DAYANANDA SAGAR UNIVERSITY

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SCHOOL OF ENGINEERING

SOE - "The Weekly Buzz"

The Official Weekly Newsletter of School of Engineering

SCHOOL OF ENGINEERING

VISION

- Transform lives through excellence in engineering education, research and innovation with an emphasis on sustainability, inclusive technologies and global needs.

MISSION

- Design and deliver contemporary engineering curricula to address regional and global needs while emphasizing ethics, values, integrity and regional relevance.

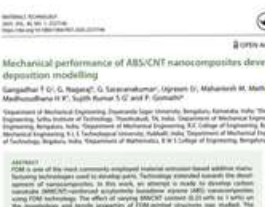
- Carryout high impact academic research, industry projects and innovation activities with active student engagement to advance science and engineering knowledge and state-of-the art industry practices.

- Develop regional and national leaders to advance the society and economy.

Faculty Contributions

Department Of Artificial Intelligence & Robotics

We are proud to share that Dr. Gangadhar T. G, Associate Professor, Department of Artificial Intelligence and Robotics, School of Engineering, Dayananda Sagar University, has published a high-impact research paper titled “Mechanical performance of ABS/CNT nanocomposites developed by Fused Deposition Modeling” in a Q1-ranked journal from the Taylor & Francis publishing group. The study focuses on enhancing the mechanical properties of Acrylonitrile Butadiene Styrene (ABS) by reinforcing it with Carbon Nanotubes (CNTs) using Fused Deposition Modeling (FDM) technology. By analyzing tensile strength, modulus, and durability, the research offers valuable insights into developing stronger, lightweight components for advanced manufacturing, with significant implications in additive manufacturing, materials science, and materials optimization.



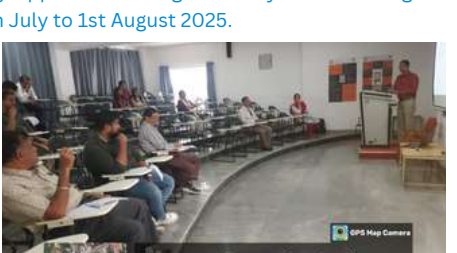
Mechanical performance of ABS/CNT nanocomposites developed by fused deposition modelling

Department Of Aerospace Engineering

We are proud to share that Mr. Kartik S Tandel, Assistant Professor, Department of Aerospace Engineering, has recently published his research article titled “Nonlinear Dynamics of Nitinol-Enhanced Carbon-Fiber-Reinforced Polymer Beam-Rod in Subsonic Flow” in the prestigious Journal of Aircraft (DOI: 10.2514/1.C038325). His study explores the integration of prestressed pseudoelastic Nitinol wires with carbon-fiber-reinforced polymer (CFRP) beam-rods, enabling adaptive stiffness modulation for enhanced aeroelastic stability. The findings highlight how shape memory alloy-enhanced composites can effectively suppress flutter, control vibrations, and mitigate limit cycle oscillations, thereby offering new possibilities for next-generation morphing and adaptive aerospace structures.

Department Of Computer Science and Engineering

Dr. Prabhakar M, Professor, Department of CSE Served as a Resource Person for the Five Day Faculty Development Program on “Avenues of Machine Learning in Core Engineering Applications” organized by ATME College of Engineering, Mysore from 28th July to 1st August 2025.



Dr. George Fernandez I, Associate professor and Dr. T Gayathri, Assistant Professor, Department of CSE Published a Paper in the Scopus indexed Q2 Journal named Journal of Internet Services and Information Security (JISIS), with the title “Adaptive QoS Policies in Smart City Mobile Networks” during July 2025 with volume: 15, pp. 160-172. DOI: 10.58346/JISIS.2025.I2.012

