



**VIVEKANANDHA COLLEGE OF  
ENGINEERING FOR WOMEN**  
[AUTONOMOUS INSTITUTION AFFILIATED TO ANNA UNIVERSITY, CHENNAI]  
Elayampalayam – 637 205, Tiruchengode, Namakkal Dt., Tamil Nadu.



**RESEARCH AND DEVELOPMENT CELL**

**Patent Details 2021-2022(Jun-May)**

S.No	Dept	Title of Invention	Inventors	Application No.	Publication Date
1.	CSE	Design And Implementation Of Intelligent Parking System Using Iot	Dr. M.Malathi	202141037285	27.08.2021
2	ECE	A method and A System for detecting odourless and hazardous gas emission from closed drainage storage locations	Dr.KCK.Vijayakumar Dr.R.Saravanakumar Dr.PT.Kalaivaani Dr.T.S.Jeyali Laseetha Dr.M.Malathi Dr.S.Kokila Dr.R.Nirmala Dr.E.Kamalavathi	202141042654	05.11.2021
3	IT	An IOT bases self-phased heating blanket	Mr.T.Saravanan	202141056296	10.12.2021
4	ECE	GEO Fencing of Agricultural Lands Based On Soil Quality Using Drones And Smart Devices	Dr. Sreelatha P Dr. T. Jesudas Dr. Madijagan M Dr. T. Subramani Dr. T. Samraj Lawrence Dr. L. Malathi Dr.P.Mangayarkarasi Prof. Pallavi Nilesh Shejwal Dr. Udit Nandan Mishra Dr. Milind Shrinivas Dangate	202141054736	10.12.2021
5	ECE	Method For Energy Efficient Routing Using Support Vectormachine In Wireless Sensor Networks	Dr.PT.Kalaivaani	202141055011	10.12.2021

6		An Image Recognition Based Rotating TV Screen to adjust to the view of viewer	Dr.E.Menaka	202141055169	10.12.2021
7	BT	Techniques to Categorise the stages of Lung cancer in depth using machine learning approach	Mr. M. Vijay Pradhap Singh	202141055574	10.12.2021
8	BT	Comparing and contrasting the immunity levels for both vaccinated and non-vaccinated people with covid-19 vaccine using machine learning approach	Dr. N.Prabhu, M.Rajamehala, Dr.Muthu kumara pandian, Mr.Vijay Pradhap Singh, A.Suganya, A. Archana	202141059148	24.12.2021
9	BT	An IOT based industrial waste Management monitoring techniques	Dr.M.S.ManojKumar	202141059421	31.12.2021
10	BT	A machine learning based approach to study the fertility of particular variety of plant species	A. Suganya S.Chozhavendhan	202141060760	31.12.2021
11	EEE	An IOT fan along with speed control mechanism	Dr.K.Thenmalar, Mr.S.Mutharasu, Mr.R.Manikandan, Mrs.S.B.Kayalvizhi, Mrs.P.Madhumathi, Ms.S.Shobana	202141059430	31.12.2021
12	IT	An Iot Based Smart Cooker That Is Pre-Programmed For Various Recipes	Mr.E.Thangadurai	202141060465	07.01.2022
13	CSE	Intelligent Healthcare System For Detection Of Tumor Cellsin Lung Cancer Ct Images Using Image Processing	Dr.M.Malathi	202131055901	07.01.2022
14	CSE	Employment Seeking System over the Cloud Using Machine Learning Approach	D.Radhika	202141057748	21.01.2022
15	CSE	A Full Stack Approach to Develop Industrial Refrigerator Unit Using	Dr.R.Nithya Ms.T.Kavitha	202141058571	28.01.2022

		IOT			
16	CSE	An Intelligent Neck Wearable Device for women safety using Deep Neural Network	Mrs.B.Ananthi	202241006370	11.02.2022
17	S&H	Intelligence device for large scale electric vehicle parking charging stations with vehicle scheduling method	Dr G Vijayakumar	202241007244	18.02.2022
18	BT	Formulation of wound healing plaster	Dr.A. Muthu Kumara pandian	202241011227	18.03.2022
19	BT	A method of producing Bioplastic	Dr.A. Muthu Kumara pandian	202241011230	18.03.2022
20	CSE	To An Automatic Electro Diagnosis Of Carpal Tunnel Syndrome Using Machine Learning Based System And Method Thereof	Dr.M.Malathi	31160/2021-CO/L	Copyrights 28.03.2022
21	CSE	Intelligent Fog And Edge Computing For Smart Health care Informatics During Covid-19 Pandemic	D.Radhika	202221015150	20.05.2022
22	CSE	An Efficient Frame Work For Segmentation And Classification Of Cancer Cell Images Using Data Mining Techniques	R.T Dineshkumar	202241026611	27.05.2022
23	CSE	A System and method for Optimization Technique for the Detection of Blinds potin eye using deep learning	Dr.M.Malathi	202241032642	17.06.2022
<b>Granted</b>					
1	ECE	Vaccination Device without Needle	Dr.P.T.Kalaivani	356746-001	22.03.2022
2	ECE	An Intelligent Automated Novel Security Conveyer Tunnel To Check	Dr.P.T.Kalaivani	2022/02011	28.04.2022

		Medicinal Duplication In Supply Chain Management			
3	BT	Plastic molding Machine	Dr. A. Muthukumara Pandian, AP/BT Ms. M. Rajamehala, AP/BT Dr. M. Vijay Pradhap singh, AP/BT	361837-004	12.05.2022