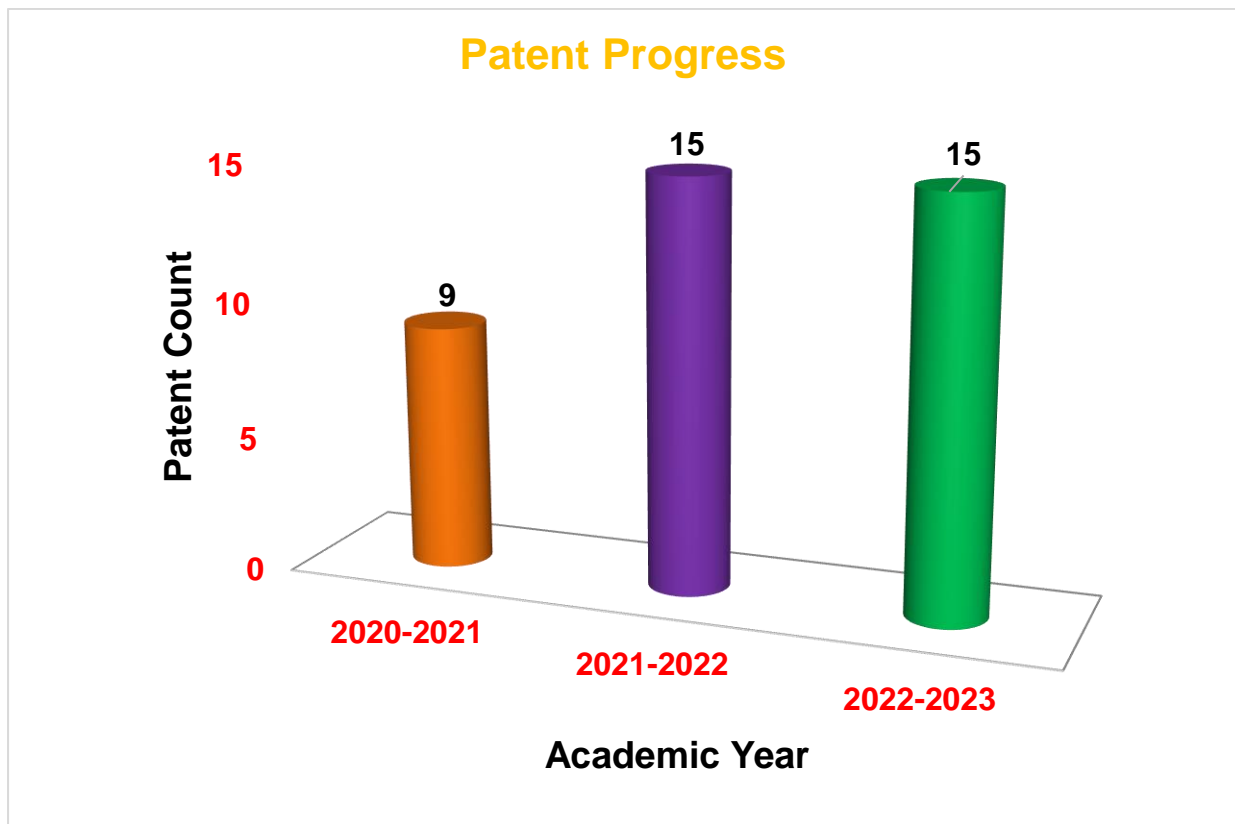




DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PATENT GRANTED / PUBLISHED

S.No.	Academic Year	Granted	Published
1	2022-2023	7	8
2	2021-2022	2	13
3	2020-2021	1	8



