10.12.2021
22	SMART HOME IN DIGITAL WORLD-1 . Ms. K. Priyadharsini 2 . Mr. L. Madhan Kumar 3 . Mr. J.R. Dinesh Kumar 4 . Ms. D.Devi 5 . Ms. N. Nanthini 6 . Ms. D.V. Soundari 7 . Dr. M. Karpagam 8 . Ms. S. M. Asha Banu 9 . Ms. N. Kalaivani 10 . Ms. A. Elakya 11 . Vignesh.T	Published	202141059111	28.01.2022
23	Eight- Element MIMO (multiple inputs, multiple outputs) systems for compact 5G Mobile-1)Dr.R.Thandaiah Prabu 2)Dr.P.Kalpana Devi 3)Mrs.A.Priya 4)Ms.G Saranya 5)Mr. N V Krishnamoorthy 6)Ms. Swarnalatha M 7)Mrs.M.Benisha	Published	202141059479 A	04.02.2022

24	5G ULTRA-DENSE CELLULAR COMMUNICATION NETWORKS-1. Dr.AjaykumarManilal Patel 2 . Dr .KetankumarDahyalal Patel 3 . Dr. HiralRajendrakumar Patel 4 . Mr. Amitkumar Baldevbhai Suthar 5 . Dr. V.Kannan 6 . Dr Chamandeeep Kaur 7 . Dr V M Gobinath 8 . Dr.V.Nandalal 9 . Dr. Manikandan.T 10 . Dr.B.KANAMMAI	Published	202221001141 A	11.03.2022
25	NOVEL THERMOGRAPHIC SCREENING WEARABLE GOGGLES-1)Ms. B. Anishfathima 2)Ms. S. Shrinithi 3)Ms. S. Srivarshini 4)Ms. B. Vidhya 5)Ms. H. Muneera Begum 6)Ms. C. Bagavathi 7)Ms. G. Saranya 8)Mr. J.R. Dinesh Kumar 9)Vignesh.T	Published	202241014191 A	25.03.2022
26	Design of a Novel Buck Converter to Mitigate the Electromagnetic Interference in Medical Applications-1) S Sasipriya 2) D Ruth Anita Shirley	Published	2022541015509 A	15.04.2022
27	AUSTRALIAN PATENT: MACHINE LEARNING IN SAFETY CRITICAL CYBER SECURITY SYSTEM-Dr.M.Rajkumar	Published	2021102449	6/9/2021
28	A SYSTEM AND METHOD BASED ON NEURAL NETWORK AND HIDDEN MARKOV MODELLING FOR PREDICTING DRUG PROPERTY-Dr.Keerthika T	Published	202141030994 A	16/7/2021
29	A METHOD OF SMART VEHICLE SAFETY AND SECURITY SYSTEM USING IOT-V.Sindhu	Published	202141034638	8/6/2021
30	AN ARTIFICIAL NEURAL NETWORK BASED WING MIRROR FOR VEHICLES-Dr.A.Kousalya Ms.Dharunya Santhosh Ms.R.Janani	Published	202141036868 A	20/8/2021
31	A Deep Leaning Framework for Azhemier Detection from MR images-Dr. S. Durga , Dr. S. Deepakanmani	Published	202141039318	24/9/2021
32	A Smart IOT based air cooler system with touch screen display unit-Dr.M.Arunachalam	Published	202141057895A	13/12/2021
33	Blockchain based Electronic record for Healthcare monitoring system-Ms.G.Shobana	Published	202241015271 A	19/03/22

34	AN IOT AND ARTIFICIAL INTELLIGENCE BASED SYSTEM FOR WHEEL CHAIR CONTROL-Mrs. R. Geethamani	Published	202141033560 A	06.08.2021
35	A MACHINE LEARNING BASED SYSTEM FOR CLASSIFICATION USING DEVIATION PARAMETERS-Karthika, J	Granted	2021107101	25.8.2021
36	AUTONOMOUS FIRE FIGHTING ROBOT-Dr.K.C.Ramya, Mr.N.Loganathan, Dr.Ramji Tiwari, Dr.M.Senthilkumar, Dr.P.Vinoth Kumar	Published	202141037496 A	24.09.2021
37	INTERNET OF THINGS BASED DOOR SECURITY ALARAM CONTROLLED BY GOOGLE ASSISTANT-DR. S. SIVARANJANI	Published	202141038239 A	03.09.2021
38	THE MODELING OF HYBRID SYSTEMS USED IN ELECTRIC VEHICLES-Dr. T. KOKILAVANI, Ms. D. Gunapriya	Published	202141038177 A	24.09.2021
39	ARTIFICIAL INTELLIGENCE BASED ROBOTICS TO CHECK MECHANICAL PRODUCT QUALITY IN MANUFACTURING INDUSTRY-Dr.R.Sumathi	Published	202141039696	10.09.2021
40	IMPLEMENTATION OF SMART MONITORING SYSTEM FOR LEAKAGE CURRENT AND EXCESS POWER HARVESTING SYSTEM FOR INDUSTRIAL APPLICATIONS-Mr.R.Kavin	Published	202141049933	11/26/2021
