

**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
<b>2021-22</b>								
1.	Generation of Reference Current Using Single Phase Source-Load System Based Control Algorithm for STATCOM	202141030198	EEE	05/07/2021	16.07.2021 (2021-22)	Dr. J. Ramesh Dr. P Chandra Babu Naidu Mr. Suneel Tummapudi	Published	Utility patent
2.	A Pseudo Linear Enhanced Phase-Locked Loop-based Control System for Control of Distribution Static Compensator in Distribution Network	202141060806	EEE	26/12/2021	04.02.2022 (2021-22)	Dr. J. Ramesh Dr. P Chandra Babu Naidu	Published	Utility patent
3.	Wind solar hybrid electric vehicle	202022100 3165	EEE	20/01/2022	28.01.2022 (2021-22)	Balusu Srinivasa Rao	Published	Utility patent
4.	Electric Field Distribution Factor For Optimization Of	202241016653	EEE	24/03/2022	01.04.2022 (2021-22)	Dr Venkateswara Rao Bathina	Published	Utility patent

	Gas Insulated Bus Duct							
5.	Architecture Of A Power Management Device For Smart Grid Innovation	202241026737	EEE	09/05/2022	13.05.2022 (2021-22)	Dr. K Dhananjay Rao Dr. A Veera Reddy	Published	Utility patent
6.	Streetlight Controller	366947-001	EEE	29/06/2022	-	Dr. N Vamsi Krishna Mr. Madhasudana Rao Dr. A Veera Reddy	Filed	Design Patent
7.	Fuzzy Logic Controlled Traffic Light Controlling System Using Morphological Operators With Image Sta	202141030418	IT	07/07/2021	16/07/2021 (2021-22)	MadhaviLatha Pandala	Published	Utility patent
8.	Artificial Intelligence Tool For Rice Leaf Disease Detection And Classification	202141035807 A	IT	09/08/2021	27/08/2021 (2021-22)	Madhavi katamaneni, P.Ramya, G.Geetha	Published	Utility patent
9.	Virtual Doctor To Detect The Patient Heart Beat And Body Temperature Monitoring	202141057189	IT	9/12/2021	04/02/2022 (2021-22)	G.JayaLakshmi Sai Venkata Raman T O. Rama Devi D. Saravanan Anjali Suresh Prasanna Mohan Jagatheesan Alagesan Fatima M Inamdar Durgacharan Arun	Published	Utility patent

						Bhagwat Anitha Padigapat D. Stalin David		
10.	Artificial Intelligence And Machine Learning Based Intelligent System To Improve The Quality Of Video Call Experience	202241001299	IT	10/01/2022	01/02/2022 (2021-22)	G.Geetha	Published	Utility patent
11.	Iot Cloud And Big Data Based Wearable (2.0) Health-Care System To Enhance Healthcare Sector	202141062285	IT	21/12/2021	04/02/2022 (2021-22)	Dr.T.Anuradha	Published	Utility patent
12.	An Iot & Machine Learning Bases Method Of Communicating A Digital Message With An Information Signal Using Cloud Computing	202241002257	IT	14/01/2022	28/01/2022 (2021-22)	Dr.K.Sita Kumari	Published	Utility patent
13.	The Role Of Iot And Cloud Computing Technology In	202141055257	IT	29/11/2021	10/12/2021 (2021-22)	N.Praveena	Published	Utility patent

	Modern Digital Education Systems							
14.	Phishing Web Classification Based On Uniform Resource Locator In Cloud Technology	202141060316	IT	23/12/2021	31/12/2021 (2021-22)	Madhavi Katamaneni	Published	Utility patent
15.	Artificial Intelligence Tool For Covid-19 Detection From Chest X-Ray Image Classification	202241010152A	IT	25/02/2022	25/03/2022 (2021-22)	MadhaviLatha Pandala	Published	Utility patent
16.	Artificial Intelligence Based Approach To Monitor And Analyse The Activities Of Bank Operations	202241003756	IT	23/01/2022	04/02/2022 (2021-22)	Dr S.Suhasini	Published	Utility patent
17.	Iot Based Smart Farming For Automatic Weather Forecasting And Monitoring Moisture Levels To Prevent Crop DamagingFor Higher Crop Yield	202241025317	IT	29/04/2022	13/05/2022 (2021-22)	M. Ramesh	Published	Utility patent
18.	Soil And Plant Health Assisting Using Machine Learning	202241023753	IT	22/04/2022	13/05/2022 (2021-22)	K. Pranathi	Published	Utility patent
19.	Iot And Blockchain Based Agri Supply Chain	202241029483	IT	23/05/2022	03/06/2022 (2021-22)	S. Kranthi	Published	Utility patent

