

Galgotias College of Engineering & Technology

Patent (2021-22)

Sl. No.	Title of the Patent	Inventor/s Name	Patent Application No.	Patent Filed Date (DD/MM/YYYY)	Patent Published Date / Granted Date (DD/MM/YYYY)	Patent Publication Number / Patent Granted Number	Status of Patent (Published / Granted)
1	Hard Waste and Soft-Waste Convert Value-added Products	Sadasivuni, Hemambika; Garg, Rishav; Singh, Virender; Tripathi, Manoj; Srivastava, Priyank;	2021102337	03-05-2021	09/06/2021	2021102337	Granted
2	HYBRID NETWORK FOR REAL-TIME TRACKING USING MACHINE TO MACHINE	PUNITHA, A. ; PRASAD, M. ; SHANTHI, S. ; DEO, RAJESH NARAYAN ; SARITHA, G. ; ANITA SOFIA LIZ, D. R. ; YADAV, MALA ;	2021103546	22/06/2021	21/07/2021	2021103546	Granted
3	IoT and Machine Learning-based Headlight Intensity Changing device for	Tulasi krishna gannavaram, Akhilesh singh, Venkat chinmai sai, venkat praveen	2021101737	04-06-2021	09/06/2021	2021101737	Granted
4	Secure Detection Method for IoT Information Collection Systems using NOMA	AMBIKAPATHY, A. ; NAIK, M. RAMBABU ; ARUNABALA, C. ; BODAPATI, JAGADEESH ; GOVINDHARAJ, ARUNPRASAD ;	2021100666	02-02-2021	07/04/2021	2021100666	Granted
5	Power Generation by drain water for Green Buildings	Agrawal, Nikhil ; Singh, Vinod Kumar ; Bangari, Naresh ; Saxena, Anurag ; Khare, Bharat Bhushan ; Lohia, Akanksha ; A.,	2021100502	27/1/2021	31/03/2021	2021100502	Granted
6	An automatic spectacles senses to protect eye from excessive harmful optical radiations	Agarwal, Prateek ENGR; Agrawal, Amit DR; Ambikapathy, A. DR; Goswami, Garima DR; Kumar Goswami,	2021100065	01-06-2021	10/03/2021	2021100065	Granted

7	Machine Learning-based Smart Workout System	Pradeep Kumar Mallick, Ashis Sharma, Sambit Kumar Mishra, Gyoo Soo Chae, A. Ambikapathy, Saravana Kumar,	2021100300	18/01/2021	31/03/2021	2021100300	Granted
8	Adaptive clustering Based Energy Efficient System for Intelligent Routing in Wireless Sensor Networks	Marriwala, Nikhil; Vohra, Anil; Sharma, Reena; Rathore, Deepak; Bachan, P.; Panda, Sunita; Anarase, Deepali	2021101073	27/02/21	14/04/2021	2021101073	Granted
9	A system for preventing CORONA virus Transmission	Amit, Ambikapathy, Supriya, Setu, Juustice, Dharmasa, Pushpendu, Swaminathan, Akhilesh, Kimmi	202021103396	24/6/21	01/07/2021	202021103396	Granted
10	Solar energy battery powered smart helmet device	Ambikapathy, Pooja, Kanimozhi, Ashwani, Dilip, Nagendra, Varun, Sampath Kumar, Akhilesh, Ankit Kumar, Ganesh	202021104173	08-05-2021	12/08/2021	202021104173	Granted
11	Machine learning- based Solar Tracking System and Method Thereof	1. A. Ambikapathy 2. G. Arun Prasad 3. Shrivastava, Pramod Kumar 4. Pushpendu, Rakshit	2021100895	15.02.2021	14-04-2021	2021100895	Granted
12	Smart Public Transport Disinfection and Sterilization System	1. A, Ambikapathy 2. Dinesh, Supriya 3. Atmakuri Aparna Rajesh 4. Laxya	2021101212	08.03.2021	28-04-2021	2021101212	Granted
13	A SYSTEM FOR DATA TRANSFER ROUTING IN WIRELESS BODY AREA NETWORK AND A METHOD	1. Nikhil Marriwala 2. Sunita Panda 3. A Tamizhselvi 4. Avinash Sharma 5. Deepali S Anarase 6. Snehlata Beriwal 7.	2021101447	21-03-2021	28-04-2021	2021101447	Granted
14	Air plane Accidents Predictive Using AI and Machine Learning	1. Singh Laxman 2. Husain Akhtar 3. Desai Darshana 4. Kumar Saniav 5. Tripathi Gaurav	2021101256	03-10-2021	21/04/2021	2021101256	Granted
15	DEEP-LEARNING BASED TEMPORAL RECOMMENDATION WITH REDUCED USER PRIVACY	T., AKILAN ; PATHAK, NILOTPAL ; SHARMA, VISHNU ; A., PONMALAR ; SRIVASTAVA, RITESH ; U. HARIHARAN ; K.	2021100879	02-12-2021	07/04/2021	2021100879	Granted