41	BI-LEVEL ENERGY MANAGEMENT SYSTEM WITH GRID REINFORCEMENT FOR SOLAR ENERGY-Mr.R.Kavin	Published	2021105856	11/3/2021
42	Photovoltaic Power Generation Structure with safety Diagnosis based on IoT- Dr. K. C. Ramya Dr. S. Sivaranjani Dr. G. Radhakrishnan	Published	202241011736 A	25.03.2022
43	EMBEDDED SYSTEMS BASED ANTI THEFT ATM MACHINE-Dr.J.Karthika	Published	202141055342 A	10.12.2021
44	DESIGN AND INVESTIGATION OF LOW POWER MULTI- THRESHOLD CMOS BASED STATIC-RAM CUBICLE FOR MODERN IOT APPLICATIONS-Dr. K. C. Ramya	Published	202141034519 A	06.08.2021
45	SOLAR POWERED CCTV CAMERA-Dr. K C RAMYA, Dr. S BALAKRISHNAN	Published	345117-001Design Patent	24.06.2022
46	LOW-COST FATIGUE TEST RIG-S. Madhankumar	Published	202141020063	11/6/2021
47	Sensor based Smart Belt-Vignesh T	Published	202141020773	11/6/2021
48	Industrial tools sterilization system-1)INDIRAPRIYADHARSHINI.J	Published	202141027199A	2.7.2021
49	Secured data transmission using improved crypto coding VLSI architecture-Vignesh T	Published	202131034322	20.08.2021
50	WI-FI Enabled smart dust bin for the benefit of municipality-Vignesh T	Published	202141032205	13.08.2021
51	Mechanical Seed Injector for agricultural applications-Vignesh T	Published	202141036932	20.08.2021

52	AI Based Anti-Theft Detection in Two Wheelers-Vignesh T Selvan	Published	202141036613	20.08.2021
53		Published	202141047926	29/10/2021
54	SOLENOID VALVE-S. Madhankumar	Published	202141051954	26/11/2021
55	Madhankumar	Published	202141051121	19/11/2021
56	AUTONOMOUS MOBILE ROBOT FOR MATERIAL HANDLING USING PHOTOELECTRIC SENSORS-K. Ananthi	Published	202141049970	19/11/2021
57	INTELLIGENT ARTIFICIAL INTELLIGENCE AND IOT POWERED EFFICIENT ENERGY MONITORING ARCHITECTURE FOR THE SMART	Published	202141049814	12/11/2021
58	INTERNET OF THINGS BASED INVENTION FOR INTELLIGENT IRRIGATION SYSTEM MONITORING AND CONTROLLING-S.	Published	202141049831	12/11/2021
59	based automatic face mask vending machine-Dr.M.Lydia	Published	202141049961A	19.11.2021
60	purification-M.Bhuvaneswari	Published	202141055392	10.12.2021
61	A smart application for night vision patrolling robot uisng cloud based IoT with CNN -D.Pritima	Published	202141043523	01.10.2021
62	AUTOMATIC HEADLAMP CONTROL SYSTEM-S. Madhankumar	Published	202141047301	29/10/2021
63	Design system for driver risk assessment using machine learning and fuzzy logic-Dr.V.Narasimharaj	Published	202141054923	10.12.2021
64	Intelligent Agriculture system to Assist farmers in choosing better decisions using data science-S.Kannaki	Published	202141054340A	10.12.2021
65	VIRTUAL INSTRUMENTATION BASED AUTOMATIC FABRIC DEFECT DETECTION SYSTEM	Published	202141053821 A	10/12/2021
66	STEEL CONCRETE COMPOSITE STRUCTURE DESIGN-Dr. R. Gopinathan	Published	202141054333	10/12/2021
67	ELECTRIC SCOOTER FOR HANDICAPPED-Dr.S.Balasubramani	Published	353645-001	17/01/2022
68	AUTOMATIC OXYGEN LEVEL MONITORING SYSTEM FOR CLOSED AIR CONDITIONING AREAS-INDIRAPRIYADHARSHINI.J	Published	202241011252 A	03/25/2022
69	A Smart IoT Based Instant Toxic Content Detection System-Dr.S.Balakrishnan	Published	202141021733	6/11/2021
