

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

Patent details for the Year 2023-2024

Patent Details

S.No	Name of the Inventor (s)	Dept Name	Country of Patent (Indian/ Foreign)	Patent Number	Patent Title	Month and Year
1	Dr.S.Balakrishnan, Dr.Karthika Arumugam	CSBS & S&H	Foreign (UK Design Grant)	6283157	Intelligent Device for Crime Scene Investigation	June 2023
2	Dr.S.Balakrishnan, Ms.Antonitta Eileen Pious	CSBS & S&H	Foreign (UK Design Grant)	6288964	IoT Based Street Cleaning Vehicle	June 2023
3	Dr.S.Balakrishnan	CSBS	Indian (Design Patent Grant)	383232 - 001	IoT Based Robot for Air Conditioner Duct Cleaning	June 2023
4	Dr.S.Balakrishnan, Dr.G.Vijaya	CSBS, CSE	Indian (Design Patent Grant)	369240-001	Smart Handheld Locating Device	August 2023
5	Dr.S.Balakrishnan	CSBS	Indian (Design Patent Grant)	389105-001	IOT Based Breath Analyser	August 2023
6	Dr.S.Balakrishnan, Dr.Karthika Arumugam	CSBS	Indian (Design Patent Grant)	393745-001	AI Enabled Chemical Mixing Device for Agriculture Farm	November 2023
7	Dr.S.Balakrishnan	CSBS	Indian (Design Patent Grant)	395123-001	IOT Enabled Audio Player Integrated 3D Printer	December 2023
8	Dr.S.Balakrishnan, Mr. I.Anantraj, Mr. Nikhil Krshna U, Ms.U S Shmirthaa Santhosh	CSBS & CSY	Indian (Design Patent Grant)	399332-001	AI BASED NETWORK INTRUSION DETECTING DEVICE	Jan' 2024
9	Dr.D.Prabha	M.Tech. CSE	Indian (Design Patent Grant)	389560-001	WEED REMOVER	October 2023
10	Mr.J.Senthil	CSD	Indian (Design Patent Grant)	388995-001	SMART TABLET VENDING MACHINE	August 2023
11	Dr. D. Maruthachalam	Civil Engineering	Foreign (UK Design Grant)	6294189	Plastic Crushing Machine	July 2023
12	Mr. S. C. Boobalan	Civil Engineering	Foreign (UK Design Grant)	6329669	Accident Notifying Device for Vehicles	March 2024
13	Dr.T.Keerthika	IT	Foreign (UK Design Grant)	6298505	Artificial Intelligence-Based Humanoid Robot For Surveillance and Security	August 2023
14	Dr.Barakkath Nisha .U, Dr.Reshma V.K	IT, CSE	Indian (Design Patent Grant)	390565-001	Artificial Intelligence based Stress Detection Device	July 2023
15	1.T. Vignesh 2. Dr Madhavi Damle 3.Dinesh Kumar J R 4.Dr. S. Gopinath 5.Dr. N.A. Natraj 6.Dr. R. Gopinathan 7.Dr.K.P.Yuvaraj 8.Ms. N. Pooranam 9.Mr N.Loganathan	Mech, MCT,ECE,CSE, EEE	Indian (Design Patent Grant)	387716-001	ELDERLY CARE ROBOT	Aug 2023
16	Mr J Baskaran	Mech	Indian (Design Patent Grant)	389037-001	IOT Enabled 5G Based Street Lamp	Aug 2023
17	Dr K P Yuvaraj	Mech	Foreign (UK Design Grant)	6332713	Intelligent Customized Mirror with Information Display Facility	Dec 2023