16	IML-Cloud Data Performance: Cloud Data Performance Improved using Machine Learning.	Prakash Shukla, Anand; Singh, Satyendr; Saxena, Sandeep; Bhardwaj, Ankur; Kumar Yadav, Pramod; Bhardwaj, Manish;	2020104034	12-12-2020	10-02-2021	2020104034	Granted
17	Soil Quality Monitoring & Enhancing the Soil Nutrients to Bring the Good Quality Crops Using CPS & Machine Learning Techniques	K. Laitna, K. Rajkumar, Raju Shanmugam, Sanjeev kumar Pippal, Rajesh Kumar Dhanaraj , U. HARIHARAN , M. Chandraprabha, Balamurugan Balusamy	2020103446	16-11-2020	13-01-2021	2020103446	Granted
18	Energy Distribution and loss management system for smart cities using distributed ledger based blockchain technology	Devendra; Mahendran N; Maurya	2020103674	25/11/2020	20/1/2021	2020103674	Granted
19	Items selecting recommender system using AI-Based and Deep learning programming	Adeel DR Nath Rajiv Kumar Patri	2021101819	04-08-2021	12-05-2021	2021101819	Granted
20	Internet of Things(IOT)system and method for smart hotel location and internal status update	Tushar; Rathore Nisha; Saxena A	2021101733	04-06-2021	05-05-2021	2021101733	Granted
21	A Method For Fabricating Nanomaterial Reinforced Aluminum Based Hybrid Nanocomposite	Akhilleshwar Nirala, Shatrughan Soren, Ashish Kumar, Krishna Kumar,	2021107368	25/8/2021	15/12/2021	2021107368	Granted
22	SMART IRRIGATION ENRICHED WITH FERTILIZER MIXING AND WATER WASTAGE REDUCTION	Manoj Dilip, PRASENJIT CHATTERJEE, Vishnu Sharma, Nilesh V. Gandhare, Parvez S. Ali, M. Chandraprabha, Raiesh	2021100962	21/2/2021	14/4/2021	2021100962	Granted

23	A SYSTEM AND METHOD FOR PREDICTING THE STOCK MARKET NEWS SENTIMENTS USING	Sharma, Neha; Srivastava, Durgesh; Singh Virk, Ishpreet; Chowdhary, Mohit; Sharma, Shelja; Singh,	2021102957	29/5/2021	15/9/2021	2021102957	Granted
24	An Artificial Intelligence Based System for Proactive Network Security	Arthi, K. DR; C, Arul Stephen. MR; Devi, V. DR; Kshirsagar, Pravin R. DR; M, Lakshmanan. DR; M. Palanivelan. DR;	2020104405	30/12/2020	21/04/2021	2020104405	Granted
25	An IOT based Tyre Pressure and Temperature Monitoring System	B, Ebenezer Abishek. DR; Dadheech, Pankaj DR; Devaneyan, S.Pradeep DR; Joshi, Hitesh DR; Kshirsagar, Maduri, Praveen Kumar;	2021100287	17/01/2021	31/03/2021	2021100287	Granted
26	Photo Hydroponics Chamber with Automatic Climate Control	Sharma, Vishnu, Kaushal, Avinash, Dhiman, Preeti, Anium Shebroz Kaur Janieet	2021101457	22.03.2021	12/05/2021	2021101457	Granted
27	Conglomerate Renewable Energy Harvesting System	Rameshwar, Chintakindi ; Maduri, Praveen Kumar	2021102730	21.05.2021	21.05.2021	2021102730	Granted
28	AUTOMATIC DEVICE FOR BREEDING BLACK SOLDIER FLIES AND LARVAE PRODUCTION	1 . Dr. Praveen Kumar Maduri 2 . Kushagra Singh 3 . Fuelix International Pvt. Ltd.	202011046203	23/10/2020	6/8/2021	202011046203	Granted
29	CROP SHELTER AND WATER HARVESTING DEVICE	1 . Dr. Praveen Kumar Maduri 2 . Kushagra Singh 3 . Fuelix International Pvt. Ltd.	202011046206	23/10/2020	19/7/2021	202011046206	Granted
30	System to Manage Road Waste for Road Construction	Dr. Parveen Berwal, Dr. Arabinda Sharma, Isha Verma,	202011011659	18.03.2020	07/05/2021	202011011659	Published