70	Automated Meticulous Mitigation of Traffic Congestion in Handling Uninterrupted Travel of Emergency-Dr.S.Balakrishnan	Published	202141022931	6/11/2021
71	Prehistorian Indoor Navigation Based on Sensory Invasion for Visually Challenged People-Dr.S.Balakrishnan	Published	202141024018	6/18/2021
72	Design of Early Warning System based on controlling Thermal Factors for Vehicle Safety using Sensors in a Cloud Environment-Dr.S.Balakrishnan	Published	202141025801	6/25/2021

73	Alpha CEVA - A Masterpiece Technology in Agricultural Monitoring System Using IoT-Dr.S.Balakrishnan	Published	202141025992	7/2/2021
74	A Real-Time Amateur Sensory Tracker with Extensive Spans of Mitigative and Recovery Operations in Emergencies-Dr.S.Balakrishnan	Published	202141035459	8/13/2021
75	GAS LEAKAGE DETECTION AND ALERT SYSTEM IN SAFETY CONTROL OF INDUSTRY 4.0 USING IOT TECHNOLOGY-Dr.S.Balakrishnan	Granted	2021103493	09.03.2022
76	AN INTELLIGENT CONCRETE MIXTURE SYSTEM WITH PREDICTION OF MIXTURE STRENGTH USING DEEP LEARNING-Oswalt Manoj S	Granted	396951	17.05.2022
77	A Pattern for Space Conservative Fingerprint Sensor Embedded in Mobile Logo-Dr.S.Balakrishnan	Published	201941045679	11/29/2022
78	A ROBOTIZED IRRIGATIVE WATER SUPPLY TREATMENT FRAMEWORK USING IOT SENSORY DEVICES-Dr.S.Balakrishnan	Granted	2021102408	09.06.2021
79	A Design and Method for Automatic Pet Watering and Food Feeding System Using IOT-Dr.S.Balakrishnan	Published	201941051992	12/20/2019
80	Machine Learning based Patients' Illness prediction and automatic Doctor appointment alert-Dr. Oswalt Manoj S	Published	202141061326	07/01/2022
81	ANTIMICROBIAL NANO PARTICLE COATED CELLULOSIC COMPOSITE FROM AGRO-WASTE FOR PERSONAL PROTECTIVE EQUIPMENT-	Granted	2021103323	8/12/2021
82	WI-FI ENABLED SMART DUST BIN FOR THE BENEFIT OF MUNICIPALITY-Dr.K.P.Yuvaraj	Published	202141032205	8/13/2021
83	MECHANICAL SEED INJECTOR FOR AGRICULTURAL APPLICATIONS-Vigneshkumar M	Published	202141036932	8/20/2021
84	PERFORMANCE AND EMISSION ASSESSMENT OF ANIMAL FAT BASED BIODIESEL AND IT BLENDS IN CONSTANT COMPRESSION RATIO ENGINE-M.S.Srinidhi	Published	202141055965	12/24/2021
85	TOOL RETRIEVAL MECHANISM FOR THE BENEFIT OF SMALL SCALE INDUSTRIES-Dr.K.P.Yuvaraj	Published	202141057636	12/17/2021
86	IOT Based Smart Polyhouse Farm-Dr.S.Karthik	Published	202141058630	1/14/2022
87	Coconut Inflorescence Fiber Fortified Composite Material for Automobile Interior and Manufacturing Method thereof-Dr.S.Karthik	Published	202141061367	14/01/2022
88	AI Based Ambulant Toilets-Mr.N.Ramachandran	Published	202241010466	18/03/2022
89	IOT Based Smart Monitoring and Control System for Benefit of Hospitals, Indust	Published	202241050503	09/09/2022
90	AN APPROACH BASED ON GRAPH THEORY TO REDUCE MATHEMATICA	Published	202141048336	5/11/2021
91	DEEP LEARNING APPROACH FOR REAL TIME MONITORING OF WEARAB	Published	202141056651 A	10.12.2021
92	Wearable IoT enabled Health sensor framework system-Mr. E. Karuppusamy	Published	202141056936A	14.01.2022
93	IOT BASED INFANT HEALTH MONITORING SYSTEM-Ms. T. Anitha	Published	202241009073	04.03.2022
94	METHOD TO ENHANCE THE PERFORMANCE OF PRINCIPAL COMPONENT	Published	202211006223	11.02.2022
95	System to carry over the campaign conducively-S. PRADEEP	Published	202241017968 A	15.04.2022