18	Dr K P Yuvaraj	Mech	Foreign (UK Design Grant)	6332712	Intelligent Monitoring System for Aquatic Ecosystems	Dec 2023
19	Dr K P Yuvaraj	Mech	Foreign (UK Design Grant)	6332714	Smart Fish Health Monitoring Device in Aquaculture	Dec 2023
20	Dr K P Yuvaraj	Mech	Foreign (UK Design Grant)	6327994	Intelligent Tea Leaves Disease Detecting Device	Nov 2023
21	Dr K P Yuvaraj	Mech	Foreign (UK Design Grant)	6327952	Smart Emotion Sensing Device	Nov 2023
22	Dr K P Yuvaraj	Mech	Foreign (UK Design Grant)	6327951	Smart Automobile Health Diagnostic Device	Nov 2023

23	1.Dr. K. Akila 2. T. Vignesh 3.Ms. N. Pooranam 4.Dr.K.P.Yuvaraj 5.Dr.K.Rameshkumar 6.Dr. Pankaj Pathak 7.Mr.P.Kathirvel 8.Monica D	Mech, MCT,CSE	Indian (Design Patent Grant)	379605-001	Personal Assistant Robot	Nov 2023
24	Dr K P Yuvaraj	Mech	Foreign (UK Design Grant)	6318072	Smart Pulse oximeter with data storage and wireless access	Oct 2023
25	Dr K P Yuvaraj	Mech	Foreign (UK Design Grant)	6316349	Glucose level tracking device	Oct 2023
26	Dr Balaji N Dr Balasubramanian K Dr Ramamoorthi R Dr Rajendran C Dr Raja S	Mech	German utility	20 2023 104 061	AN AI-BASED PREDICTIVE MAINTENANCE SYSTEM FOR HYBRID VEHICLE POWERTRAINS	Sep 2023
27	Dr R Arunbharathi	Mech	German utility	20 2023 101 524	System for Mobile Electric Vehicles	Apr 2023
28	Dr A Sathish kumar	Mech	Indian (Design Patent Grant)	201841010594	SMART DISPENSING SYSTEM AND THE METHOD OF OPERATION FOR INVENTORY MONITORING	Oct 2023
29	Ms.S.Biruntha	CSE	Indian (Design Patent Grant)	388648-001	Petcompanion Robot	Sep 2023
30	Ms.Rama Ranjini	CSE	Foreign (UK Design Grant)	6295329	Biosensor Device To Detect Lung Cancer Using Machine Learning	Sep 2023
31	Mr.M.Vengateshwaran	CSE	Foreign (UK Design Grant)	6319705	Solar Based Automated Railway Track Inspection Trolley	Oct 2023
32	Ms. V.R. Azhaguramyaa	CSE	Indian (Design Patent Grant)	6333919	Agriculture Robot for Pesticides Spraying	Jan 2024
33	Dr.T. Latha Maheswari Dr.N. Kousika Ms.G. Renugadevi	CSE	Indian (Design Patent Grant)	399731-001	Weather Forecasting System	Jan 2024
34	Dr.V.Vijeya Kaveri Dr.T.Latha Maheswari Ms.Majidha Fathima	CSE	Indian (Design Patent Grant)	400394-001	Smart Kitchen Waste Managing Device	Feb 2024
35	Dr.Monika Bhatnagar, Mr.Venkata Charan Kantumuchu, Dr.G.Murugesan, Mr.R.Kavin	EEE	Indian	365323-001	PORTABLE 3D SCANNER	May & 2023
36	Dr.Yannawar, Dr.Kelkar, Dr.Narwade, Kavin.R , Ram Ishwar, Narender	EEE	UK	6301832	SOLAR TREE FOR ENERGY GENERATION	August & 2023
37	Dr.C.Krishnaraj, Dr.Niranjan Swaroop, Mr.Abhra Pratip Ray, Dr.J.Ganesh Murali, Mr.N.Loganathan , Dr.Sumit Kumar, Dr.V.Kannan, Dr.S.Boobalan	EEE	Indian	392038-001	Wind Velocity Monitoring Device	August & 2023
