



BVRIT HYDERABAD College of Engineering for Women

(UGC Autonomous Institution | Approved by AICTE | Affiliated to JNTUH)
(NAAC Accredited – A Grade | NBA Accredited (EEE, ECE and CSE))
Bachupally, Hyderabad -500 090

Department of Computer Science and Engineering

Patents Information – Published / Granted - Summary

S. No	Year	Published	Granted
1	2018	3	
2	2019	1	
3	2020	8	
4	2021	8	
5	2022	4	
6	2023	5	
7	2024	13	2
8	2025	17	1
9	2026	05	

Granted Patent Information					
S. No	Title Of The Invention	Applicant Name (s)	Application No	Publication Date	Status
1	Real-Time Parking Space Prediction System	Dr. G. Naga Satish Dr. K. V. N. Sunitha Prof. R. S. Murali Nath Ms. D. Swapna	202041045574	17-01-2024	Grant
2	A Portable Medicine Identification And Alerting System For Visually Challenged People And Geriatrics	Dr. K.V.N Sunitha	531064	29-03-2024	Grant
3	Smart Classroom Virtual Reality Head Mounted Display Device For Visual-Spatial Learners	Dr. K.V.N. Sunitha	202041052429	25-04-2025	Grant

Published Patents Information

S. No	Title Of The Invention	Applicant Name (s)	Application No	Publication Date	Status
1	Smart Clothing For Patients	Dr. K. V. N. Sunitha	201641024774	26-01-2018	Published
2	Authentication Model For Wireless Communication	Dr. G. Naga Satish	201841005538	23-02-2018	Published
3	A Novel Pixel Based Method For Satellite Image Classification	Dr. G. Naga Satish	201841019513	01-06-2018	Published
4	Iot-Traffic System: Iot Based Intelligent Traffic, Transport Management	Dr. G. Naga Satish	201941004416	15-02-2019	Published
5	Real Time Crop Monitoring Using Internet Of Things(Iot) Based Precision	Dr. L. Lakshmi Dr. K. Srinivasa Reddy Dr.Ch. Srinivasulu Dr. G. Naga Satish	202041004551	07-02-2020	Published
6	Ibddd-Crop Health: Iot- Based Device To Detect The Crop Health	Dr. Ch. Srinivasulu	202041012385	15-05-2020	Published
7	Blockchain Based System For Biomedical Documents Towards Data Integrity, Non-Repudiation And Digital Forensics	Dr. N. Sreekanth Mr. U. Chandra Sekhar	202041040619	25-09-2020	Published
8	Real-Time Parking Prediction System	Dr. G. Naga Satish Dr. L. Lakshmi Dr. K. V. N. Sunitha Dr. K. Srinivasa Reddy Prof. R. S. Murali Nath Ms. D. Swapna	202041045574	30-10-2020	Published
9	An Iot Based Traffic Signal Controller To Alert The Traffic Pole And Officers About The Emergency/Ambulance Vehicle Approaching The Traffic Cross	Dr. Nara Sreekanth	202041045314	30-10-2020	Published
10	An Electronic-Filling Of Deposit And Withdrawal Forms (E-Fdwf) Device For Visually Impaired And Illiterate People In Banks	Mr. M. Mahesh Kumar Dr. L. Lakshmi Dr. G. Naga Satish Dr. K. Srinivasa Reddy	202041048269	13-11-2020	Published

