

DAYANANDA SAGAR UNIVERSITY
School of Engineering
Department of Computer Science & Technology
Patent Publication Details
Academic Year 2025 - 26

Sl. No	Patent Title	Application No	Applicant Details	Inventor Details	Filling Date	Publishing Date
1	MedConnect: AN AI-Powered, Blockchain-Enabled Medical Chatbot for Accessible Healthcare	202541061031 A	Santosh Kumar Jankatti Dayananda Sagar University Dr. Gousia Thahniyath	Dayananda Sagar University Dr. Gousia Thahniyath Ms. Fenita F Dr. Mouleeswaran S K Ms. Shivamma D Dr. Santosh Kumar J	26-06-2025	11-07-2025
2	Smart Pen for Word and Sentence Tracking, Error Correction and Brain Activity Analysis	202541071486 A	Santosh Kumar Jankatti Dayananda Sagar University Mahadev S Dr. Ravi Kumar H C Dr. Kalpavi C Y	Santosh Kumar Jankatti Dayananda Sagar University Mahadev S Dr. Ravi Kumar H C Dr. Kalpavi C Y	28-07-2025	01-08-2025
3	An Adaptive Real Time Seizure Warning System using CNN, Fuzzy Logic and Reinforcement Learning Optimised for Edge Development	202541071731 A	Diana George Dayananda Sagar University Santosh Kumar Jankatti	Diana George Mahadev S Dr. Kalpavi C Y Dr. Ravi Kumar H C Santosh Kumar Jankatti	29-07-2025	01-08-2025
4	AI-Based Real Time Air Quality Forecasting System Using CNN-Transformer Hybrid Model with Cloud Integration	202541074449 A	Dayananda Sagar University	Dayananda Sagar University Navya R Diana George Dr. Veena S Kavyashree G M Supriya R K Gagana B R Namitha K Y Dr. Santosh Kumar J	05-08-2025	22-08-2025

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5	An Explainable AI-Based Multimodal Brain Imaging Framework for Early Detection and Classification of Neurological Vision Defects	202541073666 A	Santosh Kumar Jankatti Diana George Dr. George Fernandez I Dayananda Sagar University	Diana George Dr. George Fernandez I Dayananda Sagar University	02-08-2025	22-08-2025
6	Neuro-Fuzzy Reinforcement Learning for Personalised Seizure Warning System on Edge Devices	202541073844 A	Dayananda Sagar University Dr. Veena R S Junaid M Dr. Bahubali Shiragpur Diana George	Dayananda Sagar University Dr. Veena R S Junaid M Dr. Bahubali Shiragpur Diana George	04-08-2025	22-08-2025
7	AI Assistant for the Lok Sabha Speaker for Real-time Monitoring Geotag-based Performance Analysis and Decision Support in Parliamentary Proceedings	202541080171 A	Santosh Kumar Jankatti Dr. Vidya Y Bhaskar Thyagaraju Meenakshi Dayananda Sagar University	Dr. Santosh Kumar Jankatti Dr. Vidya Y Bhaskar Thyagaraju Meenakshi Dayananda Sagar University	23-08-2025	05-09-2025
8	Satellite AI System for Roadside and River Plastic/Waste Detection & Rainfall Risk Alerts	202541081877 A	Dayananda Sagar University Dr. Santosh Kumar Jankatti Meenakshi Dr. Arun Balodi Dr. Navya R Mr. Sanju D J	Dayananda Sagar University Dr. Santosh Kumar Jankatti Meenakshi Dr. Arun Balodi Dr. Navya R Mr. Sanju D J	28-08-2025	05-09-2025
9	Intelligent Data Lake Integrity and Self-Recovery System	202541081058 A	Santosh Kumar Jankatti Prof. Proloy Biswas Prof. Soumadip Mondal Prof. Suhita Biswas Prof. Sonali Bairagi Prof. Soham Ghosh	Prof. Proloy Biswas Prof. Soumadip Mondal Prof. Suhita Biswas Prof. Sonali Bairagi Prof. Soham Ghosh Dayananda Sagar University	26-08-2025	19-09-2025
10	Method And System For Multi-Objective Optimization of Ai Workloads Using Carbon Intensity and Renewable Energy Forecasting	202541093796 A	Santosh Kumar Jankatti Dayananda Sagar University	Sweta Chopdar Yapalaparvi Sruthi Diana George Soumadip Mondal Mithun Kumar Dr. George Fernandez I Sumy Joseph Santosh Kumar Jankatti	30-09-2025	31-10-2025

