

**Velagapudi Ramakrishna Siddhartha Engineering College
(Autonomous)**

Intellectual Property Rights

S. No.	Title	Ref. No	Dept.	Patent Filed Date	Published Date, if any	Name of the Faculty	Status	Type
2019-20								
1.	Method of Energy Saving Routing with Path Exploration Using Bio- Inspired Techniques	201941042554	CSE&IT	20 th October 2019	18 th October 2019 (2019-20)	Dr. Ramesh Sekaran Dr. Rizwan Patan Dr. Velmurugan Ramakrishnan Dr. Balakrishnan Pappan	Published	Utility patent
2.	Computer-Implemented Method of Privacy-Preserving Probabilistic Routing with Adopted Techniques of Intermittently Connected Mobile Networks	201941042461	CSE&IT	18 th October 2019	18 th October 2019 (2019-20)	Dr. Uma Maheswari Periyasamy Dr. Sivaram Murugan Dr. Ramesh Sekaran Mr. Shaik Mahamad Shakeer Dr. Rizwan Patan	Published	Utility patent
3.	Method of Efficient Self Scheduling Energy-Management in Big Data Transmission for IoT Applications	201941036127	CSE&IT	7 th September 2019	20/09/2019 (2019-20)	Dr. Rizwan Patan Dr. Ramesh Sekaran	Published	Utility patent
4.	Method for Real-Time Memory Power	201941035482	CSE & IT	3 rd September	20/09/2019 (2019-20)	Dr. Ramesh Sekaran Dr. Rizwan Patan	Published	Utility patent

	Management Using Dynamic Voltage Frequency Scaling (DVFS)			2019				
5.	Method for Secure Location Aware Routing of Intermittently Connected Mobile Ad Hoc Network	201941043841	CSE&IT	29 th October 2019	3 rd November 2019 (2019-20)	Dr. Velmani Ramasamy Dr. Arun Prasath Raveendran Dr. Ramesh Sekaran Dr. Rizwan Patan	Published	Utility patent
6.	Method for Healthcare Big Data Processing & Related Management Thereof	201941041495	CSE&IT	14 th October 2019	25/10/2019 (2019-20)	Dr. Rizwan Patan Dr. Ramesh Sekaran Dr. ArunPrasath Raveendran Dr. Velmani Ramasamy	Published	Utility patent
7.	Method for Maximum Energy Utilization in Internet of Thing Networks	201941040703	CSE&IT	9 th October 2019	18 th October 2019 (2019-20)	Dr. Arun Prasath Raveendran Dr. Suresh Kallam Dr. Uma Maheswari Periyasamy Dr. Rizwan Patan Dr. Ramesh Sekaran	Published	Utility patent
8.	Computer Implemented Method for Information Extraction from Electroencephalogram (EEG) Signals	201941040582	CSE&IT	7 th October 2019	18 th October 2019 (2019-20)	Dr. M. RajasekharaBabu Dr. Ramesh Sekaran Dr. Velmurugan Ramakrishnan Dr. ArunPrasath Raveendran Dr. Rizwan Patan	Published	Utility patent

9.	Method for Energy Efficiency, Response Time Aware Resource Scheduling for Big Data Computing	201941046353	CSE&IT	14/11/2019	29/11/2019 (2019-20)	Dr. Ramesh Sekaran, Dr. Rizwan Patan, Dr. G. Lavanya, Dr.ThirumuruganPon nusamy	Published	Utility patent
10.	Mobile Ad Hoc Network Multicast Routing Method for Reduction of Information Transmission	201941050858	CSE&IT	13/12/2019	13/12/2019 (2019-20)	Dr. Ramesh Sekaran, Dr. Rizwan Patan, Dr. M. VasimBabu, Dr. C. N. S. Vinoth	Published	Utility patent
11.	Computer Implemented Method of Image Classification with Extreme Learning Machine	201941054497	CSE&IT	30/12/2019	03/01/2020 (2019-20)	Dr.SenthilselviAyothi, Mr. Senthil PandiSankareswaran, Dr. Ramesh Sekaran, Dr. Rizwan Patan	Published	Utility patent
12.	Mobile Assembly for Reducing Effect of Cellular Phone Radiation	202041000517	CSE&IT	06/01/2020	10/01/2020 (2019-20)	Dr.Velmani Ramasamy, Dr.Sathishkumar Ramasamy, Dr. Rizwan Patan, Dr. Ramesh Sekaran	Published	Utility patent
13.	Vehicle Routing Method Using Networked Roadside Units with Internet of Things (IoTs)	202041005450	CSE&IT	07/02/2020	07/02/2020 (2019-20)	Dr. Rizwan Patan, Dr. Nithya Rekha Sivakumar, Amin Salih Mohammed, Dr. Ramesh Sekaran	Published	Utility patent
14.	Smart Quarantine Shelters For Potential Risk Patients Using	2020101145	CSE&IT	25/06/ 2020	15/07/2020 (2020-21)	Sekaran, Ramesh; Kavadi, Durga Prasad; Raveendran,	Granted (International) – G_IP_1	Innovation Patent