Patents Filed / Published / Granted during the assessment period

S.N O.	Name of The Faculty	Title of the Patent	Status	Filled Date
2022 – 2023				
1.	Dr.J.P.Ananth	Smart IOT Based Women Safety Detecting Wrist Band	Granted	August 2022
2.	Dr. P. Mohan Kumar	SYSTEMS FOR MONITORING AND DIAGNOSTICS OF CYBER/NETWORK SECURITY REMOTELY USING MACHINE LEARNING FEATURE	Granted	June 2022
3.	Dr.V.Vijeya Kaveri	IOT Integrated Printer	Granted	December 2022
4.	Dr.Reshma V.K	Portable Smart External Harddisk drive	Granted	December 2022
5.	Dr.G.Vijaya	IoT Based Agricultural Drone for Pesticide Spray	Granted	March 2023
6.	Dr. G. Sathish Kumar	IOT BASED SMART SWITCHES WITH CHILD LOCK AND VOICE CONTROL FACILITY	Published	July 2022
7.	Ms.G.Renugadevi	Deep Learning based Intelligent Weather Prediction for Future Agriculture	Published	July 2022
8.	Dr.D.Rasi	High Performance Computing (HPC) integration of IOT and Big Data Analytics Design and Experimental Evaluation of HPDA Framework for e-science at scale	Published	August 2022
9.	M.VENGATESHWARAN	AI BASED AUTOMATIC SEA/LAKE CLEANING ROBOT	Published	November 2022
10.	Dr. J. Janet Dr. K. Sasikala Rani Ms. A. Priya	ShikaayantSamathan	Published	December 2022
11.	Dr. J. Janet Dr. K. Sasikala Rani	AI based tool to get information about 5 good		December 2022

	Dr. M. Sujaritha	institutes based on AISHE	Published	
12.	Dr.G.Vijaya	Smart Handheld device	Under Review for Grant	
13.	Dr.J.Janet Dr.G.Vijaya Dr.P.Mohan Kumar	An IOT Based Drainage Pipes Cleaning Robot System	Granted from South African Utility Patent Grant	February 2023
2021 – 2022				
1.	Dr.J.Janet	An Efficient Air Conditioner with Self Sanitizing Techniques	Published and Granted from the Australian Patent Journal	22.10.2021
2.	Dr.J.Janet	An Intelligent Acoustic Serenity using Self Adjustable User Friendly iotEmbedded Microphone	Published and Granted from the Australian Patent Journal	27.01.2021
3.	Ms.A.Priya	MACHINE LEARNING BASED AUTOMATIC ELECTRODIAGNOSIS OF CARPAL TUNNEL SYNDROME	Published	22.04.2022
4.	Ms.B.Kriuba	AI based Prediction and Analysis of Key Performance Indicators (KPI) For Students using Data Science	Published	04.03.2022
5.	Dr.T.A.Selvan(MCT) Ms.M.Rohini(CSE) Mr.S.MadhanKumar(MCT)	ARTIFICIAL INTELLIGENCE EMPLOYED TO CREATE A REVOLUTIONARY ENERGYEFFICIENT INTELLIGENT DEVICE FOR WEATHER OBSERVATION	Published	17.12.2021
6.	Ms.S.Biruntha Ms.N.Pooranam Ms.S.Nagajothi Ms.J.Boopala Mr.T.Vignesh Dr.K.RamaAbirami Ms.R.Indhu	IOT Based Smart Hands Talk	Published	10.12.2021
7.	Ms.R.Gowthamani	Advanced traffic light violation monitoring system based on GSM technology	Published	01.10.2021
8.	Mr. RajibGuhathakurta Ms. S. S. Saranya	Real-Time smartphone tracking app of virtual cloud server based healthcare	Published	06.08.2021

	Ms. R. Gowthamani Dr. Mudita Sinha Dr. R. Swaminathan Dr. K. Praghash Dr. Nihar Ranjan Nayak Dr. Beulah David Dr. M. Mythily Mr. M. Manikandan Mr. R. Regin Dr. S. Sudhakar	monitoring system for emergency service using wbsn		
9.	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	AN ARTIFICIAL INTELLIGENCE BASED WATER MANAGEMENT SYSTEM ENSURING UNIFORM DISTRIBUTION AND MONITORING WATER LEAKAGE	Published	20.08.2021
10.	Dr. D. Prabha Dr. A. Pushpalatha Ms. K. Devipriya Dr. T. LathaMaheswari Dr. K. Rama Abirami Ms. Sophia. B Dr. V. Vijeya Kaveri Ms. S. Mohana Gowri Ms. P. Anitha Ms. Sruthi Anand	Fabric defect detection using deep convolutional neural network and monitoring with industrial internet of things	Published	16.07.2021
11.	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	Automatic Smart Attendance Management System Based on Face Recognition using Deep Learning	Published	25.06.2021

