



DON BOSCO INSTITUTE OF TECHNOLOGY
KUMBALGODU, MYSORE ROAD, BENGALURU-560074, Ph. 080 - 28437028/29/30
Department of Research and Development
LIST OF PATENTS



List of Patents Granted

Sl. No.	Title of The Patent	Application Number	Status of Application	Filed Date	Inventor Name
1	Artificial speaking IoT based "Talking Hand" an assistive device for dumb people in regional language Kannada.	2021103792 (Australian)	Granted on 23-03-2022	01-07-2021	Dr. Nataraj K R Dr. Santosh M Nejakar
2	AI based smart meter for water utilization and quality monitoring using IoT.	2021105136 (Australian)	Granted on 20-04-2022	09-08-2021	Dr. Nataraj K R Dr. Santosh M Nejakar
3	Real time traffic management system using machine learning and image processing.	2021105151 (Australian)	Granted on 01-06-2022	09-08-2021	Dr. Nataraj K R Dr. Santosh M Nejakar Prof. Sheela S
4	Circuit fault detection and location system.	201941035429	Granted on 04-11-2019	03-09-2019	Dr. Nagaraj P Dr. Sadashivappa G Mr. Manjunath N
5	Embedded power saving model for LED Panels.	201941036971	Granted on 16-11-2019	13-09-2019	Dr. Nagaraj P Dr. Sadashivappa G Mr. Manjunath N



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Sl. No.	Title of The Patent	Application Number	Status of Application	Filed Date	Inventor Name
6	Method of lung cancer detection using machine learning based CT scan image processing.	201941050453	Published	43805	Dr. Manjunath Swamy B E
7	Palm, sole (foot) and hip massage base plate with rolling steel balls.	202041057081	Published on E-12/6/2021/Che	12-06-2021	Santosh H P Gobinath Santosh M Neजार
8	Rolling seismic base insulator using stainless steel balls attached to the upper plate of base isolator.	202041056910	Published on E-12/2/2021/Che	08-01-2021	Mr. Santosh H P Mr. Gobinath
9	Modified piston head to improve the combustion rate in internal combustion engines.	202041048270	Published on 26-03-2022	05-11-2020	Dr. Arun A Magadum Dr. Nataraj K R
10	Raspberry Pi based smart refrigerator to recognize fruits and vegetables remotely.	202041047218	Published on 24-03-2022	29-10-2020	Dr. Santosh M Neजार Dr. Nataraj K R
11	An efficient approach for traffic congestion and management using IoT devices and its implementation on FPGA.	202041047230	Published on 26-03-2022	29-10-2020	Prof. Sheela S Dr. Santosh M Neजार Dr. Nataraj K R

12	An artificial intelligence system for biomedical devices monitoring using speech command and IoT.	202141055304	Published on 10-12-2021	29-11-2021	Dr. DeepaYogish
13	Embedded system based antitheft ATM machine.	20214105534	Published on 10-12-2021	30-11-2021	Dr. Ashok Kumar P S Dr. Tippeswamy G R
14	IoT based smart water level monitoring system in reservoir using cloud method thereof.	202141049316	Published on 05-11-2021	28-10-2021	Dr. Ashok Kumar P S Dr. Tippeswamy G R
15	A wearable pregnancy monitoring apparatus to collect physiological parameters.	353935001	Published on 14-01-2022	30-11-2021	Dr. Manjula V
16	Portable 3D scanner.	202241054460	Published on 05-12-2022	22-09-2022	Dr. Bhagya P Mr. Ranjan P Mr. R Prajwal Gowda Mr. Patrick Bruno Mr. Suhas B P Dr. Nataraj K R
17	Voice controlled robot for surveillance.	202241054574	Published on 07-12-2022	23-09-2022	Dr. A N Maheshwarappa Mr. Gowtham R Mr. Harsha D K Mr. Karthik C Mr. Nagaraj M Dr. Nataraj K R
18	Implementation of IoT and data analytics in smart agricultural system.	202241054466	Published on 05-12-2022	23-09-2022	Prof. Rashmi K T Mr. Sanjeev S Tigadi Mr. Darshan Nagesh S Mr. Dharnesh N Swamy Mr. Nikhil K S Dr. Nataraj K R

