



Jansons Institute of Technology

Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai
Accredited by NAAC and ISO 9001:2015 certified Institution
Coimbatore, Tamil Nadu – 641659
www.jit.ac.in

List of Patents by Faculty Members

S.No	Name of the Patent	Name of the Innovator	Academic year	Status
1.	Isuav-Woman Security: Intelligent Woman Security Using Streetlight And Auto Run Unmanned Aerial Vehicle Using Iot- Based Technology	Dr.T.Meenakshi	2020-2021	Granted
2.	A System Of Fault Detection And Monitoring Of Solar Pv Panels Using Internet Of Things	Dr.K.Mahendran	2020-2021	Published
3.	Solar Powered Electric Tricycle For Physically Challenged Persons.	Dr.K.Mahendran	2020-2021	Published
4.	A Smart Agriculture Monitoring System Using Internet Of Things	Dr.K.Mahendran	2020-2021	Published
5.	A Smart Energy Metering System Using Internet Of Things		2020-2021	Published
6.	A Method For Rainfall Prediction Using Artificial Neural Networks	Dr.K.Mahendran	2020-2021	Published
7.	Harvesting Machine For Tapioca Vegetables	Dr.K.Mahendran	2020-2021	Published
8.	On site automated Hazardous Medical waste detection by smart sensors and waste categorization on Technique using Machine Learning algorithms	Dr.A.Velayudham, Prof. M.Pavithra	2020-2021	Published
9.	An automated Embedded System Based Cloth Pressing Techniques	Prof.A.Rathika	2020-2021	Published
10.	Enhanced Image Compression System with Parallelized Binary Search Tree Optimization Method for Medical Images	Prof.M.Pavithra	2020-2021	Published
11.	Automated Configuration of Hybrid IoT Mesh Network Real Time Logistics Tracking	Prof.R.Ashwini	2020-2021	Published
12.	Secured IOT based data streaming network for containers in ports and ships using IETF solace framework	Prof. M.Pavithra, Dr.A.Velayudham	2020-2021	Published
13.	Smart Industrial Manufacturing using low power wire connectivity IoT based ingénue machine to machine approach	Dr.A.Velayudham, Prof. M.Pavithra	2020-2021	Published
14.	An automatic Toll gate system using wimax with non-orthogonal Multiple access for 5G systems	Dr.A.Velayudham	2020-2021	Published
15.	Dynamic Device Management Framework for smart industries using OMA-DM IoT protocol	Prof.M.Pavithra	2020-2021	Published
16.	Remote Pain Monitoring System for Knee Joint Pain of Elderly People	Prof.M.Pavithra	2020-2021	Granted
17.	Guidance Algorithm for UGV using IOE Systems and Fog Computing	Prof.M.Pavithra	2020-2021	Granted



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18.	On-Site Automated Hazardous Medical Waste Detection By Smart Sensors And Waste Categorization Technique Using A Machine Learning Algorithm	Dr.M.Muthukumaran	2020-2021	Published
19.	Longitudinal Fins Evacuated Tube Solar Air Heater	Dr.M.M.Matheswaran	2020-2021	Published
20.	Areca Leaf Shredding Machine	Dr.L.Anojkumar	2020-2021	Published
21.	Twisted Micro-Fins Evacuated Tube Solar Air Heater	Dr.M.M.Matheswaran	2020-2021	Published
22.	Evacuated Solar Tube Embedded With Pierced Twisted Tape System For Heating Air	Dr.M.M.Matheswaran	2020-2021	Published
23.	Evacuated Tube Solar Air Heater with Jet Impingement System	Dr.M.M.Matheswaran	2020-2021	Published
24.	Efficient Management Analysis of Signal Coverage and Novel Design of Triangle Patch Antenna for Quasi Elliptic Band Pass Response	Dr.P. Gowtham	2020-2021	Published
25.	3D Printed PLA Sheets Embedded Bio-Composite Manufacturing Method Thereof	Dr.P. Gowtham	2020-2021	Published
26.	Smart Care Intravenous Infusion System	Mrs. P.Eswari	2020-2021	Published
27.	Infant Incubator Parameter Sensing & Monitoring Through Microcontroller	Dr.T.Meenakshi	2021-2022	Published
28.	A Smart Healthcare Monitoring System Using Internet Of Things	Dr.K.Mahendran	2021-2022	Published
29.	A Method Of Smart Vehicle Safety And Security System Using Internet Of Things	Dr.K.Mahendran	2021-2022	Published
30.	Solar Energy Based Automatic Cow Feed (Grass Type) Cutting Machine.	Dr.K.Mahendran	2021-2022	Filed
31.	Contactless Twin Disc With Implanted Magnets And Belted Pulley With Shaft Bearing Arrangement For Energy Harvesting	Dr.T.Meenakshi	2021-2022	Filed
32.	Strength And Durability Properties Of Concrete Using Groundnut Shell	Dr. S. Ragunath	2021-2022	Published
33.	Waste- To- Energy From Municipal Solid Wastes	Dr. S. Ragunath	2021-2022	Published
34.	Sustainable Farming System Using IoT For Crop Monitoring And Control	Dr. Moorthi K	2021-2022	Published
35.	Smart Sustainable Agriculture Solution Using IoT and AI Towards Effective Cultivation	Dr.A.Velayudham	2021-2022	Filed
36.	Smart Solar Energy Management System based on Weather Data using IoT	Dr.A.Velayudham	2021-2022	Filed
37.	Drainage Cover Monitoring System Over IoT	Prof.M.Pavithra	2021-2022	Filed
38.	Ensemble Deep Learning approach for Genes Expression Classification	Prof.A.Praveena	2021-2022	Granted



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39.	Dynamic Weight Assignment Mechanism For Determining Trustworthiness Of Data In Block Chain	Prof.A.Praveena, Dr.A.Velayudham, Prof. M.Pavithra	2021-2022	Granted
40.	Network-Based Deployment Of IoT Architecture Through Software Defined Networks	Dr.A.Velayudham, Prof. M.Pavithra	2021-2022	Granted
41.	Integrated Intelligence Resource And Security Management System For Cloud Data Centers	Prof.A.Rathika	2021-2022	Granted
42.	A Pattern recognition technique to analyze the stress level of employees	Mrs.N.Krishnapriya	2021-2022	Published
43.	Smart Application using Cloud-Based IoT for Night Vision Patrolling Robot	Dr.G.Vetriselvi	2021-2022	Published
44.	Standalone Oxygen generating mask for urban air pollution using Pyro-Piezo-Tribo-Nano Electric Generator (Kapila)	Mrs.P.Eswari	2021-2022	Filed
45.	Dual Powered Transformer less Multi-Output Portable Electronic Workstation using Solar Photovoltaic Panels (Kapila)	Dr.P. Gowtham	2021-2022	Filed