S. No	Title Of The Invention	Applicant Name (s)	Application No	Publication Date	Status
11	An Enhanced Process Of Split Payment Transaction And Management (Sptm) System	Prof. R. S. Murali Nath Dr. L. Lakshmi Dr. G. Naga Satish Dr. K. V. N. Sunitha Dr. K. Srinivasa Reddy Ms. G. Shanti Ms. P. Kavitha Mr. M. D. Sugnana Rao	2020103398	11-11-2020	Granted On 13-01- 2021
12	Smart Classroom Virtual Reality Head Mounted Display Device For Visual-Spatial Learner	Dr. L. Lakshmi Dr. K.V.N. Sunitha	202041052429	11-12-2020	Published
13	Virtual Reality Head Mounted Display Device With Inbuilt Hand Tracking Technology	Dr. K.V.N. Sunitha Dr. M. Mahesh Kumar	202141011513	26-03-2021	Published
14	A Portable Medicine Identification And Alerting System For Visually Challenged People And Geriatrics	Dr. K.V.N. Sunitha	202141011491	26-03-2021	Published
15	A Decentralized Privacy-Preserving Multi-Instance Iris Authentication Device (Dpmiad)	Dr. M. Mahesh Kumar Dr. L. Lakshmi Mr. K. Bhargav Ram Dr. G. Naga Satish	202141019089	07-05-2021	Published
16	Development Of Pulp Extraction Mechanism From The Underutilized By Product Of Tender Coconut (Coco Biz)	Dr. L. Lakshmi Dr. K. V. N. Sunitha Dr. G. Naga Satish	202141040409	17-09-2021	Published
17	A System For Detection And Rectification Of Distorted Fingerprints	Dr. N. Sreekanth Mr. U. Chandra Sekhar	202141042991	01-10-2021	Published
18	Method And System For Implementing Power Grid Control Operations Using Big Data Based Artificial Intelligence (Ai) Techniques	Ms. M. Shanmuga Sundari	202141054474	10-12-2021	Published
19	An Augmented Reality And Iot Based Covid Patient Monitoring System	Dr. M. Indrasena Reddy	202141053540	10-12-2021	Published

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20	System & Applications Of Artificial Intelligence For Interplay Between Business, Innovation And Technology	Dr. Vinay Raj	202141058897	24-12-2021	Published
21	An Intelligent Transportation Road Accident Prediction And Prevention (Rapp) Device	Dr. L. Lakshmi Dr. G. Naga Satish Dr. K. V. N. Sunitha Prof. R. S. Murali Nath	202141061897	07-01-2022	Published
22	Dynamic Traffic Control System Based On Wireless Sensor Network	Dr. Vinay Raj Mr Shiva Murthy Hiremath Dr. Nara Sreekanth Mr U Chandra Sekhar	202141057955	04-02-2022	Published
23	A System Based On Network Aware Application Dependent Adaptive Protocol Selection For Iot Communications	Dr. Venkatesh B	202241050948	16-09-2022	Published
24	A Threat Detection System For Protecting A Device Against A Cyber-Attack And Method Thereof		202241057079	14-10-2022	Published
25	Secured Iot Framework For Malware Detection On Cloud Networks Using Machine Learning	Dr. G. Naga Satish Ms. M. Shanmuga Sundari	202341002324	17-02-2023	Published
26.	Blockchain Enabled Device For Computer Network Safety.	Dr. Indrasena Reddy	384447-001	20-04-2023	Published
27.	An Algorithm For Cyber Threat Detection And The Monitoring Of Security Based On Semantic Machine Learning	Dr. G. Naga Satish	202341036848	01-09-2023	Published
28	A System And Apparatus For Advanced Enhanced Neural Style Transfer (Nst) Method Leveraging Resnet Architecture For High Fidelity Image Synthesis	Dr. K.V.N Sunitha Ms. M. Shanmuga Sundari Dr. G. Naga Satish Dr. R Suneetha Rani Mr. M. Dyva Sugnana Rao Ms. Suparna Das Ms. Vidyullatha Sukhavasi	202341066332	20-10-2023	Published