Adaptive QoS Policies in Smart City Mobile Networks

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Abstract

The increased intricacy related to the architecture of smart cities necessitates sophisticated and intelligent adaptation of Quality of Service (QoS) techniques to satisfy the distinct needs of different mobile users and applications. The coexistence of diverse latency-sensitive, bandwidth-intensive, and mission-critical services in smart cities imposes dynamically changing QoS requirements that cannot be met with traditional static or best-effort policies. This paper proposes an Adaptive QoS Policy Framework based on Software-Defined Networking (SDN), Mobile Edge Computing (MEC), and Machine Learning (ML) based prediction models for context-aware specific service QOS delivery in real-time. This framework is centered on the Adaptive QoS Policy Engine (AQPE), which executes dynamic traffic classification alongside predictive resource allocation and policy change employing reinforcement learning. The system was simulated in NS-3 with an OpenFlow SDN controller integrated with MEC modules developed in Python. It was tested against industry standards benchmarks of latency, jitter, overall throughput, and packet delivery ratio (PDR). The results suggest the model achieves, on average, up to 46% reduction in latency, 22% improvement in throughput, and over 10% increase in PDR compared to baseline approaches. The results show the value of employing learning intelligence and edge computing within mobile network architectures intended for smart cities. As noted earlier, the adaptive metropolitan approach provides

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DOI: *10.58346/JISIS.2025.I2.012*

*Corresponding author: Assistant Professor, Department of Computer Science and Engineering, Jain University, Bangalore, India.

Dr. George Fernandez I, and Dr. Revathi V, Associate Professors, Department Computer of Science and Engineering served as a Session Chair for the technical presentations and contributed towards the successful organization of IEEE sponsored 1st International Conference on Recent Innovation in Science, Engineering and Technology (ICRISET 2025) held at Jeppiaar Institute of Technology Chennai, Tamil Nadu, India, on 1st & 2nd, August 2025.

Dr George Fernandez I, Associate Professor, Prof. Sowmya H D and Prof. Soumadip Mondal, Assistant Professors, Department of CSE presented the research paper entitled “Intelligent Load Balancing for AI-Enhanced Edge-Cloud Architectures" in the IEEE Technical Sponsored 1st International Conference on Recent Innovation Science, Engineering and Technology (ICRISET 2025) Jeppiaar Institute of Technology Chennai, Tamil Nadu, India, on 1st & 2nd, August 2025.

Prof. Diana George, Assistant Professor and Dr George Fernandez I, Associate Professor, Department of CSE presented the research paper entitled “AI-Driven Integration of Multimodal Neuroimaging for Vision Defect Detection and Classification” in the IEEE Technical Sponsored 1st International Conference on Recent Innovation Science, Engineering and Technology (ICRISET 2025) Jeppiaar Institute of Technology Chennai, Tamil Nadu, India, on 1st & 2nd, August 2025.

Prof. Diana George, Assistant Professor and Dr George Fernandez I, Associate Professor, Department of CSE presented the research paper entitled “Automated Wireless Charging System for Electric Vehicles Using Cloud Control” in the IEEE Technical Sponsored 1st International Conference on Recent Innovation Science, Engineering and Technology (ICRISET 2025) Jeppiaar Institute of Technology Chennai, Tamil Nadu, India, on 1st & 2nd, August 2025.

Prof. Diana George, Assistant Professor, Department of CSE published a patent titled “An Adaptive Real-Time Seizure Warning System Using CNN, Fuzzy Logic, and Reinforcement Learning Optimized for Edge Deployment” by the Indian Patent Office under the application number 202541071731 on 29/07/2025.

Prof. Santosh M, Assistant Professor, Department of CSE attended five-day FDP on "5G & Beyond: Bridging Tomorrow" from 28 July to 1 August 2025 in the NOKIA Bengaluru company under NBUC (Nokia Bengaluru University collaboration).

Dr. Arunkumar Gopu, Dr. George Fernandez I, Associate Professors, Department of CSE received a Consultancy project funding of Rs. 2lakhs as Co-principal Investigators for the project titled "a)Kinematics Synthesis of pantograph Mechanism using Matlab/Ansys/ Any Cad Software and b) CFD Analysis for Hr Pantograph @0 Degree and 180 Degree at Different Height and Different Field Speeds” from SPM India Limited, Bangalore Mysore Highway Ketaganahalli Village Bidadi Hobli Ramanagar Taluk during August 2025.

