

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION**  
**LIST OF PATENTS GRANTS/ PUBLISHED**  
**ACADEMIC YEAR: 2023-24**

**Patents Granted**

Sl. No.	Title of the Patent/ Patent pending number/ Patent Application number	Application Number	Jurisdiction/ publication/ Indian patent journal/ field	Inventors Name/ Faculty members/ students/ Emeritus professors	Year of Grant date
1	Robot for Spraying Sanitizer in Premises	395524-001	Granted	Dr. Nagesh K N	20-09-2023
2	Solar Powered Refrigerated Vending Cart	395522-001	Granted	Dr. Nagesh K N	20-09-2023
3	Internet of Things Based Wearable Health Monitoring Device	395527-001	Granted	Dr. Nagesh K N	21-09-2023
4	Spirometer for Increasing the Pulmonary Activity	404946-001	Granted	Dr Ravi Kumar M G,	18-01-2024

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1	A Device For Optimizing Agricultural Practices Utilizing Machine Learning And Method	202441031961 A	Indian Patent	<b>Rohith S, Nagesh K N ,</b> Sanjeevakumar M Hatture , Rashmi P Karchi	26-04-2024
2	System, Method, Design and Development of Intravenous Saline Monitoring System Powered by Iot for Patient Safety	202441044905 A	Indian Patent	C K Chandan, Narendra Babu Madhuri, Arvind M, Deepak G, <b>Sreenivasulu KN, Dr. Nagesh K N,</b> <b>Dr. Rohith S, Mahesh M R, Sunil T, Jyothi S K</b>	21.06.2024

3	System, Method, Design and Development of Dust Cleaning Robot	202441044761 A	Indian Patent	Akash Kumbar, Chethan Naik, Arunkumar N, N Hema Latha, <b>Dr. H. Venkatesh Kumar, Dr. Rohith S</b>	21.06.2024
4	System, Design, Method and Development of Underwater Image Enhancement Based on Color Balancing and Image Fusion	202441044731 A	Indian Patent	Drakshayani S. K, K. Shruthila, Shaik Sonu Basha, Pallavi Singh, <b>Dr. Nagesh K N, Dr. Rohith S, Naghma Anjum, Rani B A</b>	21.06.2024
5	System, Design and Method of Plant Leaf Disease Detection Using Machine Learning	202441044725 A	Indian Patent	Komala S, M Sunil Kumar Reddy, Nuthan S, Santhosh V, Dr. Murthy Muniyappa, <b>Dr. Nagesh K N, Dr. Mahesh Shastri</b> , Dr. Navya Rani Marilingaiah	21.06.2024
6	System, Method, Design and Development of Iot Based Wireless Charging System for Electric Vehicle	202441044687 A	Indian Patent	Nirupadi Y Chalawadi, Mohammed Arif, Saquib Pasha, <b>Dr. C.V. Nandakishore, Sunitha M, Dr. Rohith S</b>	21.06.2024
7	System, Method, Design and Development of Iot Based Dipstick Type Engine Oil Level and Impurities Monitoring	202441044746 A	Indian Patent	C R Ranjith Chakravarthy, Chandana S, Dileep G S, <b>Dr. Nagesh K N, Dr. Rohith S, Jyothi SK</b>	21.06.2024
8	Novel System, Method, Design and Development of Automated Solar Grass Cutter	202441044739 A	Indian Patent	Cheemala Sai Venkat, Gude Yuvateja, Nithin Raj R, Yuvaraj M, Rashmi G.P, <b>Dr. Nagesh K N, Dr. Rohith S</b>	21.06.2024

9	System, Method and Design of Vehicles Number Plate Recognition and Face Recognition System Using Ras	202441044902 A	Indian Patent	Manmohan K N, Charan, Manoj A, Deepak S J, <b>Maresh Shastri</b> , Navya rani M, Murthy M, <b>Maresh M R</b> , <b>Dr. Nagesh K N</b>	21.06.2024
10	System, Method, Design and Development of Electronics Noticeboard Using Arduino	202341036256 A	Indian Patent	Shrutha Keerthi, Pavana P M, Thanuja R C, Anusha, <b>Rashmi G P</b>	22.09.2023
11	System, Method, Design and Implementation of Fall Detection and health Monitoring Using IoT	202341041029 A	Indian Patent	Akkisetty Gowtham Bonugula Victor Karthik K Aakash Sai <b>Prof. Nanda Kishore C V, Dr. H Venkatesh Kumar, Dr. Rohith S</b>	15.09.2023
12	System, Method, Design and Implementation of IoT Based Smart Stick for Blind People	202341041024 A	Indian Patent	Deekshith G, K Aryan, Akhil Reddy Avinash R, <b>Prof. Sunitha M, Dr. Rohith S</b> <b>Dr. Nagesh K N</b>	15.09.2023
13	System, Method, Design and Implementation of Digital Noticeboard Using Arduino	202341036257 A	Indian Patent	Navneet Kumar, Sai Deepthi Tummala Shireesha K N, Sneha Shambuling Kiragi, <b>Dr. Nagesh K N, Prof. Jyothi S K, Dr. Rohith S</b>	29.09.2023
14	System, Method, Design and Implementation of Internet of Things (IoT) Based Intelligent Control for Smart Building	202341040718 A	Indian Patent	A Yaswanth, C Pavan Kalyan, K Sharath Kumar K Vijay Kumar, <b>Dr. Ajay Kumar Dwivedi</b>	29.09.2023
15	System, Method and Design of Monitoring and Tracking the Health of Soldiers by Using IoT System	202341041017 A	Indian Patent	K Manikanta, Keerthishree S, K S Poornima Kavya Reddy M M, <b>Dr. Ravi Kumar M G</b> <b>Dr. Rohith S, Dr. Nagesh K N</b>	15.09.2023

