ARTIFICIAL INTELIGENCE AND MACHINE LEARNING

AIML Monthly Newsletter: 01-12-25 to 30-12-25

1 Department Activities and Achievements

1.1 DashHack: Data Visualization Challenge 2025

The School of Engineering, Dayananda Sagar University, successfully organized DashHack – Data Visualization Challenge, an intellectually stimulating event conducted by the Department of Computer Science and Engineering (Artificial Intelligence & Machine Learning) on 1st December 2025.The event was held at Lecture Hall–2, Ground Floor, School of Engineering, from 9:00 a.m. to 1:00 p.m., and witnessed enthusiastic participation from students who showcased their analytical thinking, creativity, and technical proficiency in transforming complex datasets into meaningful visual insights.The event was conducted under the esteemed guidance of our Chief Patrons: Dr. D. Hemachandra Sagar, Chancellor, DSU,Dr. D. Premachandra Sagar, Pro-Chancellor, DSU and the support of our Patrons:Dr. B. Satyanarayana, Vice Chancellor, DSU,Dr. Prakash S, Pro-Vice Chancellor, DSU,Dr. E. N. Ganesh, Pro-Vice Chancellor, DSU,Dr. C. Puttamadappa, Registrar, DSU,Dr. Udaya Kumar Reddy, Dean – School of Engineering, DSU

The event was convened by **Dr. Jayavrinda Vrindavanam V**, Chairperson, CSE (AIML), whose vision and leadership played a pivotal role in the successful execution of the challenge.The program was efficiently coordinated by the Faculty Coordinators:**Prof. Trupthi Rao**, CSE (AIML),**Dr. Princy Randhawa**, CSE (AIML),**Prof. Bhuvana Mohini**, CSE (AIML).DashHack provided a competitive platform for students to apply data visualization tools and techniques to real-world datasets. Participants demonstrated innovation in dashboard design, clarity in data storytelling, and analytical depth, aligning with industry-oriented practices in data analytics and AI.

The event fostered critical thinking, enhanced data interpretation skills, and encouraged collaborative learning among students. DashHack stands as a successful initiative toward bridging academic learning with practical, industry-relevant skills in data visualization and analytics.

SCHOOL OF ENGINEERING

DAYANANDA SAGAR UNIVERSITY
Devarakaggalahalli, Harohalli, Kanakapura Road, Bengaluru South, Karnataka-562112
SCHOOL OF ENGINEERING

DashHack

DATA VISUALIZATION CHALLENGE

ORGANISED BY THE DEPARTMENT OF CSE- AIML

CHIEF PATRONS:

Dr D Hemachandra Sagar (Chancellor, DSU)
Dr D Premachandra Sagar (Pro-Chancellor, DSU)

PATRONS:

Dr. B. Satyanarayana, Vice Chancellor, DSU
Dr. Prakash S, Pro-Vice Chancellor, DSU
Dr. E N Ganesh, Pro-Vice Chancellor, DSU
Dr. C Puttamadappa, Registrar, DSU
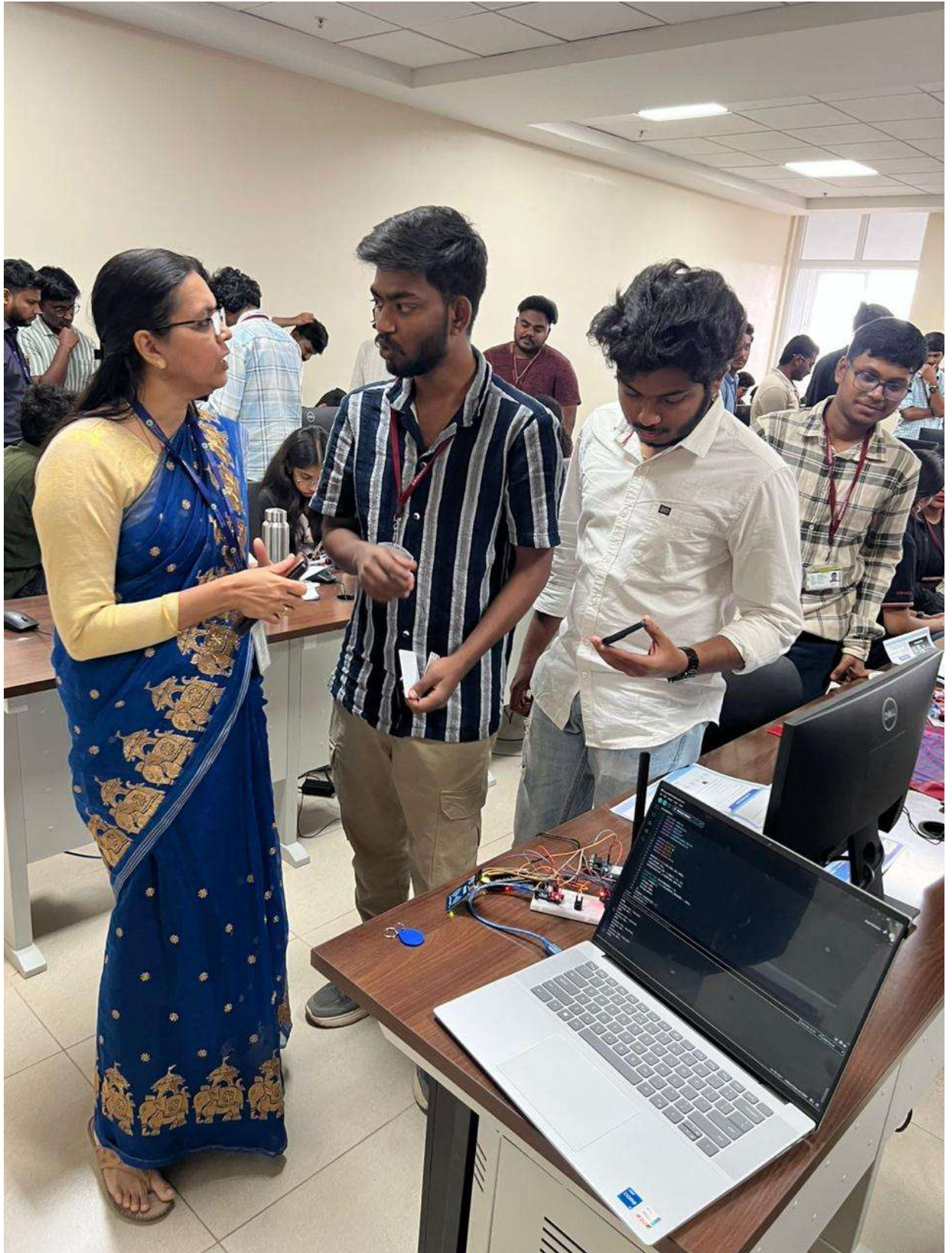Dr. Udaya Kumar Reddy, Dean-SOE, DSU