19	Sandalwood tree detection using deep learning.	202241054775	Published on 05-12-2022	24- 09-2022	Prof. Mohan Kumar A V Ms. Chaitanya Ms. Chandana C A Ms. Archana P Dr. Nataraj K R
20	Early flood warning and water quality detection system using IoT.	202241054776	Published on 05-12-2022	24-09-2022	Mrs. Babitha S Ms. Nithyashree R Ms. Meghana G Ms. Neha Patil Ms. Sathya K Dr. Nataraj K R
21	Automated proctoring system to detect anomalous behaviour in E-learning during times of crisis.	202241054163	Published on 05-12-2022	22-09-2022	Dr. Manjunathswamy B E Mr. Ranjeet Rathod Mr. Padmaraj D M Mr. Rakshith Gowda R Mr. Karthik S Sagar Dr. Nataraj K R
22	Design and fabrication of pulley based movable crane robot.	202241053215	Published on 22-12-2022	17-09-2022	Prof. Dharshan B G Mr. Vishal Mr. Anil Kumar K Mr. Bharath S Mr. Nagendra M S Dr. Nataraj K R
23	Automatic detection and prevention of animals in agriculture fields by using renewable resources.	202241053197	Published on 22-12-2022	17-09-2022	Prof. Dharshan B G Mr. Chandrashekar Mr. Arun Yadav Mr. Nithin B Mr. Mohan S Dr. Nataraj K R

24	Design and fabrication of battery cooling for electric vehicle.	202241053201	Published on 22-12-2022	17-09-2022	Prof. Dharshan B G Mr. Rithvik S Chandra Mr. Ganesh R Mr. Prajwal V A Mr. Sharath Kumar S Dr. Nataraj K R
25	Fabrication of COVID protection sanitization machine for packing and delivering of products	202241053199	Published on 22-12-2022	17-09-2022	Prof. K M Kiran Kumar Mr. Kishore Raj M Mr. Sharath Singh R Mr. Dhureen Kumar H P Mr. Naveen N Dr. Nataraj K R
26	Design and fabrication of PIEZO-electric energy harvester from pressure forces developed in automotive tyres.	202241053210	Published on 22-12-2022	17-09-2022	Prof. Manjunath M V Mr. Shivananda D T Mr. Akshay Kumar C Mr. Varun N Mr. Rakesh N Dr. Nataraj K R
27	Neural painting with pixel similarity and progressive rendering.	202241054156	Published on 22-12-2022	22-09-2022	Prof. K M Rajeeth Kumar Mr. Adil Ali Mr. Akash Hazra Mr. Ayush Nigam Mr. Dipayan Paul Dr. Nataraj K R
28	Sudden heart attack detection in COVID affected patients using wearable device.	202241054161	Published on 22-12-2022	22-09-2022	Dr. Venugeetha Mr. Rohith S Mr. Manish N Mr. Manjunath R S Mr. Nithesh B Dr. Nataraj K R

29	E-healthcare support system in both Kannada and English languages.	202241054934	Published on 22-12-2022	26-09-2022	Dr. Anasuya N Mr. Krishna K P Ms. K P Mahalakshmi Ms. Saloni Dr. Nataraj K R
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Sl. No.	Title of The Patent	Application Number	Status of Application	Filed Date	Inventor Name
30	11ghz Radio transceiver architecture with F-OFDM and 128 QAM modulation for 5g mobile system.	202041042872	Filed	01-10-2020	Dr. Santosh M Nejakar Dr. Nataraj K R Dr. Prabhu G Benakop
31	Antimicrobial coconut soap composition.	202041047239	Filed	29-10-2020	Dr. J P Shubha Dr. Nataraj K R
32	An intelligent system with gesture control to aid hearing and speech disabled people.	202041048106	Filed	04-11-2020	Dr. Anasuya N Dr. Santosh M Nejakar Dr. Nataraj K R
33	Artificial intelligence IoT based wrist band for COVID-19 patients.	202141003024	Filed	22-01-2021	Dr. Manjunathswamy B E
34	Traffic police occupational stress model and coping strategies thereof.	202141015753	Filed	02-04-2021	Dr. DeepaYogish
35	Traffic police occupational stress model and coping strategies thereof.	2021103284	Filed	10-06-2021	Dr. DeepaYogish