38	Mr. S. Madhankumar , Dr. V. Karthickeyan, Mr. S. Rajesh	MCT	Indian	387760-001	Absorber plate for solar energy collector	September 2023
39	Dr.M.Bhuvaneshwari , Mr. M. Suseendhar, Mr.B. Rajkumar, Mr.R.Rajkumar, Mr. S. Madhankumar , Mr. S. Rajesh	MCT	Indian	397487-001	AUTOMATED WEEDER MACHINE	December 2023
40	Mr. S. Madhankumar , Mr. R. Praveen, Mr. P. Pranesh, Mr. M. Preethiviraj, Mr. S. Rajesh	MCT	Indian	397489-001	PASSIVE SOLAR TRACKING SYSTEM	January 2024
41	Dr. M. Bhuvaneshwari , Mr. C. Elango, Mr. S. Jagadeeshwaran, Mr. J S. Mohamed Riyaz, Mr. S. Madhankumar , Mr. S. Rajesh	MCT	Indian	397488-001	SOLAR FOOD DRYER	January 2024
42	Mr.P.Umar Ahamed, Mr.M.P.M Mohamed Ibraheem, Mr P.Abbas Kiyasudeen, 4.Mr J Mohammed Azharudeen 5.Mr K.M Syed Basith 6.Mr N Rajiv Kumar 7. Dr G Veerappan 8.Mr Stalin Durai	MCT	Indian	383163-001	ATMOSPHERIC WATER GENERATOR	June 2023

	9.Mr Stalin Durai 10.Ms Nihmath Aafiya					
43	1.Pon Bharathi A 2. Dr.S.Veluchamy 3.Dr. N.A. Natraj 4. T. Vignesh 5.Dr. Pankaj Pathak 6.Dr. K. Akila 7.Dr.K.M.Senthilkumar 8.Ms. N. Pooranam	MCT	Indian	393112-001	PERSONAL AI BASED ASSISTANT ROBOT	29/11/2023
44	1.Dr. V. Muthukumar 2. S. Balaji 3. T. Vignesh 4.Dr. N.A. Natraj 5.Dr. M. Bhuvanewari 6. Dr.K.P.Yuvaraj 7.Dr.K.M.Senthilkumar 8. Ms. N. Pooranam	MCT	Indian	382457-001	GUIDANCE ROBOT	07-08-2023
45	1.Vignesh T 2. Dr. N.A. Natraj 3. Dr. R. Gopinathan 4.Dr. Pankaj Pathak 5. Mr.R.Sarath Kumar 6.Dr.K.M.Senthilkumar 7. Ms. N. Pooranam 8.Dr. P. Ashok	MCT	Indian	376633-001	HOUSE CLEANING ROBOT	: 21/03/2023
46	1.Dr.K.Vinoth Kumar 2. Rameshkumar K 3.D. Gnanaprakasam 4.N.Dhamodharan 5.Mr.P.Kathirvel 6.Ms. N. Pooranam 7.Dr. Pankaj Pathak 8. T. Vignesh	MCT	Indian	400196-001	INTELLIGENT ASSISTIVE ROBOT FOR ELDERLY CARE PEOPLE	18/11/2023
47	1.Dr. Roop Raj 2. Dr. K. V. Manju 3.Dr. Tasneem K.H.Khan 4.Prof Dr. Raju Agrawal 5.Dr. Madhulika Agrawal 6.Dr. Yogeesh N 7.Dr. Rajesh Kumar Agrawal 8.Dr. Sushil Kumar Gupta 9.Dr. Pooja Nagpal	MBA	Indian		ATTENDANCE MANAGEMENT SYSTEM	May 2023
48	Mr. R. Siva Subramanian	Mech	Indian (Design Patent Grant)	385541 - 001	FINANCIAL DATA MANAGING DEVICE FOR BANKS	Aug 2023
49	Dr.S.Sasipriya	ECE	Indian (Design Patent Grant)	381142-001	Machine learning-based Robot for Face Mask and Sanitizer Dispensing	Jul 2023
50	Dr C Thirumarai Selvi	ECE	Indian (Utility Patent Grant)	201841023877	VIRTUAL FRIEND FOR ELDERLY/DIFFERENTLY ABLED	Feb 2024
51	Dr.M.Bhuvanewari, Dr. L. Feroz Ali, Mr. S. Madhankumar and Ms. S. Nithya Priya	MCT	Indian (Utility Patent Grant)	411273-001	AUTOMATIC PRESSING MACHINE	May 2024