31	An Automatic Food Allergy Detecting System Using Mobile Device and a Process for the Detection thereof	Paarth Bir Dr. Sudeshna Chakraborty, Rajesh Kumar Dr. Pradeep Kumar Dr. Parveen Berwal Parveen Mor	202011016209	15.04.2020	20/8/2021	202011016209	Published
32	A PROCESS FOR PREPARATION OF NANOCOMPOSITES OF CALCIUM CARBONATE AND SILICA AND PRODUCTS	Dr. Rajni Garg Dr. Parveen Berwal Dr. Rishav Garg AVIJIT PAUL	202111009895	09.03.2021	12/03/2021	202111009895	Published
33	WASTE WATER TREATMENT FILTER USING IO NANO COMPOSITES	Dr. Rishav Garg Dr. Rajni Garg Dr. Praveen Kumar Maduri	202111007468	23/2/2021	26/2/2021	202111007468	Published
34	PRODUCTION OF PAPERCRETE WITH UTILIZATION OF AGRICULTURAL, INDUSTRIAL AND CERAMIC	Dr. Rishav Garg Dr. Rajni Garg Dr. Sandeep Singla Er. Anuj Sachar	202111007467	23/2/2021	26/2/2021	202111007467	Published
35	PRODUCTION OF AERATED CONCRETE WITH SILICA POWDER OBTAINED FROM AGRICULTURAL WASTE	Dr. Rishav Garg Dr. Rajni Garg Dr. Sandeep Singla Er. Manish Kaushal	202111007469	23/2/2021	26/2/2021	202111007469	Published
36	UTILIZATION OF AGRICULTURAL WASTE IN PREPARATION OF CEMENT STABILIZED EARTH BLOCKS FOR LOW COST HOUSING	Dr. Rishav Garg Dr. Rajni Garg Dr. Tinku Biswas Er. Manish Kaushal Er. Anuj Sachar	202111013768	27/3/2021	02/04/2021	202111013768	Published

37	Circular Cut Multi band Microstrip Antenna with Defected Ground for Wireless Application	Amandeep Kaur, Praveen Kumar Mallik, Puneet Chandra Srivastava, Kiran Srivastava	202011055654	21/12/2020	29/01/2021	202011055654	Published
38	EMBEDDED BASED SMART GARDENING SYSTEM	S. SWEETLINE SHAMINI MALA YADAV RAJESH NARAYAN DEO AMIT KUMAR KESARWANI NAND KISHORE Dr. SURESH SEETHARAMAN, Dr. Yash Pal Singh (Director & Professor)	202141026441	14/06/21	02/07/2021	202141026441	Published
39	METHOD FOR PHYSICAL INTELLIGENT VLSI-CHIP DESIGN AND DEVELOP TECHNOLOGY	Dr. Amit Agrawal (Associate Professor) Dr. A Ambikapathy (Professor) Mr. Amit Rai (Assistant	202111014696	31/03/2021	07/05/2021	202111014696	Published
40	Smart Electric Toothbrush	Dr. Nagendra kumar, Akhilesh kumar, Ambikapathy, Brijesh kumar, Gaurav Kumar singh, Ohene-Akoto Justice, Shobana.R, Yogesh Kumar, Amit KumarYadav	349271-001	09-09-2021	19/11/21	349271-001	Published
41	System and method for material segregation using dielectric constant of material	Ashish Shrivastava, Sameer Tripathi, Samaradh Shukla, Vikash Singh Bhadoria, Vivek Shrivastava	201911036470	09-10-2019	12/03/2021	201911036470	Published
42	Smart locks	Mr. Anant Vikram Singh	201811030241	08-11-2018	14/02/2020	201811030241	Published
43	Electric Shield for car	Mr. Anubhav Kumar Singh Ms. A. Ambikapathy	201811029398	08-04-2018	07/02/2020	201811029398	Published