36	Combination of an IoT based rural village Microgrid regulator strategy based on Smartgrid multipotent modeling and Transactive energy administration values.	202041057954	Filed	---	Dr. Ashok Kumar P S Dr. Tippeswamy G R
37	AI based automated food serve robot for catering application using IoT.	202141019218	Filed	27-04-2021	Dr. Manjunathswamy B E Dr. ShivakuamrDallali
38	AI based hybrid aircraft for medicine deliveries in remote and disaster areas.	2021106059	Filed	20-08-2021	Dr. Manjunathswamy B E
39	Production of bio fertilizers in solid waste by using automated composting machine.	202141030250	Filed	06-07-2021	Dr. R L Ramesh Prof. Gobinath S
40	Design patent: writing board with arrangement of project and camera.	350664001	Filed	04-10-2021	Dr. Manjunathswamy B E Dr. Shivakuamr Dallali
41	Coconut oil and simarouba leaves extract soap composition for antifungal application.	202241014292	Filed	16-03-2022	Dr. J P Shubha Dr. Nataraj K R
42	Novel anti-theft system for two wheeler and four wheelers.	202241014956	Filed	18-03-2022	Mr. Dinesh Mr. Pawan Mr. Swaraj Mr. Yashas Raj Mr. Rafi Ahamad Z Dr. Nataraj K R
43	Animal security and protection system in forests with sensors, biochips & GPS, using wireless communication.	202241045558	Filed	10-08-2022	Dr. Nagaraja P Dr. Nataraj K R

44	Experimental investigation of partial replacement of aggregate with steel slag and coconut biochar.	202241054937	Filed	26-09-2022	Dr. Ramesh R L Mr. Atif A Jamadar Mr. M D Shukrulla Khan Mr. Obalanayak M S Mr. Akash S Dr. Nataraj K R
45	Effect of recycled asphalt pavement and ground granulated blast furnace slag as a composite material.	202241054959	Filed	26-09-2022	Dr. Ramesh R L Ms. Namitha K Ms. Tejashwini C P Mr. Abhishek Dr. Nataraj K R
46	3D Printing using Arduino and Driver Board.	202341006140	Filed on	31-01-2023	Dr. Bhagya P Ms. Amruth S Mr. Hebbare Sumeet Mr. Shreedhar Mr. Jayanth Shukla Mr. Vikas M A Dr. Nataraj K R
47	Automated System for over Speed and Alchohol Detection Along with Density Based Traffic Control.	202341006137	Filed on	31-01-2023	Dr. Chandrashekar N S Ms. Rashmi S Ms. Sakshi Damodar Umarji Ms. Shrusti Shetty S Mr. Suraj S Dr. Nataraj K R
48	IoT Based Organ Shipping Container.	202341006139	Filed on	31-01-2023	Prof. Suresha H S Prof. Lakshmi Devi Ms. Chaitanya S Ms. Chandana D Ms. Divyashree B