20.	Method, System And Device For Crop Detection Blockchain Based	202141042413	CSE	20/09/2021	05/11/2021 (2021-22)	Rupa Ch	Published	Utility patent
21.	Model of Intelligent Smart Medicine Box for Elderly People	202141054350	CSE	24/11/2021	10/12/2021 (2021-22)	Dr . Kudipudi Srinivas	Published	Utility patent
22.	Design of innovative gateway to identify covid symptoms using Iot	202241005032A	CSE	30/01/2022	25/02/2022 (2021-22)	M.vani pujitha, Dr.A.vimala j□ijayaDr.gururaj murtugudde Dr. M. Maghimaa Dr.T.Ponnasri Dr.J.Mohana Dr.N.Madhanakkumar W.Stanley karunakaran K.Balaji A.Ashdeep Singh	Published	Utility patent
23.	Temperature Sensor Based Screening For Prevention Of Spread Of Covid-19	202241002791	CSE	18.01.2022	01.2022 (2021-22)	Dr. N Vijayalakshmi Dr S Sivakumar <b>M.Madhavi</b> S Pandit Kumar K Sudhakar Dr E Karthikayen	Published	Utility patent
24.	Driver Motivation System	364012-001	CSE	11.05.2022	-	Dr. K. Praveen Kumar, Pindra Lakshmi Kumari (St) Purama Vasanthi (St) Yenugudhati Lahari	Filed	Design Patent <b>(Student)</b>

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25.	Health Monitoring Device	363287-001	CSE	27.04.2022		Dr.K.Suvarna Vani Dr.K.Praveen Kumar Mrs.K.S.Vijaya Lakshmi	Accepted	Design Patent
26.	Outliers Detection With Stepwise Multiple Regression In High Dimensional Data	202241035418	CSE	21/06/2022	24/06/2022 (2021-22)	Dr. Anuradha Chinta	<b>published</b>	Utility patent
27.	Mathematical Combinations- Based System and Method for Optimized Travel Itinerary	202141056902	MCA	07/12/2021	10/12/2021 (2021-22)	<b>Dr. B.D.C.N. Prasad,</b> Dr.Suripeddi Srinivas B.Murali Mohan Rao	Published	Utility patent
28.	Smart Drinking Water System	202141057461	MCA	10/12/2021	17/12/2021 (2021-22)	Narayananan Madeshan Avinash Seekoli <b>Dr.K.Parish Venkata Kumar,</b> Akkala Abhilasha	Published	Utility patent
29.	Cultivation of Agricultural Data Using IoT	202241000094	MCA	03/01/2022	14/01/2022 (2021-22)	1. Mr. Dasari Lokesh Sai Kumar 2. Dr. Veerapaneni Esther Jyothi, Dr. A. Gautami Latha	Published	Utility patent
30.	ML and DL Techniques based Breast-Cancer discovery by using Relative-Analysis	202241006231	MCA	05/02/2022	11/02/2022 (2021-22)	1. Mupparaju Prasanna Lakshmi, 2. <b>Swathi S</b> 3. <b>Nivedhitha P</b> 4. <b>Fathima Mubarakka</b>	Published	Utility patent
31.	Magneto Hydrodynamic Heat	202141033308	Maths	24/07/2021		1 . Dr. Nallapati Vedavathi	Published	Utility patent

	Transfer Using Water-Based Nanofluids With Soret And Viscous Dissipation Effects				06/08/2021 (2021-22)	2 . Dr. Ch. Baby Rani 3 . Dr. Shaik Mohiddin Shaw 4 . Dr Nagaraju Dasari 5 . Dr. Noorbhasha Rafi 6 . Dr. Balaiah Mothukuri 7 . Dr. Munagala Babu Prasad 8 . Dr. Narayana Boppana 9 . Dr. K.S. Bala Murugan 10 . Dr. G. Dharmaiah		
32.	Method For Implementing Satin Bowerbird Optimization (Sbo) Algorithm For Maximum Power Point Tracking In Solar Photovoltaic (Pv) System	202141052148	EIE	13/11/2021	03/12/2021 (2021-22)	Paruchuri Srinivas P. Swapna	Published	Utility patent
33.	Clustering Protocol For Mobile Adhoc Networks	202141040835	EIE	09/09/2021	17/09/2021 (2021-22)	Dr. M V S S Nagendranath Maganti Srinivas	Published	Utility patent
34.	Integrated optical MEMS serially coupled double race track resonator based accelerometer and	202141040452	EIE	07/09/2021	24/09/2021 (2021-22)	1 . Dr.Venkateswara Rao Kolli 2 . Dr. Dudla Prabhakar <b>3 . D. Anusha</b>	Published	Utility patent

	high Q-factor photonic crystal microring -resonator based pressure sensor					4 . Dr. Srinivas Talabattula		
35.	Deep Learning Based Intelligent Method For EEG Signal Analysis For Neurological Disorders Diagnosis	202141059579	EIE	21/12/2021	31/12/2021 (2021-22)	1 . Dr. C. S. S. Anupama 2 . Dr. E.Laxmi Lydia 3 . Pradeep Kumar Bhatia 4 . Prof.(Dr.) Bhagirathi Nayak 5 . Dr. Sunil Kumar 6 . Vivek Kumar 7 . Dr. Neeraj Pratap 8 . Dr. Papri Das 9 . Megha Sharma 10 . Santhosh Kumar K B	Published	Utility patent
36.	Method for Providing a Multi Directional Theft Monitoring System for Tracking Vehicles and Alerting Owners in Real-Time	202241004999	EIE	29/01/2022	04/02/2022 (2021-22)	Dr.A. Sumalatha, S. Kalpana, M.Kranthi	Published	Utility patent
37.	Integrated airless wheel	348201-001	ME	22/08/21	12/10/21 (2021-22)	Karteek Navuri, <b>Dr. M. Balaji,</b> M. Venkataiah, Dr. D.Brahmeswara Rao, Vookoti Uma Sai Vara Prasad,	Published/ Granted R_DP_4	Design Patent



