

List of Patents Granted/Published during 2022 - 2023

Sl. No.	Name of the Faculty	Title of the Patent	Patent Publication Number / Patent Granted Number	Patent Filed Date (DD/MM/YYYY)	Patent Published Date / Granted Date (DD/MM/YYYY)	Status of Patent (Published / Granted)
1	A.Vinisha	Brain Tumor detection and classification and segmentation of MRI using Deep Learning Techniques	202241038247A	07-04-2022	08-07-2022	Published
2	A.Vinisha	Evaluation of the influence of RCA in increasing the mechanical strength of cementing composites	202241035920A	22-06-2022	01-07-2022	Published
3	Pillalamarri Laxman	A novel apparatus for drowning accident prevention system using buoyancy powered scissor elevator	202211043861A	01-08-2022	12-08-2022	Published
4	Dr .Anitha Bujunuru	Development of an embedded system for data acquisition in an unmanned aerial vehicle	202241049039A	27-08-2022	09-09-2022	Published
5	Dr. Md Rashid Mahmood	An apparatus and method for optimization of cellular antenna orientation based on cluster strength using an applied edge-artificial intelligence system thereof	202241052616A	14-09-2022	23-09-2022	Published
6	R. Shashikala	Biotelemetry and the Internet of Things-based Intelligence Healthcare Monitoring Systems	202241064692 A	11-11-2022	25-11-2022	Published

7	Pillalamarri Laxman	System of GPs power supply provision for improved safety and tracing	202211063741A	08-11-2022	18-11-2022	Published
8	R. Shashikala	Analytics of Big Data Based on Machine Learning and Data Science for Patients Suffering from Lung cancer	202241066835 A	21-11-2022	25-11-2022	Published
9	R. Shashikala	Artificial Intelligence (AI) and dynamic voltage restorer (DVR) based	202241065204 A	14-11-2022	25-11-2022	Published
10	K. Sandeep Reddy	Human Resource Practices in Medium Size Garment Industrial Units	202241034617	16-06-2022	22/7/2022	Published
11	Dr. Ch. Naga Ramya Kiran	Human Resource Practices in Medium Size Garment Industrial Units	202241034617	16-06-2022	22/7/2022	Published
12	Dr.A.Ugendhar	ML strategy for performance enhancement of phase change material for a smart control solar application	202241059633 A	19/10/2022	28-10-2022	Published
13	Nitesh Vibhute	Design and implementation of an intelligent artificial ventilator for the covid 19 situation	202241068992A	30-11-2022	09-12-2022	Published
14	Suyash Agrawal	Method and system for predicting crime rate using cyber security and artificial intelligence (AI) models	202241040342 A	14-07-2022	22-07-2022	Published
15	Dr.Syed Omar Ballari	Plastic waste Management System	373303-001	30-03-2022	31-10-2022	Published
16	M. Vamshi Krishna	Strength Behaviour of Beams prepared With Fly ash and	202241073301A	17-12-2022	30-12-2022	Published

		Glass Fibre concrete Under Static and Cyclic Loading				
17	Rajesh D V S P	Recycled Aggregate as Constituents of Base and Sub-Base Layers for Rural Roads	202241073807 A	20-12-2022	30-12-2022	Published
18	A. Narendra Reddy	Recycled Aggregate as Constituents of Base and Sub-Base Layers for Rural Roads	202241073807 A	20-12-2022	30-12-2022	Published
19	Dr. Syed Omar Ballari	Systematic approach for monitoring the pollution control in smart cities and addressing the security challenges integrated with IOT	202241055171	27/5/2022	07-10-2022	Published
20	Dr. Syed Omar Ballari	A System For Porous Flow Approach To Modelling Mixed Traffic	3337	25-03-2022	31-08-2022	Granted
21	M.V. Anjana Devi	Method and system for predicting crime rate using cyber security and artificial intelligence (AI) models	202241040342 A	14-07-2022	22-07-2022	Published
22	Mr.D.Saidulu	Framework For IoT Based Smart Agriculture Monitoring System Using Cloud Computing Techniques	202241016057	23/3/2022	04-08-2022	Published
23	Dr. V Ravi Kumar	Ethanolic extract of <i>Argyreia nervosa</i> with anticonvulsant and anxiolytic activity	202241062745A	06-10-2022	18-11-2022	Published
24	Gomathi Periyasamy	Indole moiety bearing schiff's base-n1,n2-bis[(1 h-indol-3-yl)-methylene]-benzene-1,2-	202241073480 A	19-12-2022	30-12-2022	Published