49	Voice controlled based Automated Vacuum Cleaner.	202341006674	Filed on	02-02-2023	Dr. Akshath M J Ms. Afreen Taj Ms. Kavya Shiddhalinges Hallur Ms. Bhargavi V A Ms. K Kavya Dr. Nataraj K R
50	Automated Floor Cleaning Robot With Voice Control.	202341006669	Filed	02-02-2023	Prof. Deepika A B Mr. Manish Rohith S Mr. Susheel Kumar R Mr. Sidhant Kumar Mr. Vinayaka Barish
51	Idea of Decentralization Using Blockchain In Book Worms Edition.	202341006670	Filed	02-02-2023	Dr. Rajshekar M Patil Mr. Rakshitha N Ms. Ramya S N Ms. Samraddhi Ms. Varsha M K Dr. Nataraj K R
52	Identifying Flooded Area Using Deep Learning Model.	202341006925	Filed	02-02-2023	Prof. Ugrananda Channabasava Ms. Manvitha P M Ms. Spoorthi M S Ms. Tejaswini S Hegde Ms. V S Sai Harshitha Dr. Nataraj K R
53	Multimodal Biometric Authorization using feature fusion of fingerprint and face using CNN approach for Cyber Security.	202341006679	Filed	02-02-2023	Prof. Shankar Gowda S R Ms. Priya Girish Ditur Ms. Sneha Choukimath Mr. Therry Poonacha Mr. Vinayak Malwad

54	Vicious URL Detection Using Machine Learning And Deep Learning.	202341006924	Filed	02-02-2023	Mrs. Chaithra G V Mr. Sanddesh Raja L S Ms. Tejaswini G H Mr. Vishruth T V Mr. Sandeep M N Dr. Nataraj K R
55	Cloud Based Network Intrusion Detection System Using Deep Learning Algorithm.	202341006921	Filed	03-02-2023	Prof. Smitha M S Mr. Ramyashree S Ms. Sneha V Mr. Vismaya R Dr. Nataraj K R
56	Parking Space Detection By Surveillance Camera Using Mask R CNN Algorithm.	202341006922	Filed	03-02-2023	Prof. Emmanvel Raj Chirchi Mr. Prajwal V Mr. Shashank H Ms. Tapasya P Ms. Yuktha Gowda U Dr. Nataraj K R
57	A Novel Approach For Secured Authentication Using Artificial Intelligence And Machine Learning.	202341006923	Filed	03-02-2023	Mrs. Supriya Ms. Rashmitha A Ms. Shashikala G N Ms. Spoorthi C R Ms. Varsha Varghese Dr. Nataraj K R
58	Environmental Friendly Wireless Changing System for Electric Vehicles.	202341006917	Filed on	03-02-2023	Prof. Babitha.S Ms. Bhoomika S Ms. Brunda R Ms. Kavya R Dr. Nataraj K.R.
59	Accident Avoidance in Self-Driven Autonomous Cars.	202341006926	Filed on	03-02-2023	Prof. Babitha.S Mr. Abheer Patil Mr. B G Tejas Mr. B S Jayanth Dr. Nataraj K R

60	Advanced Military Spying and Bomb Disposal Robot System.	202341006918	Filed on	03-02-2023	Dr. A N Maheswarappa Ms. Preksha H Jain Ms. Priyanka R Y Dr. Nataraj K R
61	Advanced Automated Smart Energy Meter Monitoring System Using IoT.	202341007195	Filed	04-02-2023	Prof. Komala D Ms. Devika P U Mr. Dhanush K R Ms. Gagana Shree G R Mr. Gurukanth K R Dr. Nataraj K R
62	A Secured Information Technology for Electronic Voting System using Blockchain.	202341007194	Filed	04-02-2023	Prof. Mrs. Rashmi B C Mr. Kshitij Kashyap Mr. Kshitiz Rai Mr. Mohit Kumar Mr. Prakhar Srivastava Dr. Nataraj K R
63	Rare-Earth Filthy Lucre Prediction using Machine Learning.	202341007188	Filed	04-02-2023	Dr. Manjunathswamy B E Mr. Abhay Kumari Joshi Mr. Aryaman Vijay Ms. Disha Kaur L Dr. Nataraj K R
64	Interent of Things in Agriculture: A Decision Support System for Precision Farming.	202341007190	Filed	04-02-2023	Dr. Manjunathswamy B E Mr. Manoj Kumar I Mr. Monish P Ms. Chaithra M P Ms. Nisarga K Dr. Nataraj K R

Number of Patents as on February 2023

Patent Granted	5
Patent Published	24
Patent Filed	35
Total Patents	64