Department Of CSE (AIML)

The Department of Computer Science and Engineering (AI & ML), School of Engineering, DSU, is proud to announce the publication of a research article titled “Blockchain-Enabled Medical Waste Management System for Enhanced Traceability, Safety and Environmental Protection” in the International Journal of Advances in Soft Computing and its Applications (Q2 – SciVal 2025). The paper, authored by Mr. Lakshmanan M, Mr. Joshuva Arockia Dhanraj, Mr. Sriramkumar R, Mr. Mude Nagarjuna Naik, Mr. Mithaguru (CSE – AI & ML), and Mr. Godhandaraman T (CSE – Data Science), presents a novel IoT-driven blockchain framework that leverages smart contracts, GPS-enabled smart bins, and advanced validation models to enhance medical waste traceability, safety, and compliance with environmental regulations. This impactful research highlights DSU’s commitment to addressing real-world sustainability challenges through cutting-edge technological innovations.

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Blockchain-Enabled Medical Waste Management System for Enhanced Traceability, Safety and Environmental Protection

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[2]Lovely Professional University, Phagwara, Punjab, India.
[3]Chandigarh University, Mohali, Punjab, India.
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Abstract

Medical waste management has grave issues concerning traceability, regulatory, and the environment. The traditional systems which are centered on manual record-keeping and the usage of centralized databases usually lead to data loss and unauthorized disposal along with inefficiencies. In this paper, the researcher comes up with a blockchain-integrated medical waste management system to support Internet of Things (IoT)-driven technologies and smart contracts to streamline a safe, autonomous, and auditamparting system of waste handling. Smart bins enabled with IoT and fitted with GPS, ultrasonic and weight sensors collect live data regarding waste creation and conveyance and this information is transferred relayed through Wi-Fi/LoRaWAN to the edge/cloud gateways. The data is stored in a protected manner, verified on a permissioned blockchain and, most importantly, the most important tasks, such as scheduling a pickup and approving disposal are done within smart contracts. Experimental findings show 100 percent traceability accuracy, a 10 percent less time in disposal, and a 90 percent better regulatory compliance. The proposed framework will have three new contributions as compared to the existing systems, augmenting the route validation algorithm with a tie tracking device in the form of GPS to detect and prevent deviation, a neural network-based model to pre-validate transactions and prevent fraud, and an optimization layer within the smart contract that will support the energy use to ensure scalability of the proposed framework. The said features altogether allow smart, anticipatory, and regulation-conformant waste processing, which makes this work stand out of existing methods.

Keywords: *Blockchain, Traceability, Medical Waste, Environmental Protection, GPS-based route validation.*

1 Introduction

Illegal dumping of medical waste has turned out to be a major global concern since it can have dire effects both to the environment and to the human body. Hazardous medical

Received 1 May 2025; Accepted 10 July 2025

We are delighted to share that Prof. Trupthi Rao, Assistant Professor, Department of CSE (AI & ML), School of Engineering, DSU, presented two research papers titled “Investigating the Root Causes of Crime using Fuzzy Logic” and “Smarter Farming: Predicting Crop Viability through Temperature and Humidity Analysis” at the 3rd IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON-2025) held on 1st–2nd August 2025. The conference, organized by Nitte Meenakshi Institute of Technology, Bengaluru in association with the IEEE Bangalore Section, provided a global platform for knowledge exchange and innovative research discussions, where Prof. Trupthi Rao’s contributions highlighted DSU’s research excellence in AI-driven societal and agricultural applications.


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IEEE NMITCON 3rd IEEE International Conference on Networks, Multimedia and Information Technology

Certificate of Participation

This Certificate is Presented to

Trupthi Rao
for the Paper Titled

Investigating The Root Causes of Crime using Fuzzy Logic

at the 3rd IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON-2025) during 1st-2nd, August 2025 in Association with IEEE Bangalore Section, Organized by Nitte Meenakshi Institute of Technology, Bengaluru.