12.	Dr.K.Srinivasan Ms.N.Vijayalakshmi Dr.G.M.Tamilselvan Mrs.V.R.Azhaguramy aa	Intra - Body Communication in Biomedical Applications	Published	15.03.2021
13.	Dr. L. Selvam Dr J. Visumathi Dr. K.Jayashree Dr. J. ArokiaRenjith Dr. P. Mohan Kumar	Cloud based Emergency Patient monitoring system	Published	04.03.2021
14.	Dr.D.Prabha Dr.J.Janet Dr.K.Sasi Kala Rani Mr. ShaliqNigal (Final year CSE) Ms. Sadhana Sri S A S (Final year CSE) Ms. Sanmugapriya K (Final year CSE) Mr. Adithya Menon S (Third year CSE) Mr. Jeganprakash B (Third year CSE) Mr. Aswin A R (Third year CSE)	Personal Assistant System and Wearable Gadget for Elderly People and Alzheimer Patients	Published	19.02.2021
15.	V.Meenakshi Dr.V.Vijeya Kaveri Dr.Anbarasi	Modelling of an Efficient Solar Module Using Pervoskite	Filed	11.01.021
2020 – 2021				
1.	Dr.J.Janet Mr.Krishnamurthy Mr.Vinoth Kumar	An Efficient Air Conditioner with Self Sanitizing Techniques	Published and Granted from the Australian Patent Journal	22.10.2020
2.	Mr.S.Sureshkumar Dr.J.Janet Dr.P.Kavitha Rani Dr.S.Venkatalakshmi	A New 2R Approach: The Mobile Electronic Waste in INDIA'S Automotive	Published	04.11.2020
3.	Dr.J.Janet	Non-isolated bi-directional converters with coupled inductor for hybrid electric vehicle applications	Published from US Patent Journal	13.09.2020
4.	Mr.V.Arulkumar, Dr.P.Vivekanandan Dr.C.Selvan Dr.Albert raj Dr.K.N.Sivabalan Dr.V.Anandkumar	An efficient feature selection for color face recognition using hidden Markov model and particle swarm optimization with image key generation	Published	04.09.2020

5.	Mr.V.Arulkumar Dr.P.Vivekanandan Dr.C.Selvan Dr.Albert raj Dr.K.N.Sivabalan Dr.V.Anandkumar	An intelligent technique for uniquely recognizing face and finger image Using learning vector quantization (lvq)-based template key generation	Published	04.09.2020
6.	Ms.V.R.Azhaguramy aa Dr. J. JANET Ms.J.Fenila Naomi, Mr.Ra.Theepavishal Mr.K.S.Madhuaravindh Mr.V.Tharuneshwar, Mr.T.Sivakumar	Smart accessible ATM for Visually Impaired	Published	24.04.2020
7.	Ms.S.Biruntha Ms.J.Boopala Ms.K.Devipriya Dr.D.Prabha Ms.A.Pushpalatha Ms.R.Gowthamani Mr.R.Balaji Mr.R.Manikandan	Iotbased Border Alerting System for Tamilnadu Fisherman	Published	28.02.2020
8.	Dr.J.Janet, Mr.S.Sureshkumar Dr.K.N.Sivabalan (IT) Ms.D.Srivaishnav I (CSE) Mr.KR.SenthilMurugan Mr.R.SivaSubramanian(Mech) Ms.P.Anitha, (ECE)	Intelligent Wheelchair With Voice User Interface (VUI) System for Disabled and Elderly using iot	Published	28.02.2020
9.	Dr. M. Karpagam Ms. P. Vinesha Dr. D. Prabha Mr. D. Ananda Kumar Dr. A. Mohan Raj Ms. D. Devi	Smart Air and Noise Pollution Monitoring Kit	Published	03.02.2020