	Iot					Arunprasath; Ramasamy, Velmani; Kallam, Suresh And Patan, Rizwan		
15.	Advance Metering Infrastructure System For Large Scale Iot Networks Data Collection By Streaming	2020101173	CSE&IT	28 /06/2020	22/07/2020 (2020-21)	Patan, Rizwan; Mohamed, Mohamed Yasin Noor; Abbas, Mohamed; Kallam, Suresh And Sekaran, Ramesh	Granted (International) G_IP_2	Innovation Patent
16.	Privacy Preserving Ant Routing Protocol	L-104561/2021	CSE&IT	25/06/2020 (2019-20)	17/06/2021 (2019-20)	Dr. Ramesh Sekaran& Dr. Rizwanpatan	Registered R_CP_1	Copy Right
17.	Proposed An Optimization Algorithm For Real Time Big Data Stream Processing	L-104562/2021	CSE&IT	25/06/2020 (2019-20)	17/06/20 (2019-20)	Dr. Rizwanpatan Dr. Ramesh Sekaran	Registered R_CP_2	Copy Right
18.	Computer Implemented Method for Classification of Microcalcification Clusters in Digital Mammograms Using Hybrid Wavelet Features	201941046193	CSE	13/11/2019	29/11/2019 (2019-20)	Dr. Rizwan Patan, Dr.SivaramMurugan, Dr.SanjeeviPandiyan , Dr. Manikandan Ramasamy, Dr. GGS Pradeep	Published	Utility patent
19.	System and Method for Data Security Using DNA Cryptography Based Encryption	201941039845	CSE	01/10/2019	18/10/2019 (2019-20)	. Dr.D.Rathna Kishore D Suneetha Dr. Rizwan Patan Dr. K.Suresh	Published	Utility patent
20.	System For Real-	201911040601	CSE	07/10/2019	18/10/2019	. Dr. Suyel	Published	Utility patent

	Time Predicting And Detecting Heart Attack Using IoT Sensors & Cloud Computation				(2019-20)	Namasudra Dr. Rizwan Patan Prof. Deepak Garg		
21.	System And Method For reducing the antenna radiation of a portable electronic device	201941035228	CSE	14/11/2019	03/01/2019 (2019-20)	L.Sharmila Dr.U.Sakthi Dr.T.G.Arul Dr.P.Varatharaju Dr. Sobhana M Narayana L Dr.S.K.Manju Bargavi	Published	Utility patent
22.	Data Traffic Analysis Based Iot Detection Using HoneyNet Data Classification Techniques	201941043184	CSE	24/10/2019	1/11/2019 (2019-20)	Dr. V. Kalpana Dr.M.Sobhana Dr.M.Senbagavalli	Published	Utility patent
23.	System And Methods For Predicting Coastal Zone Risk Using Meteorological And Geospatial Data	201941046407	CSE	14/11/2019	21/05/2021 (2020-21)	Dr. S. Vasavi P.Gnana Vivek (St) L.Dinesh (St)	Published	Utility patent (Student)
24.	Development of web based tools for online/offline inclusion of value added services and analysis on Bhuvan for high resolution satellite Imagery (Industry)	202041000554	CSE	06/01/2020	09/07/2021 (2021-22)	Dr. K. Suvarna Vani	Published	Utility patent
25.	Method and system for identifying integrity of physical	202041010236	CSE	10/03/2020	17/09/2021 (2021-22)	Dr. Ch. Rupa Sumanth (St), KS technology	Published	Utility patent (Student & Industry)