Dr. PARAMESHACHARI B D
Conference Chair, NMITCON
Professor & HoD, Dept. of ECE, NMIT

Dr. H C NAGARAJ
Principal,
NMIT

Technical Co-Sponsor: IEEE

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Nitte University Campus, Bengaluru

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Conference Chair, NMITCON
Professor & HoD, Dept. of ECE, NMIT

Dr. H C NAGARAJ
Principal,
NMIT

Technical Co-Sponsor: IEEE

Academic Partners: VTU, Belagavi

Department Of CSE (Data Science)

Dr. U. Pavan Kumar as Reviewer for the 03rd IEEE International Conferences on Network, Multimedia, and Information Technology (NMITCON) 2025 organized Nitte Meenakshi Institute of Technology, Bengaluru held on 01st & 02nd August 2025 by IEEE Bangalore Section.


NITTE

IEEE

CERTIFICATE OF REVIEWER RECOGNITION

This is to recognise the contribution of

Dr. U. Pavan Kumar

as REVIEWER for 3rd IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON) organized at Nitte Meenakshi Institute of Technology, Bengaluru, India on 1st and 2nd August 2025 in association with IEEE Bangalore Section.

Department Of Computer Science and Technology

Dr. Santosh Kumar J published a patent on "Smart Pen for Word and Sentence Tracking, Error Correction, and Brain Activity Analysis" (Application Number: 202541071486A).

Dr. Santosh Kumar J published a patent on "An Adaptive Real Time Seizure Warning System using CNN, Fuzzy Logic and Reinforcement Learning Optimised for Edge Development" (Application Number: 202541071731A).

Department Of Electronics & Communication Engineering

Dr. Navya R, Assistant Professor of ECE at Dayananda Sagar University, Bengaluru, received a peer-reviewed certificate for her paper titled "Automated Wireless Charging System for Electric Vehicles Using Cloud Control" at the IEEE-sponsored 1st International Conference on Recent Innovation in Science, Engineering, and Technology (ICRISET 2025), held on 1–2 August 2025 at Jeppiaar Institute of Technology, Chennai.

Dr. Owais Ahmad Shah, Assistant Professor from the Department of Electronics and Communication Engineering, Dayananda Sagar University, Bengaluru has authored the chapter “VLSI and Neural Networks Integration in Industry 4.0: A Comprehensive Approach” in the newly released Springer book Convergence of Artificial Intelligence, Machine Learning, and the Internet of Things in Industry 4.0 Applications. The chapter, published in July 2025, explores how combining Very Large Scale Integration (VLSI) and neural network technologies can enhance applications such as sensor integration, edge computing, predictive maintenance, quality control, and anomaly detection in Industry 4.0 environments.

Prof. Jisy N. K, Assistant Professor from the Department of Electronics and Communication Engineering, Dayananda Sagar University, Bengaluru and Deepak Saha (ENG21EC0026), student from the Department of Electronics and Communication Engineering, Dayananda Sagar University, Bengaluru presented their award-winning research, titled “Dual-Mode Robotic Arm Control System: Voice and Gesture Integration”, at the 3rd IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON-2025), held from 1–2 August 2025 at Nitte Meenakshi Institute of Technology, Bengaluru. This innovative work, co-authored with Dr. Vinu R, Prof. Sivasankari S. S., and Dr. Arun Balodi, was honoured with the Best Paper Award during the conference session, spotlighting smart control systems in robotics through multi-modal interaction.

Dr. Arun Balodi, Professor & Chair (ECE), SOE-DSu, delivered an insightful session titled “Robotics in Healthcare” as part of the Faculty Development Program on AI-Powered Robotics in Industrial Automation Applications for Future Research, held on 28 July 2025. The event was co-organized by the IEEE RAS Bangalore Chapter and the IEEE BGS Student Branch Chapter, fostering a rich dialogue on the future of robotics in medical applications. Dr. Balodi extended heartfelt thanks to IEEE RAS Bangalore Section, Dr. Mangala Gowri S. G., and the IEEE BGS Student Branch Chapter for their collaboration and support in organizing this impactful session.