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11	ContactLess Disease detection using human Aura and image Processing	202541093838 A	Santosh Kumar Jankatti Dayananda Sagar University	Dr. M Shahina Parveen Dr. Sudha D Dr. Ramandeep Kaur Mr. Junaid M Santosh Kumar Jankatti	30-09-2025	31-10-2025
12	Wearable Sweat Biosensor Patchfor Non-Invasive Health Monitoring	202541094988 A	Santosh Kumar Jankatti Dayananda Sagar University Prof. Bharath M B Dr. Kumar Dilip Prof. Gaurav Kumar Prof. Yashaswini H C Prof. Pooja Shree H R Dr. Santosh Kumar J Dr. Deepthi Chamkur V	Dayananda Sagar University Prof. Bharath M B Dr. Kumar Dilip Prof. Gaurav Kumar Prof. Yashaswini H C Prof. Pooja Shree H R Dr. Santosh Kumar J Dr. Deepthi Chamkur V	03-10-2025	31-10-2025
13	A Multilayered Quantum Cryptographic Framework to Enhance the Quantum Communication Security	202541097376 A	Santosh Kumar J Dayananda Sagar University Dr. Sebastian Nixon Dr. Girisha Dr. M Shahina Parveen Dr. Sudha D Dr. Ramandeep Kaur Dr. Vanitha M K Junaid M	Dayananda Sagar University Dr. Sebastian Nixon Dr. Girisha Dr. M Shahina Parveen Dr. Sudha D Dr. Ramandeep Kaur Dr. Vanitha M K Junaid M	09-10-2025	14-11-2025
14	Neural Network-Based System for Optimizing Toothbrush Bristle Layouts Using Performance-Driven Design	202541099324 A	Prof. Sonali Bairagi Prof. Suhita Biswas Prof. Soumadip Prof. Proloy Biswas Santosh Kumar Janakatti Dayananda Sagar University	Prof. Proloy Biswas Prof. Soumadip Prof. Suhita Biswas Prof. Sonali Bairagi Dr. Santosh Kumar J	14-10-2025	28-11-2025
15	GreenTensor – Unified Carbon-Secure MLOps Platform for Sustainable and Secure AI Training	202541109226 A	Dr. Santosh Kumar Jankatti Dayananda Sagar University B. Dhivya M. Chithambarbathanu	Dr. Santosh Kumar Jankatti Dayananda Sagar University B. Dhivya M. Chithambarbathanu	11-11-2025	28-11-2025

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16	Secure Transaction protocol for Payments without Interest connectivity	202541110200 A	Santosh Kumar Jankatti Dayananda Sagar University BMS Institute of Technology & Management	Prof. Bnarath M B Prof. Ashwini S S Prof. Pavithra G Prof. Mala B A Prof. Salma Itagi Prof. Hamsaveni M Prof. Bhagyashree P Pujeri Prof. Sued Matheen Pasha	12-11-2025	28-11-2025
17	Blockchain-Integrated Adaptive IoT Framework for Secure and Explainable Health Data Exchange and Diagnosis Support	202541112591 A	Dayananda Sagar University	Prof. Bharath M B Dr. Kumar Dilip Prof. Gaurav Kumar Dr. J. Sebastian Nixon Dr. Santosh Kumar J	17-11-2025	05-12-2025
18	Noise-Resilient Handwritten Language Recognition Method Integrating Handcrafted and Deep Spatial Temporal Features	202541123092 A	Dayananda Sagar university	Benaka santoshna.S Ranjima P Vinitha.V Dr. Navya .R Santhosh kumar R K.Sudha deepthi Shivamma D Kavyashree Lakshmi	06-12-2025	02-01-2026
19	AI-Driven System for Mapping Cardiovascular Biomarkers to Emotional and Cognitive Health State	202541123300 A	Dayananda Sagar university	Prof. Proloy Biswas Prof. Soumadip Mondal Prof. Suhita Biswas Prof. Sonali Bairagi Prof. Sweta Chopdar Dr. Santosh Kumar J	07-12-2025	02-01-2026
20	Emotion-Aware Neural Composition: Transforming Lyrics into Melodic Structures Using LSTM network	202541126665 A	Dayananda Sagar university	Indu Joseph Thoppil Anusha Kogundematt Mayuri Hebbar Amrita S H Anuja Rao Diana George Dr. Priya Mathew Vineetha V Ranjima P Sumy Joseph Dr.Santosh Kumar J	15-12-2025	02-01-2026