S. No	Title Of The Invention	Applicant Name (s)	Application No	Publication Date	Status
		Ms. Kbks Durga Ms. Poonam Shaylesh Lunawat Mr. Ch. Anil Kumar Ms. M Sudha Rani Ms. Mayukha(Std)			
29	Design Of Bluetooth-Controlled Motorized Abdomen Scan Equipment	Mr. Thottempudi Pardhu Dr. K.V.N. Sunitha Dr. Anwar Bhasha Pattan Dr. K. Vasu Babu	202341037540	18-08-2023	Published
30	A Method And System Of Improving Cyber Security By Improved Prediction Potential Of Machine Learning Models	Dr. M Indra Sena Reddy	202441020146	29/03/2024	Published
31	A System And Method For Optimized Timeframe Brain Tumor Detection Utilizing Squeezenet Technology	Ms. Vidyullatha Sukhavasi Ms. M. Shanmuga Sundari Ms. Poonam Shaylesh Lunawat	202441008405	08/03/2024	Published
32	Iot Based System And Design Approach For Health Monitoring Of Wearable	Ms. Padmavati E Gundgurti Ms. D Swapna Ms. V Manya Dr. Reya Sharma	202441025743	05/04/2024	Published
33	System And Method For Enhancing The Safety Of A Driver	N. M. Sai Krishna Kumar R Priyakanth Murali Nath R S B Sita Swapnika (Std) Manasa Chalasanic(Std) Sesha Satya Priyanka Maddimsetty(Std)	202341076498	16/02/2024	Published
34	Diabetic Retinopathy Detection Using Color Image Processing	Dr.V.Surya Narayana Reddy	202441065271	06/09/2024	Published

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35	Blockchain-Based E-Commerce Online Application Using Distributed Ledger Technology	Mr. M Dyva Sugnana Rao	202441066407	13/09/2024	Published
36	Automated Gas Cylinder Management System With Integrated Smart Dashboard Control	Dr. M. Shanmuga Sundari Ms. D. Swapna Ms. Kbks Durga	202441079729	25/10/2024	Published
37	Accident Detection And Alert System	Murali Nath R S Haripriya Kalluri(Std) Raghavi Samala(Std) Yasaswini Tinnaluri(Std)	202441049419	25/10/2024	Published
38	Posture Screening System For Joint Injury Detection In Athletes Using Biomechanical Analysis	Dr. R. Suneetha Rani Ms.Vidyullatha Sukhavasi Dr. Shanmuga Sundari M	202441083588	8/11/2024	Published
39	Smart System For Enhanced Vision In Facial Recognition Attendance	Dr.Nara Sreekanth	202441083939	8/11/2024	Published
40	IoT And Machine Learning-Driven Platforms For Intelligent Environmental Pollution Monitoring And Management	K. Neha	202421080563	11/22/2024	Published
41	Conveyor-Based Filling Machine With Integrated Control Systems And Microcontroller Automation	Nara Sreekanth	202441093043	06/12/2024	Published
42	Cybersecurity Intrusion Detection: Evaluating Deep Learning Models With The Ciccddos2019 Dataset	Dr. Ashok S	202441076395	18/10/2024	Published
43	Smart Diaper System With Load Monitoring And Insect Detection For Healthcare Assistance	Dr. M. Shanmuga Sundari Ms. Yeluri Divya Ms. D. Swapna	202441101562	10/01/2025	Published
44	Integrated System For Neuro Disease Diagnosis And Management Using Large Language Models And Advanced Image Processing	Ms. D. Swapna Ms. Suparna Das Dr. Shanmuga Sundari M	202541010761	14/02/2025	Published
45	Edge-Aware Geospatial Image Analytics System For Precise Land Use Classification	Dr. R. Suneetha Rani Dr. Shanmuga Sundari M Ms. Suparna Das	202541012330	21/02/2025	Published