16	System, Method and Implementation Of Sensors For Rider's Safety against Harsh Weather Condition	202341039193 A	Indian Patent	Anjali Desai, Daniel Onesimus D, Harshith C <b>Prof. Sunil T, Dr. Rohith S, Dr. Nagesh K N</b>	01.09.2023
17	System, Method, Development of IoT Based Smart Cradle for Infants	202341039190 A	Indian Patent	N Gopichand, N Rajkumar, T Venugopal, P Balaji <b>Prof. Mahesh M R, Dr. Rohith S, Dr. Nagesh K N</b>	01.09.2023
18	System, Method, Design and Development of Development of Li-Ion Battery Based Electric Buggy	202341041462 A	Indian Patent	Bharath Reddy B K, Koushik R, Madhan Gowda H R, Upendra D M, Dr. Murthy Muniyappa, <b>Dr. Mahesh Shastri, Dr. Navya Rani M, Dr. Rohith S, Dr. Nagesh K N</b>	15.09.2023
19	System, Method, Design and Development of Remote Patient Monitoring System Using Iot	202341042874 A	Indian Patent	Manoj S, Rishab Mishra, Bhargavi K V, <b>Dr. Nagesh K N, Dr. Rohith S</b>	15.09.2023
20	System, Method, Design and Development of Advanced Arduino Based Digital Notice Board Using Atmega Microcontroller	202341036257 A	Indian Patent	Anu V Kondajji, Archana S, Asha M R, Chirag A, <b>Prof. Jyothi S K</b>	16.06.2023
21	System, Method, Design and Development of Iot Based Gateway For Controlling And Monitoring Of Borewell	202341041552 A	Indian Patent	Mohmad Shoaib Lakkundi, Abhishek R, Gowtham C V, Rani B A, Faisal Rashid, <b>Naghma Anjum, Nagesh K N, Rohith S</b>	15.09.2023
22	System, Method, Design and Implementation of Iot Based Automatic Wireless Siren Using Arduino	202341042964 A	Indian Patent	Lakshmi Prasanna K, Sai Nihith. A, Bhavya Sai. K, Jaya Krishna G V, <b>Prof. Sreenivasulu K N, Prof. Karthik Kandaswamy, Nagesh K N, Rohith S</b>	15.09.2023

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Sl. No	Title of the Patent/ Patent pending number/ Patent Application number	Jurisdiction/ publication/ Indian patent journal/ field	Design Number	Inventors Name/ Faculty members/ students/ Emeritus professors	Date of Patent Granted
1	Reconfigurable Antenna for IOT Devices	Indian	441529-001	<b>Dr Ajay Kumar Dwivedi,</b> <b>Dr Vivek Singh</b> Dr Akhilesh Pandey, Dr Anand Sharma	21-12-2024
2	Cbt-Based Device For Anxiety And Aggression Management In Epilepsy Treatment	Indian	433677-001	Dr Shetty Pramod, Dr Vinay N A, Sunil T, <b>Sreenivasulu K N</b>	11-10-2024

**PATENTS PUBLISHED**

Sl. No	Title of the Patent/ Patent pending number/ Patent Application number	Jurisdiction/ publication/ Indian patent journal/ field	Application Number	Inventors Name/ Faculty members/ students/ Emeritus professors	Date of Patent published
1	System Design and Method of Development of Smart Farming with IOT Security and AI Disease Detection	Indian Patent	202541004629 A	Harikishan L, Balaji R, Pavan R Harsha C, <b>Bhargavi K V</b>	31.01.2025