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21	A Method and System for Blur-Aware Enhancement, Classification, and Adaptive Restoration of Aerial Images	202641000801 A	Dayananda Sagar University	Shankramma S Dr. Rajesh T M Dr.Praveen Kulkarni Dr.Shaila S G Dr.M N Renukadevi Dr. Pannangi Naresh Dr. Santhosh Kumar Jankatti Dr. Sivananda Reddy	05-01-2026	16-01-2026
22	Advanced Autonomous Vehicle System Using Behaviour Cloning for Path Optimisation	202641001597 A	Dayananda Sagar University	Dr. Gousia Thahniyath K Radhika S. Annapurna Shobitha Dr.Damodharan D Fenita F Dr.Gayathri Soham Ghosh Dr. Santosh Kumar J	07-01-2026	23-01-2026
23	A Universal Automatic Car Cover System Activated by a Switch for Parked Vehicles	202641005037 A	Dayananda Sagar university Santosh Kumar J	Dr. Santosh Kumar J Dr Santosh Kumar S Meenakshi Dr. Puttegowda D Dr. Anil Kumar C J Dr. Raghavendra S Mahadev S Dr. Harish H Kenchannavar Dr. Ramandeep kaur Dr. Danthuluri Sudha	19-01-2026	30-01-2026
24	A Multimodal Stress Detection and Adaptive Carnatic Raaga Therapy System Using EEG-Based Biofeedback and AI-Driven Vocal Emotion Recognition	202641009392 A	Dr.Renukadevi M N Dayananda Sagar University	Dr.Renukadevi M N Sampreet Kishan PK Shiva Karthick S Shwetangi Thakur Sriharsha Chalamacharla Dr. Santosh Kumar J	29-01-2026	13-02-2026

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25	An IoT-Enabled Intelligent Aquaculture Monitoring and Automated Control System with Vision-Based Analysis and AI-Assisted Decision Support	202641011438 A	Dayananda Sagar University Nandini K Kavyashree Arpita Paria Revathi V Savitha Hiremath Dr. Santosh Kumar J	Nandini K Kavyashree Arpita Paria Revathi V Savitha Hiremath Dr. Santosh Kumar J	03-02-2026	13-02-2026
26	System and Method for Energy-Aware Self-Organizing Mesh Networking in Internet of Things Devices	202641020561 A	Dayananda Sagar University Dr. Rashmi Amardeep Prof. Mala B A Prof. Bharath M B Dayananda Sagar Academy of Technology and Management Dr. Santosh Kumar J	Dr. Rashmi Amardeep Prof. Mala B A Prof. Bharath M B Dr. Santosh Kumar J	22-02-2026	06-03-2026
27	Revive-Link: Offline mesh communication system for disaster management and women safety. An Infrastructure-Independent Self-Healing Encrypted Mesh Communication System for Emergency and Disaster Management	202641020566 A	Nandini K Keerthana N M Dayananda Sagar University Likhith S J Vaishnavi Bengalur Arpita Paria Savitha Hiremath Vikas S J Dr. Santosh Kumar J	Nandini K Keerthana N M Likhith S J Vaishnavi Bengalur Arpita Paria Savitha Hiremath Vikas S J	22-02-2026	06-03-2026
28	Hardware-Enforced Dynamic Access Control and Behavioral – Restricted USB Storage System	202641022154 A	Dayananda Sagar University Santosh Kumar J Hemachandra Reddy K	Santosh Kumar J Hemachandra Reddy K	25-02-2026	06-03-2026