Dr. Sneha Sharma, Assistant Professor from the Department of Electronics and Communication Engineering, Dayananda Sagar University, Bengaluru has been honored with a Certificate of Reviewing from Optics & Laser Technology —a prestigious journal published by Elsevier—in recognition of her completion of two peer reviews in July 2025. This acknowledgment exemplifies her valuable contribution to scholarly peer review and advancing rigorous scientific evaluation.

Departmental Activities

Department Of Artificial Intelligence & Robotics

On 2nd August 2025, Dr. Pramod Kumar Naik, Chairperson of the Department of Artificial Intelligence and Robotics at Dayananda Sagar University's School of Engineering, visited Maridi Bio Industries Pvt. Ltd. in the Harohalli Industrial Area, Ramanagar District, Karnataka, to explore opportunities for research and industrial collaboration. The visit focused on bio-waste management, automation, AI-driven process optimization, and smart sustainability solutions. Dr. Naik engaged with the company's team and reviewed their advanced biohazard waste collection and treatment systems. Discussions centered on integrating robotics and AI technologies for enhancing process automation, safety monitoring, and real-time environmental analytics. This visit represents a significant step toward fostering academia-industry partnerships aimed at developing innovative, AI-enabled sustainable solutions for waste management and public health safety.

On 1st August 2025, Dr. Pramod Kumar Naik, Chairperson of the Department of Artificial Intelligence and Robotics at Dayananda Sagar University's School of Engineering, visited Scaler School of Technology to explore collaboration opportunities in robotics and intelligent systems. During the visit, he engaged with faculty, students, and technical teams at the Scaler Robotics Lab, witnessing live demonstrations of advanced robotic platforms and AI-integrated projects. The discussions highlighted prospects for joint research on autonomous systems, student internships, and organizing hackathons focused on AI and robotics. This visit marks the beginning of a strategic partnership aimed at fostering innovation, experiential learning, and collaborative technological development in the field of AI-driven robotics.

Student Activities

Prof. Ramandeep Kaur (ENG19CSPP16), Research Scholar, Department of Computer Science and Engineering, under the guidance of Dr. V. Revathi, Associate Professor, Department of CSE completed her Ph.D. Defense VIVA-VOCE entitled “Fault Detection in Cloud Computing Using Machine Learning”, on 29th July, 2025, in A504, School of Engineering, Dayananda Sagar University, Devarakaggalahalli, Harohalli.

Mr. Andrew Nitin Joseph (ENG21CS0164), Mr. Naindeep Singh (ENG21CS0261), Ms. Jasmitha JK (ENG21CS0168), Mr. Mathew Jacob (ENG21CS0226), 2025 graduated CSE students Published a Paper in the Scopus indexed Q3 Journal under the guidance of Dr. Revathi V, Associate Professor, department of CSE with the title “AI-Enabled Cloudless Home Ecosystem: A Decentralized Architecture for Enhanced Security and Intelligent Control” in the journal Journal of basic science and engineering during July 2025.

Students from the Department of CSE, SOE-DSU, demonstrated their innovative capabilities at the 48th Series of the KSCST State-Level Student Project Program (SPP) held on 1st and 2nd August 2025 at Jawaharlal Nehru New College of Engineering, Shivamogga. The project “Traffic Management System using AI & IoT” by Mr. Shariq (ENG21CS0374), Mr. Mohammad Mujeeb M Attar (ENG21CS0231), Mr. Rohan Annaso Patil (ENG21CS0340), and Mr. Yathish Raj S (ENG22CS1044), guided by Prof. Mala B A, and the project “Insight Vision” by Mr. Lohith N H (ENG21CS0206), Mr. Karthik MC (ENG21CS0207), Ms. Priya Kumari (ENG21CS0308) and Ms. Raksha R (ENG21CS0321) guided by Dr. Arunkumar Gopu, were selected for exhibition/poster presentation. The projects “Cardiac Arrhythmia Detection” by Mr. Rachit Kumar A, Ms. Saanchitha D, Mr. Savinay Nambiar, and Mr. Srinivas Reddy D, guided by Dr. Renuka Devi M.N, and “PawScan: AI-Powered Early Detection of Skin Diseases in Stray Dogs” by Mr. Venkatesh P, Mr. Nandeesh P Math, Mr. Samarth S S, and Ms. Sree Vibha G, guided by Prof. Sasikala N, were adjudged as the “Best Project of the Year.” All teams earned high praise for their innovation, technical expertise, and problem-solving approach.

