



# R.M.K COLLEGE OF ENGINEERING AND TECHNOLOGY

R.S.M NAGAR, PUDUVOYAL – 601206



## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### DETAILS OF PATENTS

S. No	Name of the Inventor	Title of Invention	Date of Filing	Application No.	Date of Publication	Status
<b>ACADEMIC YEAR 2021-2022</b>						
1.	Mr. Praveen Kumar <b>Dr Arun Chokkalingam</b> Ms. Padmini Kuppala Mr. Satish Reddy Mr. Abishek Badholia Mr. Rahul Neware Mr. Praveen Kumar Kaithal Mr. Kantilal P. Rane Mr. Sivakumar Ponnusamy Ms. Nilabar Nisha Mr. Jayakrishanan AR Mr. Sridhar V	Software Define Network Based Network Security Monitoring System	24/08/2021	202141038188	03/09/2021	Published
2.	Mr. Gauri Arun Varade Mr. Shrawan Kumar Mr. Kukatlapalli Pradeep Kumar Mr. Rahul Neware Mr. Parkavi K <b>Ms. Nimitha N</b> Mr. Praveena A Mr. Siddarth Misra Mr. Namrata Nanda Mr. Vinay Jha Pillai Mr. Rakesh Rajendran Mr. Hriday Kumar Gupta	Group Signature Based Security Technique for Privacy Identity Information Protection in Blockchain	12/07/2021	202121031204	06/08/2021	Published
	Mr. JagaDeesan R <b>Mr. Vijay Anandh R</b> <b>Mr. Josephin Shermila P</b> Ms. Gunavathie MA Ms. Kumari S Mr. Dilli Babu M	An Intelligent Pharmaceutical	06/09/2021		24/09/2021	

3.	Mr. Satyanarayana GV Ms. Padmaja K Mr. Srivnivasan S Mr. Nagarajan N	Assistance System		202141040360		Published
4.	Mr. Rajeesh Raghunathan <b>Ms. Nimitha Nellyadan</b>	Smart Pavements	16/10/2021	202141042013	01/10/2021	Published
5.	<b>Dr Josephin Shermila P</b> Dr Eugene Prince M Dr Sujatha Therese P Dr Ahila Devi E Dr Albert Jerome S Dr Flower Queen P Dr Jesse Pius J Dr Wisemin Links Dr Janaki N Dr Premila TR	Iot Based Smart Street Light Monitoring and Automated Power Failure Notification System	29/10/2021	202141049779	26/11/2021	Published
6.	<b>Dr. Inbamalar T M</b> <b>Dr. Chettiyar Vani Vivekanand</b> Mr. Sanjeev Kumar N <b>Ms. Jasmine Vijithra A</b> <b>Ms. Bharatha Sreeja G</b> <b>Ms. Kannagi V</b> <b>Ms. Arthi Devarani</b> <b>Dr. Shanthy K G</b> <b>Dr. Gangatharan N</b>	Smart Neonatal Care System	13/11/2021	202141052123	26/11/2021	Awaiting for Examination Report
7.	<b>Dr Gangatharan N</b> <b>Dr Kannan K</b> <b>Dr Praveena NG</b> <b>Mr. Sathyaraj P</b> <b>Dr. Shanthy KG</b> <b>Ms. Subatra R</b> <b>Ms. Swetha Reddy A</b> <b>Ms. Manimegalai L</b> <b>Ms. Samuda Prathima</b> <b>Ms. Nithiya C</b> <b>Ms. Komathi BJ</b>	System For NodeLocation and Qos Improvement in Manet	18/11/2021	202141053153	03/12/2021	Published
8.	<b>Mr. Karthikeyan C</b> <b>Dr. C. Arun</b> <b>Dr. N. Gangatharan</b> R. Pavan Kumar Mr. Murugan J Mr. Pravin Kumar K Mr. Lokesh K	Grocery Monitoring System Using IOT in Supermarket	18/11/2021	202141053152	03/12/2021	Published
	Dr Bommi RM Dr Partheeban P	Smart Pipe Inspection Robot				

9.	Ms. Jacintha V Ms.Amirthalakshmi TM <b>Mr. Sudharsanam V</b> Ms. Meenakshi R	for Blockage Detection and Clearance	14/07/2021	202141029564	16/07/2021	Published
10.	<b>R.Vijay Anandh</b> Ms.Aswini.N Ms. Durgadevi.A Ms. Jayasri.D Ms. Aarthi.R <b>Dr.Praveena N G</b> <b>Mr. Shaik Hedayath</b> <b>Basha</b> <b>Ms. Komathi B J</b> <b>Ms. Nithiya C</b> <b>Ms. Samuda Prathima</b>	Voice based Automation Facility for Disabled People in Smart Home	19/01/2022	202241003162	11/03/2022	Published
11.	Mr.Samraj S Dr.S.Janani Mr.Dhinakaran M Dr.G.Sasikala Mr. Saravanakumar Pichumani Dr. Uma Priyadarsini P S Mr. R. Anbunathan <b>Ms. Manimegalai L</b> Ms. Abinaya B Mr. Darwin Nesakumar A	5G Network from space using AI and Machine Learning	27/01/2022	202241004564	04/02/2022	Published
12.	<b>Dr. Praveena NG</b> <b>Dr. Kannan K</b> <b>Mr. Sathyaraj P</b> <b>Ms. Samuda Prathima</b> <b>Ms. Nithya C</b> <b>Ms. Komathi BJ</b> <b>Ms. Swetha Reddy S</b>	Solar Operated Proficient System for Precision Agriculture using IoT	10/01/2022	202241001199	21/01/2022	Published
13.	<b>Ms. Sivalakshmi P</b> <b>Dr. Gangatharan N</b> <b>Dr. Shanthi KG</b> Santhosh Kumar S <b>Ms. Sangeethalakshmi K</b> <b>Ms. Seshavidhya S</b> <b>Ms. Sandhiya S</b> <b>Ms. Rajalakshmi S</b>	Device for Direct, Optimized Fair Selling of Agricultural Produce	03/03/2022	202241011690 A	18/03/2022	Published
<b>ACADEMIC YEAR 2020-2021</b>						