38.	Multiple Nut Remover	352426-001	ME	31/10/21	-	Dr. K V Durga Rajesh Sriram Swaroop Rejeti <b>Dr. G. Jamuna Rani</b> Dr. P. Gangadhara Rao	Filed	Design Patent
39.	INTEGRATED AIRLESS WHEEL	355127-001	ME	19/12/2021	22/04/2022 (2021-22)	Karteek Navuri, <b>Dr. M. Balaji,</b> <b>Dr. G. Dilli Babu</b> Dr. K. Venkata Rao	Granted/ Published R_DP_5	Design Patent
40.	Multipurpose manual control robotic arm	345765-001	ME	25/07/2021	01/10/2021 (2021-22)	B Saikrishna Srikar V Sridhar B Kiran Kumar D Navya,	Granted/ Published R_DP_6	Design Patent
41.	Negative stiffness tyre	359848-001	ME	04/03/2022	-	Karteek Navuri, <b>Dr.Ch. Nagaraju</b> Dr. K. Venkata Rao Putti Venkata Siva Teja	Filed	Design Patent
42.	Integrated Airless Wheel for Motor cycle	366794-001	ME	26/06/22	-	Karteek Navuri, Dr. Mallapuram <b>Bala Chennaiah</b> Dr. M. Sumalatha Devara Srinu	Filed	Design Patent
43.	A Method of preparation of biofuel	202241032373	ME	08/06/2022	10/06/2022 (2021-22)	A.N.Phani Deepthi	Published	Utility patent
44.	Excess Water Removing	202241037656	ME	30/06/2022	8/07/2022	Dr. V.V.Venu Madhav	Published	Utility patent

	Techniques from the Crop Fields				(2022-23)	Dr. Ch. Sri Chaitanya V.V. Spandana		
45.	Microwave Amplitude And Phase Distribution Network	202211014232	ECE	16/03/2022	--	Vummadi Praveen Naidu Munagoti Bhagya Lakshmi Katari Naga Sunanda Kalva Sri Rama Krishna Neti Narasimha Sastry	Filed	Utility patent
46.	Cloud Computing Based Techniques To Track The Cabs	202241004343	ECE	26/01/2022	04/02/2022 (2021-22)	p v ijayakumar	Published	Utility patent
47.	Video Streaming Over Cognitive Radio Network	202141048115 A	ECE	22/10/2021	29/10/2021 (2021-22)	Dr. M. Padmaja Dr. A. Jhansi Rani K. Prasuna	Published	Utility patent
48.	Adaptive Reception-Transmission Scheduling For A Reliable 5g Network	202141048117 A	ECE	22/10/2021	29/10/2021 (2021-22)	Dr. A. Jhansi Rani Dr. M. Padmaja K. Prasuna	Published	Utility patent
49.	An Iot Integrated Blockchain Technique To Handle Security Information Over Cloud	202241005364	ECE	01/02/2022	11/02/2022 (2021-22)	A Ravi Raja	Published	Utility patent
50.	An Iot Based System To Monitor The Wards Travelling Through School Buses	202241004828	ECE	28/01/2022	04/02/2022 (2021-22)	Shaik Fayaz Ahamed	Published	Utility patent
51.	A Smart Iot Based Application To Support And	202241006214	ECE	05/02/2022	11/02/2022 (2021-22)	R V H Prasad	Published	Utility patent

	Monitorbank Accounts Of An Organization							
52.	An Artificial Intelligence Based Approach To Analyze The Multi-Channel Queries Of E-Commerce Sites	202241005805	ECE	03/02/2022	11/02/2022 (2021-22)	G VENKATA SUBBAIAH	Published	Utility patent
53.	An Iot Based Health Monitoring System To Facilitate treatment During Pandemic	202241005440	ECE	01/02/2022	11/02/2022 (2021-22)	Dr. A Vijayasankar	Published	Utility patent
54.	Machine learning based technique to analyse the data of covid patients and chance for getting infected with other variants	202241010381	ECE	26/02/2022	04/03/2022 (2021-22)	SIVA REDDY VANGA	Published	Utility patent
55.	An AI Powered Facial Recognition Systems Trough Face Mask	364036-001	ECE	11/05/2022	11/05/2022 (2021-22)	Venkata Ratna Prabha K	Published	Design Patent
56.	A sustainable lightweight geopolymers building blocks with pet flakes, ggbs and flyash	202241034481	CE	16/6/2022		Dr. Anuja Charpe	Filed	Utility patent