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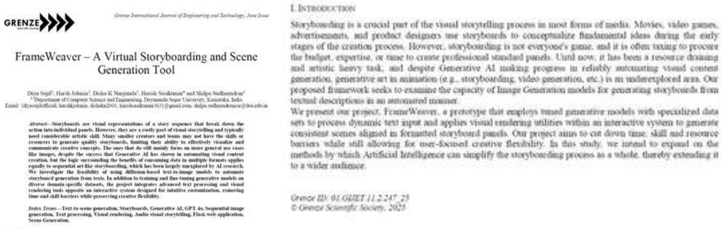
We are proud to announce that M.Tech students Mr. Giridhar S T (ENG23CSE004) and Mr. K Sai Harsha Vardhan (ENG23CSE006) from the Department of CSE, along with their faculty mentors Dr. Meenakshi Malhotra, Dr. George Fernandez I, and Dr. Girisha G S, presented their research papers at the IEEE Technical Sponsored 1st International Conference on Recent Innovation in Science, Engineering and Technology (ICRISET 2025), held at Jeppiaar Institute of Technology, Chennai, Tamil Nadu, on 1st & 2nd August 2025. Their papers, titled “LLM-Based Dysarthric Communication Aid with Text and Voice Output” and “Medical Imaging of Automated Diagnosis with Deep Learning Cloud-Based Framework”, highlight innovative solutions addressing real-world challenges in communication aid and medical diagnostics.

Ms. Ambika (ENG22CS0016), Ms. Apoorva K R (ENG22CS0022), Ms. Asha Suresh Kodad (ENG22CS0025) and Ms. Tejaswini (ENG22CS0035), final year CSE students under the guidance of Dr. Rajesh T M, Associate Professor, Department of CSE Presented a paper and Awarded the "BEST PAPER PRESENTER" Award for the paper titled "Overcoming illumination challenges in information retrieval for Multifacted background images" in the 3rd IEEE International Conferences on Network, Multimedia, and Information Technology (NMITCON-2025) in association with the IEEE Bangalore Section organized by Nitte Meenakshi Institute Of Technology, Bengaluru during 1st and 2nd August 2025.

Ms. Disha K Nanjunda (ENG21CS0120), Ms. Diya Sujil (ENG21CS0125), Mr. Harish Sasikumar (ENG21CS0147) and Mr. Harsh Jolania (ENG21CS0148) 2025 passed out CSE Students has published a paper entitled “FrameWeaver - A Virtual Storyboarding and Scene Generation Tool”, under the guidance of Prof. Shilpa Sudheendran, Assistant Professor, in the Grenze International Journal of Engineering and Technology, during August 2025, which was presented in the Scopus indexed the Hinweis Third International Conference on Advances in Information, Telecommunication and Computing (AITC) .