		diamine:conventional synthesis versus green synthesis				
25	Gomathi Periyasamy	Ulcer protective activity of a novel pyrazoline derivative	202241065306 A	15-11-2022	25-11-2022	Published
26	Gomathi Periyasamy	Synthesis and antioxidant activity of unsymmetrically substituted urea based small molecules	202241052443 A	14-09-2022	23-09-2022	Published
27	Gomathi Periyasamy	Design, synthesis and in vitro evaluation of novel pyrazoline derivatives as potent antioxidants	202241046656 A	17-08-2022	26-08-2022	Published
28	Mr B Lalu	Advanced Generative Process Model with NLP AND Supervised Machine Learning for Sentiment Analysis	202241061206	27-10-2022	18-11-2022	Published
29	Gomathi Periyasamy	A method for treating microbial growth using bicarbonate with thiocyanate	202241042236A	23-07-2022	19-08-2022	Published
30	Nitesh Vibhute	Design And Implementation Of An Intelligent Artificial Ventilator For The COVID 19 Situation	202241068992 A	30/11/2022	9-12-2022	Published
31	Gomathi Periyasamy	A Method For Treating Microbial Growth Using Bicarbonate With Thiocyanate	202241042236A	23/07/2022	19/08/2022	Published
32	Gomathi Periyasamy	Design, Synthesis And In Vitro Evaluation Of Novel Pyrazoline Derivatives As Potent Antioxidants	202241046656 A	17/08/2022	26/08/2022	Published

33	Gomathi Periyasamy	Ulcer Protective Activity Of A Novel Pyrazoline Derivative	202241065306 A	15/11/2022	25/11/2022	Published
34	Gomathi Periyasamy	Indole Moiety Bearing Schiff's Base-N1,N2-Bis[(1 H-Indol-3-Yl)-Methylene]-Benzene-1,2-Diamine:Conventional Synthesis Versus Green Synthesis	202241073480 A	19/12/2022	30/12/2022	Published
35	Suyash Agrawal	Method And System For Predicting Crime Rate Using Cyber Security And Artificial Intelligence (Ai) Models	202241040342 A	14/07/2022	22/07/2022	Published
36	Dr. V Ravi Kumar	Ethanolic extract of Argyreia nervosa with anticonvulsant and anxiolytic activity	202241062745A	06-10-2022	18/11/2022	Published
37	Dr.Syed Omar Ballari	A System for Porous Flow Approach to Modelling Mixed Traffic	2022/03337	30-03-2022	31-08-2022	Published
38	M. Vamshi Krishna	Strength Behaviour of Beams prepared With Flyash and Glass Fibre concrete Under Static and Cyclic Loading	202241000000	17-12-2022	31-12-2022	Published
39	Rajesh D V S P	Recycled Aggregate as Constituents of Base and Sub-Base Layers for Rural Roads	202241073807 A	20-12-22	30-12-22	Published
40	A. Narendra Reddy	Recycled Aggregate as Constituents of Base and Sub-Base Layers for Rural Roads	202241073807 A	20-12-22	30-12-22	Published
41	M.V. Anjana Devi	Method And System For Predicting Crime Rate Using Cyber Security And Artificial Intelligence (Ai) Models	202241040342 A	14/07/2022	22/07/2022	Published

42	Nitesh S Vibhute	Design And Implementation Of An Intelligent Artificial Ventilator For The Covid 19 Situations	202241068992 A	30/11/2022	09-12-2022	Published
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45	Dr. Md Rashid Mahmood	An apparatus and method for optimization of cellular antenna orientation based on cluster strength using an applied edge-artificial intelligence system thereof	202241052616	14-09-2022	23-09-2022	Published
46	R. Shashikala	Biotelemetry and the Internet of Things-based Intelligence Healthcare Monitoring Systems	202241064692 A	11-11-2022	25-11-2022	Published
47	Pillalamarri Laxman	System Of Gps Power Supply Provision For Improved Safety And Tracing	202211063741	08-11-2022	18-11-2022	Published
48	R. Shashikala	Analytics of Big Data Based on Machine Learning and Data Science for Patients Suffering from Lung cancer	202241066835	21-11-2022	25-11-2022	Published
49	R. Shashikala	Artificial Intelligence (Ai) And Dynamic Voltage Restorer (Dvr) Based Efficient Power Quality Improvement System	202241065204 A	14-11-2022	25-11-2022	Published