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29	An Augmented Reality-Based Three-Dimensional Brain Visualization System for Automated Segmentation, Classification, and Interactive Rendering of Ischemic and Hemorrhagic Stroke Regions from Computed Tomography Images	202641024991 A	Dayananda Sagar University	Dr. RenukaDevi M N Dr. Revathi V Dr. Naresh Nikhil Dr. Roopa H N Asha S K Spoorti C K Sunitha T G Vaishnavi N M Dr. Santosh Kumar J	03-03-2026	13-03-2026
30	System and Method for Generating and Immersive Visualization of the 3D Perfusion Maps for Ischemic Stroke Assessment Using Artificial Intelligence and Augmented/Virtual Reality	202641025134 A	Dayananda Sagar University	Dr. Revathi V Dr. RenukaDevi M N Dr. Naresh Nikhil Dr. Roopa H N Syed Fuzail Rubbani Suhaib yasir bhosge Sunil Kumar chavhan Tavva Tejaswini Reddy Dr.Santosh Kumar J	03-03-2026	13-03-2026
31	Real-Time Metabolic Drift Detection System Using Intelligent Microfluidic IoT Patch Sensors	202641026797 A	Vemana Institute of Technology Dayananda Sagar University	Dr.Kantharaju H.C Prof. Sowjanya S Prof. Madhu Rekha M Prof. Ashvini V Prof. Latha Yadav T R Prof. Mala B A Prof. Bharath M B Dr.Santosh Kumar J	07-03-2026	20-03-2026
32	System and Method for Artifact Suppression in Bandwidth-Constrained Wireless Image Transmission Using Lightweight Deep Learning and Generative Models	202641026923 A	Dayananda Sagar University	Naeem Ahmed Dr. Navya R Dr. Arun Ananthanarayanan Dr. Santosh Kumar J Dr. Spoorthi B S	07-03-2026	20-03-2026

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33	An IoT-Enabled Autonomous Medicine Dispensing Kiosk with RFID Smart Health Card and AI-Assisted Telemedicine for Underserved Communities	202641028045 A	Dayananda Sagar University	Pragathi A B Yashodha H R Shreyas R Tejovardhini Kushi N J Dr. Santosh Kumar J Dr. Shahina Parveen M Dr. Hemachandra Reddy K Dr. Sudha D, Dr. Ramandeep Kaur	10-03-2026	20-03-2026
34	A Multi-Modal Multi-Agent Artificial Intelligence Powered Smart ERP System for Integrated University Ecosystem Management	202641033095 A	Dayananda Sagar University	Dr. Prakash S Supreeth S Riple Godhani Dr. Santosh Kumar J Dr. Bahubali Shiragapur Dr. Viswanathan R Dr. Godfrey D	19-03-2026	27-03-2026
35	Smart Sensor-Based Automated Land Cover System for Crop Protection and Yield Enhancement under Extreme Weather Conditions	202641033655 A	Dayananda Sagar University	Dr. Santosh Kumar J Dr. Santosh Reddy P Dr. Hemachandra Reddy K Dr. Aruna Kumar B	20-03-2026	10-04-2026
36	Edge AI-Driven Embedded Computer Vision and Mechatronic Hardware System for Real-Time Classification and Autonomous Segregation of Solid Waste Using Deep Neural Networks	202641041475 A	Dayananda Sagar University	Shivamma D Dr. Shaila S G Dr. Navya .R Dr. Santhosh Kumar G U. Pavan Kumar Tiruvedula Gopi Krishna Sridhar S K Santhosh Kumar R Puneeth N Dr.Santosh Kumar J Elicherla, Sivananda Lahari Reddy	31-03-2026	10-04-2026