GRENZE

Grenze International Journal of Engineering and Technology, June Issue

FrameWeaver – A Virtual Storyboarding and Scene Generation Tool

Diya Sujil[1], Harsh Jolania[2], Disha K Nanjunda[3], Harish Sasikumar[4] and Shilpa Sudheendran[5]
[1-5]Department of Computer Science and Engineering, Dayananda Sagar University, Karnataka, India

***Abstract*—Storyboards are visual representations of a story sequence that break down the action into individual panels. However, they are a costly part of visual storytelling and typically need considerable artistic skill. Many smaller creators and teams may not have the skills or resources to generate quality storyboards, limiting their ability to effectively visualize and communicate creative concepts. The ones that do still mainly focus on more general use cases like images, despite the success that Generative AI has shown in automating visual content creation, but the logic surrounding the benefits of consuming data in multiple formats applies equally to sequential art like storyboarding, which has been largely unexplored by AI research. We investigate the feasibility of using diffusion-based text-to-image models to automate storyboard generation from texts. In addition to training and fine-tuning generative models on diverse domain-specific datasets, the project integrates advanced text processing and visual rendering tools opposite an interactive system designed for intuitive customization, removing time and skill barriers while preserving creative flexibility.**

***Index Terms*—Text-to-scene generation, Storyboards, Generative AI, GPT-4o, Sequential image generation, Text processing, Visual rendering, Audio-visual storytelling, Flask web application, Scene Generation.**

I. Introduction

Storyboarding is a crucial part of the visual storytelling process in most forms of media. Movies, video games, advertisements, and product designers use storyboards to conceptualize fundamental ideas during the early stages of the creation process. However, storyboarding is not everyone's game, and it is often taxing to procure the budget, expertise, or time to create professional standard panels. Until now, it has been a resource draining and artistic heavy task, and despite Generative AI making progress in reliably automating visual content generation, generative art in animation (e.g., storyboarding, video generation, etc.) is an underexplored area. Our proposed framework seeks to examine the capacity of Image Generation models for generating storyboards from textual descriptions in an automated manner.

We present our project, FrameWeaver, a prototype that employs tuned generative models with specialized data sets to process dynamic text input and applies visual rendering utilities within an interactive system to generate consistent scenes aligned in formatted storyboard panels. Our project aims to cut down time, skill and resource barriers while still allowing for user-focused creative flexibility. In this study, we intend to expand on the methods by which Artificial Intelligence can simplify the storyboarding process as a whole, thereby extending it to a wider audience.

Grenze ID: 01.GIJET.11.2.247_25
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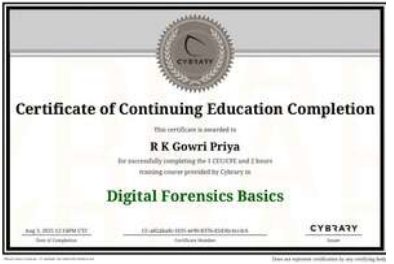
We are delighted to share that Mr. Saurav Pandey and Mr. Manav Rathod, students of the Department of CSE (Cybersecurity), School of Engineering, DSU, have successfully achieved the prestigious eJPT (Junior Penetration Tester) certification from INE Security on July 31, 2025 and August 1, 2025, respectively. The eJPT certification is a globally recognized credential that validates practical skills in penetration testing and cybersecurity fundamentals. This accomplishment reflects their strong technical expertise and commitment to advancing in the field of ethical hacking and information security, bringing pride to the department and the university.

Ms. R K Gowri Priya has successfully completed a continuing education course in Digital Forensics Basics, offered by Cybrary. This certification, awarded on August 3, 2025, recognizes her completion of a 2-hour training program and achievement of 1 CEU/CPE credit. The course focused on foundational principles of digital forensics—an essential discipline for identifying, preserving, analyzing, and presenting digital evidence in cybersecurity and cybercrime investigations.



Nishant Sreekumar, ENG23RA0039, 5th sem AI & Robotics has successfully completed a two-month internship as a Software Development Engineer (SDE) at Bluestock Fintech from June 1 to July 30, 2025. Nishant contributed to fintech software solutions, gaining hands-on experience in development, testing, and collaboration within a professional environment. The internship provided Nishant with valuable exposure to agile methodologies and industry best practices, strengthening his problem-solving and teamwork skills. The authenticity of this internship can be verified using the certificate ID BFT12226. This experience has equipped Nishant with practical skills essential for a career in software development and fintech.

SCHOOL OF ENGINEERING

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