

## Department of Mechatronics Engineering

### Patent Details

2021- 2022

S.No	Inventor	Patent Details	Patent Status	Patent Number
1.	S.Madhan kumar, K. Ananthi	Medical image separation and data retrieval method for clinicians utilizing multi-dimensional clinical information based on Artificial Intelligence	Published	202241007814
2.	S.Madhan kumar	Low-cost fatigue test rig	Published	202141020063 A
3.	Vignesh T	Sensor Based Smart Belt	Published	202141020773
4.	Indirapriyadharsh ini.J, K. Ananthi	Industrial tools Sterilization system	Published	202141027159 A
5.	Vignesh T	Secured data transmission using improved crypto coding VLSI architecture	Published	202131034322
6.	Vignesh T	WI-FI Enabled smart dust bin for the benefit of municipality	Published	202141032205
7.	Vignesh T	Mechanical Seed Injector for agricultural applications	Published	202141036932
8.	Vignesh T	AI Based Anti-Theft Detection in Two Wheelers	Published	202141036613

2020 - 2021

S.No	Inventor	Patent Details	Patent Status	Patent Number
1	T.Vignesh	UV Sterilization for all virus	Published	202041016532
2	Dr.D.Pritima	IOT based Remote Monitoring system for Industrial Automation and a method for its implementation.	Published	202041041108
3	K.Ananthi	Sensor Based UAV Mapping for Precision Agriculture	Published	202041045223 A

4	Dr.N.A.Natraj	Real Time Monitoring and Tracking of Motor Vehicles using IOT	Published	202011050686 A
5	Dr.D.Pritima	An Efficient Air Conditioner with self sanitizing techniques	Published	2020102996
6	T.Vignesh	An Efficient feature selection for color face recognition using hidden markov model and particle swarm optimization with image key generation	Published	202041035952
7	T.Vignesh	An intelligent technique for uniquely recognizing face and finger image using learning vector quantization (LVQ) - based template key generation	Published	202041035826
8	Dr.N.A.Natraj	Artificial Intelligence Based Prediction of Driving Behaviour with Passenger While Driving	Published	202141007422
9	S.Madhankumar	Preliminary Cooling of Moulding Sand by Precooling Setup	Published	202141016240 A
10	J.Indirapriyadarshini, K. Ananthi	Handheld device for forecasting and detecting quality of eggs	Published	202141014715A
11	Dr.V.Narasimharaj	Intelligent Action Controller for IIoT using machine learning	Published	202141012320A
12	Dr.V.Narasimharaj	Design and development of mishap detection and astute action smart system using IoT	Published	202141005564
13	Dr.V.Narasimharaj	Intelligent Action Controller for IIoT using machine learning	Published	202141012320A
14	T.Vignesh	Identification of plant leaves infection zone using autonomous drone and image processing technique.	Published	202141017306

<b>S.No</b>	<b>Inventor</b>	<b>Patent Details</b>	<b>Patent Status</b>	<b>Patent Number</b>
1	M.Bhuvanewari	Automatic fish cleaning and cutting machine	Published	201941051269
2	T.Vignesh	Traffic signal controlling using dense of the android devices	Published	201941028467A
3	T.A.Selvan	Automated paper folding machine using roller mechanism	Published	201941035849 A
4	S.Kannaki	Automatic coconut processing machine	Published	202041001091A
5	K.Ananthi	Automatic yarn carrier sorter based on colors	Published	20204106384A
6	S.Nithya Priya	EC Transit Electric Vehicle wireless charging during Transit	Published	202041010080
7	T.Vignesh	Energy harvesting by piezoelectric sensor array in raod using internet of things.	Published	201941051960
8	T.Vignesh	Power transfer of grid connected wind farm system using an interline power flow controller.	Published	201941051202
9	T.Vignesh	Automatic parts counting machine in the conveyor.	Published	202041001297
10	T.Vignesh	Health moitoring device for pregnant women ad fetal.	Published	202041005605
11	T.Vignesh	Development of an IOT based economized wearable navigation antenna to safeguard mentally challenged people.	Published	201941050598
12	T.Vignesh	LM13 Aluminium alloy - steel fiber reinforce composites for automobile pistons.	Published	202041005537

13	K.Ananthi	Automated Jasmine flower extracting Robot using Image Processing	Published	202041010759
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2018 – 2019

<b>S.No</b>	<b>Inventors</b>	<b>Patent Details</b>	<b>Patent Status</b>	<b>Patent Number</b>
1	T.Vignesh	Crop field monitoring automation	Published	201941015994
2	T. Vignesh	Human assisting robot	Published	201941017983