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37	A System and Method for Safety-Aware Pedestrian Navigation Using Geospatial Risk Modelling and Augmented Reality-Based Guidance	202641051669 A	Dayananda Sagar University	Benaka Santhosha Diana George G.Naga Harshini Keerthi S Ashley Dam Aravind B Arpita Paria Dr. Santosh Kumar J	23-04-2026	01-05-2026
38	A System and Method for Personalized Real-Time Seizure Prediction and Adaptive Alert Generation Using Deep Neuro-Fuzzy Reinforcement Learning on Edge Devices	202641051703 A	Dayananda Sagar University	Diana George Dharmendra D.P Manoj U Madan B R Rakshith S Reddy Mithun Gowda Bharath M B Deepthi chamkur v Dr. Santosh Kumar J	23-04-2026	01-05-2026
39	Optimizing Deep Learning for Medical Imaging with Fast-AI And Transfer Learning to Detect Pneumonia Variants	202641056650 A	Dayananda Sagar University	Adithya G Jangid Pritam Kumar Sahoo Aditya kumar Singh Pradyumna Senapati Bharathiraja Nagu K.Vengatesan Professor Mouleeswaran SK Dr. Santosh Kumar J	04-05-2026	15-05-2026
40	Multimodal System for Rare Genetic Disease Prediction Using Phenotype and Facial Features	202641056706 A	Dayananda Sagar University	Gauri Bhasme Unnati Rana Shubh Kumar Yogitha P Bharathiraja Nagu K.Vengatesan Dr.Santosh Kumar J	04-05-2026	15-05-2026
41	Scam Sentinel: A System and Method for On-Device Multi-Modal Fraud Detection in Telecommunication Sessions	202641056761 A	Dayananda Sagar University	Dr.Kumar Dilip Vaishnav.S.Reddy Gaurav Sharma Danuvanth C B Gautham kumar mandal, Prof. Bharath M B Dr. Santosh Kumar J	05-05-2026	15-05-2026

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42	A System and Method for Real-Time Verification of Fuel Quantity and Quality Using a Multi-Sensor Embedded Architecture ((Fuel Quantity Verification System (FQVS))	202641057481 A	Santosh Kumar Jankatti Prathamesh Madhukeshwar Naik Dr. Danthuluri Sudha	Prathamesh Madhukeshwar Naik Dr. Danthuluri Sudha Dr. Santosh Kumar Jankatti	06-05-2026	15-05-2026
43	Compact Air Purification System for Affordable Indoor Air Quality Control	202641057452 A	Dayananda Sagar University	Agrim Sanjeev Kaushal Mohammed Araf Keshna Bansal Sneha K Yashaswini R Dr. Sudha D Dr. Santosh Reddy P Dr. Ramandeep Kaur Yashaswini B V Vinayaka V M Dr. Santosh Kumar J	06-05-2026	15-05-2026
44	Q-Bhasha: A Hybrid Quantum-Classical Framework for Code-Mixed Multilingual Translation in Indian Languages	202641065680 A	Dayananda Sagar University Dr. Hemachandra Reddy K Dr. Aruna Kumar B Dr. Santosh Kumar J	Dr. Hemachandra Reddy K Dr. Aruna Kumar B Dr. Santosh Kumar J	25-05-2026	05-06-2026
45	System and Method for Multi-Modal Driver Behavior Analysis, Context Awareness, Predictive Risk Assessment, Vehicle Component Aging, Service Verification, and AI-Based Driving License Issuance and Renewal	202641063512 A	Dayananda Sagar University	Dr. Prakash Sheelvanthmath Dr. Santosh Kumar J Dr. Bahubali Dr. Godfrey D Dr. Rupam Bhaduri Dr. Viswanathan R Dr. Ravikumar H C Dr. Harish H. Kenchannavar Mahadev S Dr. Hemachandra Reddy	20-05-2026	05-06-2026