50	POOJA KULKARNI	Design And Implementation Of An Intelligent Artificial Ventilator For The covid 19 Situation	202241068992 A	30/11/2022	9-12-2022	Published
51	Dr.B.Veeramallu	Deeplearning andArtificialintellence based system for future cyber crime rate	202341013957A	02-03-2023	17-03-2023	Published
52	Dr.A.Ugendhar	Design and Development of Multi-Layered Security System using Cryptography and Steganography	20234101440A	12-03-2023	17-03-2023	Published
53	Dr.A.Ugendhar	Machine Learning and Artificial Intelligence Techniques for Intrusion Detection in Network Security	202341006900A	03-02-2023	10-02-2023	Published
54	Dr Ravi Aavula	AN SDN Architecturefor separating data and conrol panes for efficiency in network security	202241073689	19-12-2022	13-01-2023	Published
55	Dr Ravi Aavula	Deeplearning andArtificialintellence based system for future cyber crime rate	202341013957A	02-03-2023	17-03-2023	Published
56	Mr.Arun Singh Kaurav	A System for Routing Security and Traffic Management in 6G-Vanet Against Network Layer Attacks	202321005653	28-01-2023	10-02-2023	Published
57	DR.S.GUNASEKARAN	Automatic Rapid Method For Detection Of Covid-19 Disease Using Deep Neural Networks And Image Processing	202341028637	20-04-2023	05-05-2023	Published

58	Dr. Chokkamreddy Prakash,	IoT Based Hybrid Learning System: Overcoming Limitations and Facilitating Personalized and Sustainable Education Exploring Gender and Occupational Differences in Learning Pace, Style, and Interests When Using IoT Devices and Sensors	202341039738	10-06-2023	30/06/2023	Published
59	P. Prasanna,	IoT Based Hybrid Learning System: Overcoming Limitations and Facilitating Personalized and Sustainable Education Exploring Gender and Occupational Differences in Learning Pace, Style, and Interests When Using IoT Devices and Sensors	202341039738	10-06-2023	30/06/2023	Published
60	Dr.K.Veera Reddy,	Laplace transform to solving the partial differential equation in terms of its application	202341015808	09.03.2023	17.03.2023	Published
61	Dr.K.Veera Reddy	A System for detecting dissipation effects in convective heat and mass transfer through nanofluid	202341021231	24.03.2023	07.04.2023	Published
62	Dr.Syed Omar Ballari	Plastic Waste Management System	373303-001	30-10-2022	16/01/2023	Granted
63	Dr Shaik Harun Rasheed	Process For Producing Complexes Of Piperonyl-Butoxide-Cyclodextrin And An Antiviral Agent	202341015478A	08-03-2023	17/03/2023	Published

64	Gomathi Periyasamy	Quantification Of Polysaccharides Of Manilkara Hexandra Bark	202341016349 A	11-03-2023	17/03/2023	Published
65	Chandan Mohanty	Herstellung eines auf Lipiden basierenden Nanoträgers zur Verabreichung eines Antibiotikums	20 2022 107 073 (German Patent)	19/12/2022	23/01/2023	Published
66	Dr. V Ravi Kumar	Nifedipine loaded Chitosan Nanoparticles and Preparation Method Thereof	202341016434	14/02/2023	17/03/2023	Published
67	Dr. V Ravi Kumar	Biological Oxygen Demand Incubator	382278-001	15/04/2023	25/05/2023.	Granted
68	Rajala Srikala	Synthesis, Antiglycating and Antioxidant Activity of Unsymmetrically Substituted Urea Based Small Molecules	202341042907A	27/06/2023	22/09/2023	Published
69	Segu Prathyusha	Medical Plant Extraction Machine	628670	30/05/2023	14/06/2023	Granted
70	Gomathi Periyasamy	Isolation of anthocyanins from two forms of Brassica oleraceae	202341035853 A	23/05/2023	16/06/2023	Published
71	R.Shashikala	An Innovative Approach to Artificial-Intelligence-Enabled Intelligent 6G Networks.	202341015651 A	09-03-2023	17/03/2023	Published
72	Dr Vikas Maheshwari	An Advanced Automatic Weed Digger System	202341028899	20-04-2023	05-05-2023	Published
73	Dr. B. Mythily Devi	Cloud IoT interconnected based patient healthcare analysis system	202341026645	10-04-2023	05-05-2023	published
74	Dr. Santosh Kumar Dwivedi	Oval Shaped VLSI Chip	6284567	21/05/2023	02-06-2023	Granted

75	R. Shashikala	A Systematic Investigation of The Reduction of Leakage Current with CMOS VLSI Circuit Using	202341036105 A	24/05/2023	16/06/2023	Published
76	Pillalamarri Laxman	Removable Energy Storage System	202311042413	24/06/2023	21/07/2023	Published
77	Dr. Vikas maheshwari	Oval Shaped VLSI Chip	6284567	21/05/2023	02-06-2023	Granted