1.	Ms. Subha TD Mr. Joel T Mr. Ramkumar V Mr. Vijaya VardhanReddy SP Ms. Femina V <b>Ms. Dhivya K</b> <b>Ms. Jaiganesh S</b> <b>Ms. Kannagi V</b> Mr. Naresh Kumar Thapa Dr. Ponmurugan P	IoT based Automatic Water Clarity Measurement System powered by Solar Cells	07/05/2021	202141020761	11/06/2021	Published
2.	<b>Dr. Inbamalar TM</b> <b>Ms. Jasmine Vijithra A</b> <b>Dr. Gangatharan N</b>	Powerful Wearables for Women Safety	24/01/2021	202141000011A	29/01/2021	Published
3.	<b>Dr. Kannan Krishnan</b> <b>Mr. Sathyaraj Periyasamy</b> <b>Dr. Deepa Dasarathan</b> Mr. Kaviyaraj R	Qos Routing Protocol Design for Manets	20/11/2020	202041050554	04/12/2020	Published
4.	<b>Dr. Shanthi K G</b> <b>Dr. Gangatharan N</b> <b>Dr. Inbamalar T M</b> <b>Ms. Sesha Vidhya S</b> <b>Mr. Babu M</b>	Animal Intrusion Identification System in Plantation Fields using Machine Learning Techniques	12/06/2020	202041044315 A	16/10/2020	Published
5.	<b>Dr.Praveena N G</b> <b>Dr. N. Aishwarya</b> <b>Dr.Gangatharan</b> Ms. Revathi Gunasekaran Ms. Hemachitra V Mr. Arava Jithendar Mr. Gadamseety Naga Venkatasai Manikanta	An IoT based Engine Oil Impurities and Quantity Monitoring System	12/06/2020	202041024727	20/11/2020	Published
<b>ACADEMIC YEAR 2019-2020</b>						
1.	Ms. Akshayaa TM Ms. Apoorva N <b>Dr. Arun C</b> <b>Dr Ganagatharan N</b> <b>Dr. Inbamalar TM</b> Ms. Jayashree T Ms. Jayashree D <b>Mr. Muthumanickam S</b> Mr. Saravanan S	Vibrato-Larynx	25/09/2017	201741033854	08/11/2019	First Examination Report (FER) received

2.	Ms. Abirami S <b>Mr. Babu M</b> Ms. DakshitaJain <b>Dr.Gangatharan N</b> Mr. Gowtham P Mr. Manikandan A <b>Ms. SesaVidhya S</b> <b>Dr. Shanthi K G</b> Mr. Sudharsan GP Mr. Suryah V Mr. Thasbir S K	Animal Impediment using Intelligent Automated System	28/09/2017	201741034442	08/11/2019	First Examination Report (FER) received
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### ACADEMIC YEAR 2015-2016

1.	<b>Dr. Padmavathy T V</b>	Development of a Long-Term Monitoring System Based on Fiber Optic Sensors in Concrete Structures	18/09/2015	4999/CHE/2015	09/10/2015	Reply to FER submitted
2.	<b>Dr. Padmavathy T V</b>	Design and Development of smart sensor for damage detection in Bridges	24/03/2016	7534/CH E/2016	Published	Awaiting for Examination

### ACADEMIC YEAR 2014-2015

1.	Dr. Perumal Pillai E B <b>Dr. Padmavathy T V</b>	Design and Development of Cross Slotted Circular Microstrip Patch Antenna Strain Sensor for Wireless Structural Health Monitoring	16/02/2015	737/CHE/2015	06/03/2015	Awaiting for Examination
2.	Mr. Y.B. Venkatesh Mr. G.Y. Revanth kumar Mr. M. Vignesh Babu	Automatic Irrigation System and Security Surveillance from Living Beings in The Agricultural Field Using Renewable Solar Power Based on WSN	----	669/CHE/2015	27/02/2015	Awaiting for Examination

### ACADEMIC YEAR 2011-2012

1.	<b>Dr. Padmavathy T V</b>	Extension of Network Lifetime for Surveillance Wireless Sensor Networks Using Energy Efficient Routing Protocol	13/02/2012	522/CHE/2012	04/08/2017	Published
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