	currency							
26.	Method for Cyber Security In Email Communication Among Networked Computing Devices	202031002649	CSE	21/01/2020	07/02/2020 (2019-20)	Kumar Devadutta, Dr. Pankaj Bhambri, Debasis Gountia, Dr. Vaishali Mehta, Dr. Monika Mangla, Dr. Rizwan Patan Anil Kumar Puneeth Kumar Agarwal Anupama Sharma Mandeep Sing Dr. Ajay B G	Published	Utility patent
27.	Method for Scheduling Of Health-Care Facility & Health Care Resources Using IoT Technology	202041006390	CSE	14/02/2020	21/02/2020 (2019-20)	Dr. Manikandan, Dr. Prassanna Mr. Gunasekaran Mr. Hariharan Dr. Rizwan Patan	Published	Utility patent
28.	Vehicular Network System of Roadside Unit (RSU) For Monitoring Traffic Information Using Multi-Path Recognition	202041008238	CSE	27/02/2020	06/03/2020 (2019-20)	Dr. Rajkumar Dr. Rizwan Patan, Dr. Prassanna Mr. Hariharan Dr. Manikandan	Published	Utility patent
29.	Intelligent thermal scanning kit for testing the covid-19 positivity, Negativity and displaying real time count of positive case for using Iot, Machine Learning	202041015755	CSE	11/4/2020	5/6/2020 (2019-20)	Dr G. Anuradha Dr N Satheesh Dr. P. Udayakumar S.A. Kalaiselvan Dr. M. Venkata Rao	Published	Utility patent

30.	Computer Implemented Method for classification of Microclassification Clusters in Digital Mammograms	202041027594	CSE	29-06-2020	10-07-2020 (2020-21)	Dr. G.S. Pradeep Mr. Sai Krishna Dr. Rizwan Patan Dr. Durga Prasad	Published	Utility patent
31.	System And Method For Reducing The Antenna Radiation Of A Portable Electronic Device	201941046257S	CSE	14/11/2019	03/01/2020 (2019-20)	1 . Mrs. L. Sharmila 2 . Dr. U. Sakthi 3 . Dr. T. G. Arul 4 . Dr. P. Varatharaju 5 . Dr. Sobhana Mummaneni 6 . Mr. Natrayan L 7 . Dr. S. K. Manju Bargavi	Published	Utility patent
32.	Automatic Tollbooth Collection System Using RFID With IOT	202021011522	EIE	17/03/2020	27/03/2020 (2019-20)	Dr.G.Murugan Dr.S.Sudhakar Dr.Kolla Bhanu Prakash Mr.Sri Hari Nallamala Mrs. Sushma Chowdary Polavarapu Dr.M.Malathy Ms.T.M.Nithya Dr.V.Keerthika Mr.S.S.Raju	Published	Utility patent
33.	IOT And Blockchain-Enabled Smart E-Vehicle Charging System	202041020699	EIE	16/05/2020	05/06/2020 (2019-20)	Mr. Sri Hari Nallamala Dr. Pankaj Dadheech Mr. Aabhas Mathur Dr. K.V. D.Kiran Mrs. Sushma	Published	Utility patent

						Chowdary Polavarapu Dr.S.Geetha Dr. J. Martin Leo Manickam Dr. S. Jayasundar Mrs. Kranthi Madala Dr J.Madhusudanan Mr. Veenanand Kakarla		
34.	Computer-Implemented System And Method To Predict Mental State Of An End-User In Real-Time	202041025477	IT	17.06.2020	24/12/2021 (2021-22)	Dr. Sandeep P. Likitha (st), M. Phalguni, Dr. M. Suneetha	Published	Utility patent (Student)
35.	An Automated IoT Based Water Filtering Technique	327809-001	IT	03-03-2020	16/10/2020 (2020-21)	Dr.Venkata Kishore Kumar Rejeti Dr. Jaideep Gera Vasumathi Devi Majety Dr. Sangeetha Yalamanchili B.M.S.Rani	Published /Granted R_DP_1	Design Patent
36.	CSFB: COLDSETTING FLYASH BUILDING CONSTRUCTION MATERIALS	202041000844	CE	08/01/2020	17/01/2020 (2019-20)	Dr. K. Lakshmi	Published	Utility patent
37.	Smart Electronic Device and System For Object Preserving and Tracking	202041008782	MCA	02-03-2020	06-03-2020 (2019-20)	Dr.B.D.C.N Prasad K.Anji Reddy Dr.V.Esther Jyothi Dr.R.Kiran Kumar Ms.V.Sowjanya	Published	Utility patent

38.	System And Method To Predict Product tm s Freshness Status And Manage Its Delivery	202041026062	Mathematics & MCA	20/06/2020	03/07/2020 (2020-21)	Dr.K.Hemalatha Dr.J.Siva Ram Prasad .M.V.D.N.S Madhavi D.Rajani Dr.Bdcn Prasad(MCA))	Published	Utility patent
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