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46	Enhanced Human Pose Estimation With Predictive Modeling Using U-Net And BlazePose Frameworks	Dr. Shanmuga Sundari M Ms. Thada Jyothirmai(Std)	202541007992	14/02/2025	Published
47	Ai-Powered Phishing Detection System Using Natural Language Processing	Ms. Padmavati E Gundgurti Ms. B Nagaveni Ms. Oleti Harshitha(Std) Ms. Mamdadi Bhavika(Std)	202541008483	21/02/2025	Published
48	Ai-Powered Fault Prediction In Industrial Duct Fans For Proactive Maintenance	Dr. M. Indrasena Reddy Dr. V. Surya Narayana Reddy Mr. M. Dyva Sugnana Rao Mr. Naresh Koenni	202541030753	11/4/2025	Published
49	Real-Time Sign Language Gesture Recognition For Women's Safety Using Dynamic Time Warping And Voting Algorithms	Dr.Akansha Tyagi Dr. Sanivarapu Prasanth Vaidya Ms. Poonam Lunawat Dr. Ashok S Dr. Naga Satish G	202541025175	28/3/2025	Published
50	Ai-Powered Diagnostic Tool For Brain Tumor Classification With Telegram Bot	Banka. Sujatha Dr. K.V.N. Sunitha Dr. Chava Sunil Kumar	202541029025	25/04/2025	Published
51	Control Home Appliances Using Hand Gesture With Smart Gloves	Sanivarapu Prasanth Vaidya Akansha Tyagi C. Krishna Reddy Ashok S G Naga Satish	202541042712	30/05/2025	Published
52	Ai-Powered Medical Chatbot For Medicine Identification And Treatment Guidance Using Nlp And Ocr	Dr. C Nagaraju Dr. R Suneetha Rani Gadiraju Rishitha(Std) Padamata Pragna Sri Lalitha(Std) Arram Deepini(Std)	202541046049	30/05/2025	Published

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53	A System And Method For Analyzing Brain Coordination And Mitigating The Impact Of Screen Time	T Durga Devi Dr. G Naga Satish Ms. K.B.K.S Durga	202541044724	30/05/2025	Published
54	Voice2sign : Enabling Communication Through Gestures	Dr. Akansha Tyagi Dr. Prasanth Vaidya Blessy K (Std) Lohitha N (Std) Rubeena (Std)	202541054250	16/06/2025	Published
55	IOT-ENABLED SMART HEALTH MONITORING AND REAL-TIME FEEDBACK SYSTEM	Mr. N RAGHAVA RAO	202541097738	14/11/2025	Published
56	Deep Neural Network Based Device for Multi-Region capture and 3D Scene Mapping	Dr.K.Kanaka Vardhini	202541095382	31/10/2025	Published
57	SmartCane: IoT-Enhanced Mobility and Safety for the Visually Impaired	1) Tulluri Durga Devi 2) Dr. R Suneetha Rani	202541101742	28/11/2025	Published
58	AI-POWERED ARRHYTHMIA DETECTION SYSTEM USING RAW ECG WAVEFORMS	Ms. M.Sandhya Vani	202541115405	5/12/2025	Published
59	Smart Stock AI - Real-Time Autonomous Shelf Management System	1. Ms Manjula Pilaka 2. Ms. K Vineela	202541117194	19/12/2025	Published
60	ENERGY-EFFICIENT SYSTEM AND METHOD FOR ADAPTIVE DATA AGGREGATION AND TRANSMISSION IN LARGE-SCALE IOT DEPLOYMENTS	Ms. M Sri Sevitha	202541120964	02/01/2026	Published
61	A SYSTEM AND METHOD FOR INTELLIGENT CONTENT-BASED MEDICAL IMAGE RETRIEVAL USING MULTI-STAGE DEEP FEATURE FUSION AND SIMILARITY MATCHING	Ms. Vemuri Aneesha	202541126673	02/01/2026	Published
62	A METHOD AND SYSTEM FOR SECURE HEALTHCARE DATA SHARING USING BLOCKCHAIN-BACKED ACCESS TOKENS	Ms. G Chandana Priya	202541120966	02/01/2026	Published
63	AI-POWERED FALL CLASSIFICATION SYSTEM FOR VERTIGO PATIENTS USING MOTION DATA FROM WEARABLE DEVICES	Meghana Reddy Pasham (Std 24WH1A05M6)	202541128332	02/01/2026	Published
64	ACCIDENT CAPTURE 180 DEGREE CAMERA DEVICE FOR VEHICLES	Meghana Reddy Pasham (Std 24WH1A05M6)	202541132639	02/01/2026	Published