2	System, Design and Method of Vehicle Accident Detection and Reporting System Using Arduino Uno	Indian Patent	202541002401 A	Akshitha, Chandana B, D Bhavana, Kusuma T, <b>Jyothi S K, Dr. Rohith S, Dr. Nagesh K N</b>	24.01.2025
3	System, Design and Method of IOT Based Smart Dustbin	Indian Patent	202541005150 A	Manjunatha M, Shridhar B, Vishwas M, <b>Nanda Kishore C V, Dr. Venkatesh Kumar H</b>	31.01.2025
4	System, Design and Method of Automatic Plant Watering System Using Arduino	Indian Patent	202541003286 A	Ankitha S, Charitha. G. S, D Anjali, Deepa.S. P, <b>Mahesh M R, Sreenivasulu K N, Dr. Nagesh K N</b>	24.01.2025
5	System, Design and Method of IOT Based Air Quality Monitoring System Using Arduino Uno Microcontroller	Indian Patent	202541003287 A	Aditya Ganapati Shetty, Abhishek Patil Kirankumar, H T Chaitanya M, <b>Dr. Mahesh Shastri, Dr. Navya Rani M, Dr. Nagesh K N, Dr. Rohith S</b>	24.01.2025
6	System, Design and Method of Park Assist System Using Arduino Uno	Indian Patent	202541005426 A	Hemalatha M, Lekhana K R, Monika S V, Anjali N, <b>Dr. Mahesh Shastri, Dr. Navya Rani M, Dr. Nagesh K N, Dr. Rohith S</b>	31.01.2025
7	IOT-Enabled Soil Fertility Assessment and Crop Selection for Sustainable Agriculture Using Machine Learning	Indian Patent	202541010676 A	<b>Dr Nagesh K.N</b> , Dr. S. Rajeswari, Dr. Shyam S. Khinchi, Dr. Shalini Rawat, Mrs. J. Jasmine, Dasari Srinivasa Rao, Gauri Satish Desai, Dr. Seema Gendraj Kadu, Dr. Raju Anitha, Dr T Chandraiah, Vijay Sankar K, S Pream Kumar	14.02.2025
8	System, Design and Method of Multi-Exposure Fusion Strategy for Enhancing Low-Light Images	Indian Patent	202541004641 A	Vamshi Krishna V, Venkatanarayana M V, Vinayak, Yashwanth E, <b>Dr. Pallavi Singh, Dr. Rohith S, Dr. Nagesh K N</b>	31.01.2025
9	System, Design and Method of Inductive Charging Road Network for Electric Vehicles	Indian Patent	202541005473 A	Gowthami A, K Gnana Prasoon, Kavya G S, Meghana V, <b>Rani B A</b>	31.01.2025

10	System, Design and Method of Obstacle Detection Using Smart Blind Stick for Blind People	Indian Patent	202541006468 A	Pavitra Tarakar, Rahul R, Ritika Biswal, Vidya R, <b>Rani B A, Dr. Nagesh K N</b>	14.02.2025
11	System, Design and Method of Ergonomic Management for Posture Correction Using Smart Alert System	Indian Patent	202541001682 A	Prajwal V D, Rakshith N S, Prajwaln, Tarun M, <b>Rashmi G P, Dr. Ravi Kumar M.G, Rohith S, Nagesh K N</b>	12.01.2025
12	System, Design and Method of Virtual Simulation of Underwater Robot Control and Homing	Indian Patent	202541005462 A	Asif ahmed, B Venkat Vimal, B Karthik, Anant M, <b>Rashmi G P, Dr. Ravi Kumar M.G, Dr. Rohith S</b>	07.01.2025
13	System, Design and Method of IOT and GSM Based Smart Agriculture System	Indian Patent	202541005425 A	Lakshmi Narayanary, K Bhavani Shankar Manoj G, K Vamsi Kumar, <b>Mr. Shashikiran R, Dr. Nagesh K N</b>	31.01.2025
14	System, Design and Method of Smart Smoke Detection and Ventilation for The Smart Homes	Indian Patent	202541005466 A	Aditya Desai, Guruprasad V, Jnanesh M, Lohith S, <b>Mr. Shashikiran R, Dr. Nagesh K N</b>	31.01.2025
15	System, Design and Method of Development of Smart Irrigation System Using Arduino	Indian Patent	202541004644 A	K. Rahul, K. Prasad, Madana, Harshith, <b>Smita H. Natikar, Dr. Nagesh K N</b>	31.01.2025
16	System, Design and Method of Development of Medi serve Healthcare System Using Internet of Thing And Artificial Intelligence	Indian Patent	202541003331 A	Vidyashree G, Chaithra N, Sree Raksha M, Sangeetha M, <b>Sunitha M, Mahesh M R, Dr. Rohith S</b>	24.01.2025
17	System, Design and Method of Smart Car Parking System Using Arduino Uno Microcontroller	Indian Patent	202541004638 A	Siddu Kenginal, Aditya Singh, Vaibhav Biradar, Maharudra Patil, <b>Sunitha M, Mahesh M R, Dr. Nagesh K N</b>	24.01.2025
18	System, Design and Method of Development of Automatic Plant Watering System	Indian Patent	202541005188 A	Purushotham K.R, Veeresh U K, Varun Kumar M, Vilas, <b>Yashodhara CI, Mahesh M R, Dr. Nagesh K N</b>	31.01.2025
19	System, Design and Method of Cyberbullying Detection on Social Networks Using Machine Learning	Indian Patent	202541004623 A	Mune Gowda Gn, Sanjay H C, Tejas K N, Varun Kumar T P, <b>Naghma Anjum, Dr. Nagesh K N</b>	31.01.2025

20	System, Design and Method of Wireless Bluetooth Display for Real Time Application	Indian Patent	202541001948 A	Ajay D M, Charan S, Manjunath V, M.Y. Viswanath Reddy, <b>Dr. H Venkatesh Kumar, Dr. Rohith S</b>	28.02.2025
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