52	Dr.T.A.Selvan and Mr.S.Madhankumar	MCT	Indian (Utility Patent Grant)	409749-001	AUTOMATED SCALING MACHINE	May 2024
53	1.Dr.G.Radhakrishnan 2. Dr.N.K.Geetha 3.Dr. K. Ramasamy 4.Dr.D.Pritima 5.Dr. G.Veerappan 6.S.Abirami 7.Dr.S.Rajasekaran 8.T. Vignesh	MCT, EEE, CSE	Indian (Utility Patent Grant)	389877-001	INTELLIGENT MONITORING ROBOT	April 2024
54	1.Ms. N. Pooranam 2. Dr. K. Velusamy 3.Mr S.Sureshkumar 4.Dr. Pankaj Pathak 5.Dr.K.M.Senthilkumar 6.Dr. V. Muthukumar 7.Dr.S.Balaji 8.T. Vignesh	MCT	Indian (Utility Patent Grant)	403364-001	HEALTH CARE ASSISTIVE ROBOT FOR HOSPITALS	Feb 2024
55	1.Dr.S.Balakrishnan 2. Dr.Murthy D.H.R 3.Dr.Sunil Kumar R M 4.Dr.Yashaswini K.A 5.Dr.S.Vinodhkumar 6.Dr G Ignisha Rajathi 7.Mr.K.Kalaivanan 8.Dr.Praveen Sen 9.Dr.A.Karthika 10.Ms.Antonitta Eileen	S&H	Indian (Design Patent Grant)	409500-001	IOT BASED AUTOMATIC ROBOTIC WASTE	March 2024
56	1.Dr.S.Balakrishnan 2. Dr.Menaga Meenakshisundaram 3.Dr Kalaiarasi Arumugam 4.Dr.S.Vinodhkumar 5.Prof.Praveen Sen 6.Ms.Ramya.D 7.Dr.A.Karthika 8.Ms. Manjula Devi P 9.Ms. Vinutha M 10.Mr. P.Palanikumar	S&H	Indian (Design Patent Grant)	404739-001	IOT BASED SOLAR POWERED PLANT HEALTH MONITORING DEVICE	Jan 2024
57	Dr K P Yuvaraj	Mech	Foreign (UK Design Grant)	6346513	Drug distribution device	Feb 2024

58	1.Vigneshkumar M 2. Ashoka Varthanan P 3. Akash V M 4. Bavithran R S 5. Gobikrishnan N 6. Ashwin R 7. Haripraneeth 8. Shyamsankar P K 9. Vignesh T	Mech	Indian (Design Patent Grant)	379260-001	Tree Climbing Machine	Feb 2024
59	1.Dr. Renangi Sandeep 2. Dr.P.K. Dhal 3.Dr.M.Prabu 4.Mr. R. Arunbharathi 5.Mr. S.Mayakannan	Mech	Indian (Design Patent Grant)	404265-001	DIGITAL CORDLESS DRILLING MACHINE	Mar 2024
60	1. Dr.Hemalatha Jeyaprakash, 2. Muthu Eshwaran Ramachandran, 3. Dr.Yuvaraj Kunnathur Periyasamy, 4. Shobana Alagarsamy, 5. Priya Uday Shinde	Mech	Foreign (UK Design Grant)	6351120	Autonomous Vehicle Route Navigation Device	Mar 2024
61	1. Dr.Vivek Veeman, 2. Dr.Hemalatha Jeyaprakash, Dr.Swapnil Sonajirao Lahane, 3. Dr.Yuvaraj Kunnathur Periyasamy, 4. Ms Shobana Alagarsamy	Mech	Foreign (UK Design Grant)	6356726	Intelligent Mobility Aid and Posture Correcting Chair	April 2024
62	Mr. I. Anantraj	CSY	Design	202441020520 A	AUTONOMOUS AGRICULTURAL WILDLIFE DETERRENCE DRONE SYSTEM	19/03/2024
63	MS.S.Abirami Ms.S.Biruntha	CSE	Indian	202341026947	Design and Implementation of Surveillance system based IOT	05-05-2023
64	Dr D Mohana Geetha	ECE	Indian	393710-001	HONEYBEE EXTRACTOR	26.08.2023