44	A Device to ON/OFF and Track Mobile Remotely Using IOT	Shrey anish jain, Vinay Pandey, Shubham Chaudhary, Talat hussain, A. Ambikapathy	2020110008976	03-03-2020	20/3/2020	#####	Published
45	A Grid Integrated Hybrid Renewable Energy System with Optimal Controlling of Carbon Emission for Sustainable and Reliable Solution	Dr. Abhinav Saxena Mr. Gaurav Verma Dr. Aseem Chandel Mr. Nikhil Chaudhary Mr. Sachin Pachuri Dr. Chandra Bhan Vishwakarma Dr. Amit Kumar Sharma	202111049294	28.10.2021	26.11.21	202111049294	Published
46	System And Method For Continuous Charging using Piezoelectric Material	Dr. Pinki Yadav Dr. Amrita Rai Ms. Asha Rani Mishra Dr. Deepti Sharma Ms. Neha Jain	202111005346	08.02.2021	12-02-2021	202111005346	Published
47	Intelligent Monitoring and Controlling of Charging and Discharging of Electric Vehicles Batteries By Solar PV Array	Dr. Abhinav Saxena Mr. Nirmal Kumar Agarwal Dr. Md. Abul Kalam Mr. Rajesh Kumar Mr. Abhishek Kumar Singh Mr. Prashant Dr. Amit Kumar Sharma	202111006557	17.02.2021	26-02-2021	202111006557	Published

48	Optimal Interference Minimization Between Communication And Transmission Line Using Artificial Intelligence Based Electromagnetic Waves Method	1) Dr. ABHINAV SAXENA 2)DR.AMIT KUMAR 3)DR.NITIN KUMAR PAL 4)DR.SUNIL KUMAR CHAUDHARY 5)DR.PUNEET CHANDRA SRIVASTAVA 6)DR.KIRAN SRIVASTAVA 7)DR.NEERAJ KUMAR 8)MR. CHANDAN CHOUBEY 9)MRS. PRIYANKA DATTA 10)DR. BHARAT SINGH 11)MR. MANOJ KUMAR 12)MR. GYANESH SINGH	202111034313	30.07.2021	10-09-2021	202111034313	Published
49	System Design For Operating Efficiency Enhancement Of Solar Photovoltaic system Under Partial Shading Conditions	1. Mr. Ashish Raj 2. Dr. Manoj Gupta 3. Dr. Sunil Kumar Gupta 4. Dr. Vijayakumar Gali 5. Dr. Sunil Kumar Chaudhary 6. Dr. Javed Khan Bhutto	202111040163	04.09.2021	10-09-2021	202111040163	Published
50	Design And Development Of Efficient Maximum Power Point Tracking For Solar photovoltaic System Under Dynamic Weather Conditions	1. Ashish Raj 2. Dr. Manoj Gupta 3. Dr. Sunil Kumar Gupta 4. Dr. Sunil Kumar Chaudhary 5. Dr. Javed Khan Bhutto 6. Dr. Vijayakumar Gali 7. Akanksha Das	202111040181	04.09.2021	10-09-2021	202111040181	Published
51	Multi-Disc Eddy Current Braking System (ECBS) With Intelligent Controllers	Dr. Arunesh Kumar Singh Prof. Ibraheem Prof. D. K. Chaturvedi Prof. Shahida Khatoon Dr. Amit Kumar Sharma	202111042350	18.09.2021	01-10-2021	202111042350	Published