65	Dr.V.Nandalal	ECE	Indian	202341047404	GESTATIONAL DIABETES PRENATAL CARE USING AI	01.09.2023
66	Dr R Senthil Ganesh	ECE	Indian	202341042486	CLOUD COMPUTING-BASED IDENTIFICATION OF BURIED ALIVE VICTIMS DUE TO DISASTERS USING GEOSENSING AND GROUND PENETRATING RADAR	01.09.2023
67	Dr R Senthil Ganesh	ECE	Indian	202341061757	AI POWERED SOIL ANALYSIS AND MICRONUTRIENT CLASSIFICATION SYSTEM FOR IOTENABLED FARMS	06.10.2023
68	Dr.V.Karthik	ECE	Indian	202411001517	PLANT HEALTH AND YIELD GROWTH USING IOT - SMART AGRICULTURE FARM	02.02.2024
69	Dr. Cowsigan S P	ECE	Indian	202441001711	AUTOMATED AI BASED SHARE MARKET FINANCIAL FLUX AND PRICE PREDICTION SYSTEM	09.02.2024
70	Dr V Anandkumar	IT	Indian	202341054443 A	Design system of Speed Behavior of Heterogeneous Traffic on Two-Lane Rural Roads using IoT	01.09.2023
71	Dr V Anandkumar	IT	Indian	202341054747 A	IoT-based AI system for analyzing the impact of reduced speed limits on urban highway	01.09.2023
72	Diwakaran M	IT	Indian	202241003203 A	A novel Pareto Distribution based CatBoost Framework for Software Reliability Estimation	21.07.2023
73	Dr. J. Indirapriyadharshini	MCT	Indian	41006637A	IOT based smart helmet for industrial workers	09-02-2024
74	Ms. R. Hemavathi	Civil Engineering	Indian	202341032483 A	PREDICTION OF POST-FIRE SELF-HEALING OF CONCRETE BY MACHINE LEARNING METHOD	23/06/2023
75	Dr. R. Chandra Devi	Civil Engineering	Indian	202311035349 A	DEVELOPMENT OF ARTIFICIAL INTELLIGENCE METHODS FOR PLANNING OF THE TRANSPORTATION NETWORK	30/06/2023
76	Dr.M.R.Ezhilkumar	Civil Engineering	Indian	202341036784	Block chain based method for reducing vehicle pollutant emissions	01-09-2023
77	Mr.J.Senthil	CSD	Indian (Utility Patent Grant)	202441015525 A	AUTOMATIC ROBOT WITH REMOTE CONTROLLED SOLAR POWERS VERSATILE PESTICIDE SPINKLER IN AGRICULTURE	March 2024
78	Dr S Karthik	Mech	Indian	202341063953	IOT Based Fire Fighting Robot	Oct 2023
79	Dr S Karthik	Mech	Indian	202341034840	Landmine Detection Rover Using Sustainable Materials	Jun 2023

80	Mr N Ramachandran	Mech	Indian	202341054753	Design and Fabrication of Plastic Bottle Recycling Machine	Sep 2023
81	Dr R Ramamoorthi	Mech	Indian	202341054787	Gesture Based Wheel Chair Control Using Kinect Camera	Sep 2023
82	Mr N Ramachandran	Mech	Indian	202341055063	Smart Trolley and Self-Cleaning Robot for Industrial Operation Maintenance	Sep 2023
83	Mr. M. Manicka Raja	CSBS	Indian	202341062717 A	AUTOMATIC SPEECH RECOGNITION FOR ENGLISH LANGUAGE TEACHING	10-06-2023
84	Dr. G. Ignisha Rajathi	CSBS	Indian	202441032070 A	Recogni : Memory Companion	01-04-2024