52	Sensor Based Smart Face Shield for Healthcare Workers during COVID-19 Pandemics	1 . Dr. Hardeep Singh Sami 2 . Dr K. Sakthipandi 3 . Mr.Pijush Dutta 4 . Dr.K.Arumugam MCA.,MPhil.,PhD. 5 . Dr. Md. Khaja Mohiddin 6 . Dr.M.Jayaganthi	202111001286	11.01.2021	22.01.2021	202111001286	Published
53	SYSTEM AND METHOD FOR USING DATA SCIENCE TO ANALYSE INSTANT MESSENGERS DATA	1 . Mrs. Supriya Khaitan 2 . Mr. Ravinder Ahuja 3 . Mr. Surendra Kumar 4 . Ms. Akansha Gupta 5 . Mr. Tarun Kumar 6 . Mr. Anupam Lakhanpal 7 . Ms. Swasti Singhal 8 . Mr. Roop Singh 9 . Dr. Shilpa Mahajan	202111006203	15-02-2021	26-02-2021	202111006203	Published
54	AN ACCIDENT PREDICTION SYSTEM FOR ELECTRIC VEHICLE USING AI	1 . Dr.Keerthi Jattarunana 2 . Mrs.Indhumathi G 3 . Dr. K. Rajeshwar Rao 4 . Dr. S. Vijayalakshmi 5 . Mr.S.Vivekanandan 6 . Prof. Dharamvir 7 . Mr. R G Padmanabhan 8 . DR.L.Arokia jeyapriya 9 . Mrs. Bhawna	202111015818	04-03-2021	23-04-2021	202111015818	Published
55	IOT SECURITY METHOD & SYSTEM BASED ON THE BLOCKCHAIN	1)Dr. SUNO LAMBDA 2)Dr. UMESH KUMAR SINGH 3)Dr. SANJAY KUMAR 4)Dr SANJEEV KUMAR SINGH 5)Dr. NARINDER SINGH 6)Dr. REKHA RANI 7)GAGAN RANE	202111022945	23-05-2021	28-05-2021	202111022945	Published
56	SYSTEM AND METHOD TO DETECT FAKE PROFILES IN SOCIAL MEDIA	1 . Dr.Nirmala C R 2 . Dr. R. Jagadeesh Kannan 3 . Dr. Sudhir Kumar Sharma 4 . Dr. J. Jeyapriya 5 . Dr Satish Rupraoji Billewar 6 . Dr. Anirban Mitra 7 . Dr. Anirban Das 8 . Mr.Mohammed Firdos Alam Sheikh 9 . Dr Vaneet Kumar 10 . Dr. Ansuman Sahoo 11 . Dr. Mohd Naved 12 . Sanjeev	202141024307	31-05-2021	11-06-2021	202141024307	Published

57	AI BASED E-VEHICLE BATTERY POWER MANAGEMENT SYSTEM	1 . Dr.Kedri Janardhana 2 . Mrs.Rekha Baghel 3 . Dr.T.Vinoth Kumar 4 . Dr. K. Rajeshwar Rao 5 . Dr.T.Vandarkuzhali 6 . Mr.Saravanan D 7 . Mr. Aruna kumar Joshi	202111009492	03-07-2021	12-03-2021	202111009492	Published
58	System and Method for Detecting Buried Objects Using IOT Based Vibrartion Detector	1 . Dr. SANJAY KUMAR 2 . Dr. JYOTI RAWAT 3 . NEERU SAXENA 4 . Dr SANGITA ARORA 5 . LOKENDRA SINGH SONGARE 6 . NIKHIL RATHORE 7 . Dr CHAITANYA P AGRAWAL 8 . Dr	202111034580	31-07-2021	27-08-2021	202111034580	Published
59	SYSTEM AND METHOD FOR DATA SCIENCE BASED DETECTION OF DEMOGRAPHICAL INFORMATION	1 . SANJAY KUMAR (GU) 2 . KIRAN SINGH 3 . NILANJANA PRADHAN 4 . VAISHALI GUPTA 5 . SANDHYA KATIYAR 6 . KAVITA SAINI 7 . ROOHI SILLE	202111043329	24-09-2021	15-10-2021	202111043329	Published
60	Sensor Based Waste Management System Using Artificial Intelligence	sanAbhishek MajumdarBagesh K	202031054376	14/12/2020	08-01-2021	202031054376	Published
61	A Method for Adjustable Vehicle Dimension	Mr. Raghav Dwivedi Dr. A. Ambikapathy Dr. Praveen Kumar Maduri Dr. V K Dwivedi	201911037113	16-09-2019	03-09-2021	201911037113	Published
62	Brain wave controlled electric skate board	Mr. Anubhav Kumar Singh Dr. A.Ambikapathy Dr. Praveen Kumar Maduri Dr. V K. Dwivedi Mr. Dharamsha	201911035498	09-04-2019	05-03-2021	201911035498	Published

63	DYNAMIC DEMAND BASED LIGHTNING SYSTEM	Mr. Naveen Kumar Dubey Dr. A. Ambikapathy Dr. Praveen Kumar Maduri Dr. V K Dwivedi Dr. DHARMASA	201911037112	16-09-2019	03-09-2021	201911037112	Published
64	SYSTEM AND METHOD FOR A SAFETY HELMET	AKHILESHWAR NIRALA Dr BRIJESH SINGH Dr. KAMALAKANTA MUDULI RAJESH KUMAR BEHERA CHINMAY AGRAWAL GAURAV KUMAR SHARMA AYUSHMAAN VATSH IASPREET	202111026886	16-06-2021	16-07-2021	202111026886	Published
65	WINDOW BASED SOLAR AIR PURIFICATION SYSTEM WITH DETACHABLE FILTER PANELS	Dr. Brijesh Singh Dr. Praveen Kumar Maduri Apurva soni Kushagra singh	202111011446	17-03-2021	26-03-2021	202111011446	Published
66	AUTONOMOUS VEHICLE PARKING SYSTEM	1 . K.M Baalamurugan 2 . Saurabh Suman 3 . R. Vijay 4 . M. Dinesh Babu	202041022848	06-01-2020	06-04-2021	202041022848	Published
67	DRIVER HEALTH CONDITIONS	1 . Dr. Partha Nand (Professor and Dean) 2 . Dr. Nitin Rakesh (Professor and Head), 3 . Dr. Sanjoy Das (Assistant Professor) 4 . Dr. Vishnu Sharma (Professsor and Head) 5 . Dr. Anil Kumar Sagar (Professor) 6 . Dr. Danish Ather (Associate Professor)	202111000123	01-03-2021	29/1/2021	202111000123	Published

68	VEHICLE SPEEDING DETECTION: AUTOMATIC VEHICLE SPEEDING DETECTION, LOCATION, NOTIFICATION AND TRACKING SYSTEM.	1 . Dr. Parmanand (Professor and Dean), 2 . Dr. Nitin Rakesh (Professor and Head) 3 . Dr. Sanjoy Das (Assistant Professor) 4 . Dr. Vishnu Sharma (Professor and Head) 5 . Dr. Anil Kumar Sagar	202111000125	01-03-2021	29/1/2021	202111000125	Published
69	DEEP LEARNING MODEL BASED FRAUDULENT INCOMING CALL DETECTION SYSTEM	1 . Mr. Sandeep Vishwakarma 2 . Dr. Sahil Kansal 3 . Dr. Inderpreet Kaur 4 . Ms. Arti Ranjan 5 . Mr. Pushpendra Singh 6 . Ms. Anika Bhardwaj 7 . Ms. Jeetu Singh	202111009215	03-05-2021	03-12-2021	202111009215	Published
70	EASY AND SWIFT CANE JUICER WITH AUGMENTED BAGASSE BRICK MAKER	1 . THOMAS K T 2 . Dr. LIJA JACOB 3 . Dr. S.VIJAYALAKSHMI 4 . P.DURGADEVI 5 . Dr. SIVA SHANKAR RAMASAMY 6 . Dr. SAMIKSHA SHUKLA	202121042785	21/9/2021	29/10/2021	202121042785	Published
71	VIRTUAL INTRUSION DETECTION SYSTEM USING HONEYPOTS	Preeti Gupta Inderprastha Engineering College, Dr. Praveen Kumar Maduri Galgotias College of Engineering and Technology	202111020274	04.05.2021	07.05.2021	202111020274	Published
72	DESIGN OF ENERGY EFFICIENT TECHNIQUE USING WIRELESS SENSOR NETWORK	Preeti Gupta, Dr. Praveen Kumar Maduri	202111016165	06.04.2021	16.04.2021	202111016165	Published

73	Cashless Vending Machine for COVID Essentials with Automatic Climate Control	Rameshwar, Chintakindi Sanjay ; Maduri, Praveen Kumar	2021102729	21.05.2021	21.05.2021	2021102729	Published
74	LASER MICRO DETECTOR FOR PARTICULATE MATTER	Dr. Brijesh Singh Dr. Praveen Kumar Maduri Apurva Soni Kushagra Singh	202111011447	17.03.2021	26.03.2021	202111011447	Published
75	Massive Machine type communication technique for inventory updation in retail shops using 5G	Dr. Monika Bhatnagar Dr. Sireesha Pendem Mr. Shrawan Kumar Dr. Sanjay Kumar Dongre Mrs. Prerana Nilesh Khairnar Mr. M. Mahalingam	202111018782	23/04/2021	04/06/2021	202111018782	Published