Date & Venue
1st of December, 2025
Lecture Hall 2,
Ground Floor, SOE
Time: 9:00am - 1:00pm

CONVENOR:

Dr. Jayavrinda Vrindavanam V
Chairperson, CSE- (AIML)

FACULTY CO-ORDINATORS:

Prof. Trupthi Rao, CSE-(AIML)
Dr. Princy Randhawa, CSE-(AIML)
Prof. Bhuvana Mohini, CSE-(AIML)

1.2 Talk on "Be an Opportunist – Transforming Challenges into Opportunities"

The Department of Computer Science and Engineering (Artificial Intelligence & Machine Learning), School of Engineering, Dayananda Sagar University, organized an inspiring guest talk titled "Be an Opportunist – Transforming Challenges into Opportunities" on 4th December 2025, from 8:45 a.m. to 9:45 a.m., at Lecture Hall–3.The session was delivered by **Mr. Arham Asif Syed**, a distinguished alumnus of the CSE (AIML) Department (Batch 2020–2024). He is a Master's graduate in Artificial Intelligence from the University of Technology Sydney (UTS), Australia, and the Founder of Sydar AI and Day Zero Labs, currently working as an AI Researcher at Marsden. The program was convened by **Dr. Jayavrinda Vrindavanam V**, Chairperson, CSE (AIML), DSU, whose leadership and vision enabled the smooth conduct of the event.The session was effectively coordinated by the Faculty Coordinators: **Dr. Vinutha N**, Associate Professor, CSE (AIML), DSU,**Prof. Pradeep Kumar K**, Assistant Professor, CSE (AIML), DSU. Institutional coordination was supported by: **Mr. Vijay Kumar S**, Director – Training & Corporate Relations, **Ms. Arathi Gudad**, Manager – Training & Placement.

During the talk, **Mr. Arham Asif Syed** shared his academic journey, industry experiences, and entrepreneurial insights, emphasizing the importance of resilience, adaptability, and proactive thinking in transforming challenges into meaningful opportunities. He motivated students to embrace failures as learning experiences and encouraged them to leverage emerging technologies such as Artificial Intelligence for innovation and societal impact. The session was highly engaging and motivational, leaving students inspired to pursue excellence in academics, research, and entrepreneurship. The event successfully strengthened

alumni–student interaction and reinforced the department's commitment to holistic student development and career readiness.

2 Student activities

2.1 Ms. Manyashree D, 5-B Section, student of the Department of Computer Science and Engineering (Artificial Intelligence and Machine Learning), School of Engineering, Dayananda Sagar University (DSU), successfully participated in the Online Quiz on "Viksit Bharat Young Leaders Dialogue (VBYLD) 2026", organized by the Ministry of Youth Affairs & Sports, Government of India. The quiz was conducted through the MYBharat platform on 11 October 2025. Her active participation reflects her awareness of national development initiatives and youth leadership programs aimed at building a Viksit Bharat. The achievement highlights her enthusiasm, commitment to civic engagement, and alignment with the vision of empowering young leaders to contribute meaningfully to nation-building.

CERTIFICATE OF PARTICIPATION

Ministry of Youth Affairs & Sports

Congratulations

MANYASHREE D

for successfully participating in the

Online Quiz on

Viksit Bharat Young Leaders Dialogue (VBYLD) 2026

conducted on **MYBharat**

We appreciate your enthusiasm and acknowledge your valuable participation.
Keep contributing towards a Viksit Bharat.

Participation Date: 11 October 2025

2.2 Ms. Manyashree D, 5-B Section, student of the Department of Computer Science and Engineering (Artificial Intelligence and Machine Learning), School of Engineering, Dayananda Sagar University (DSU), successfully participated in the Sardar 150 Young Leaders Program, an initiative supported by the Ministry of Youth Affairs & Sports, Government of India.Through her active involvement in the program, she contributed meaningfully toward the vision of Ek Bharat – Aatmanirbhar Bharat, demonstrating leadership qualities, national awareness, and a strong sense of social responsibility. Her participation reflects a commitment to youth-led nation-building initiatives and aligns with the university's emphasis on holistic student development and civic engagement.
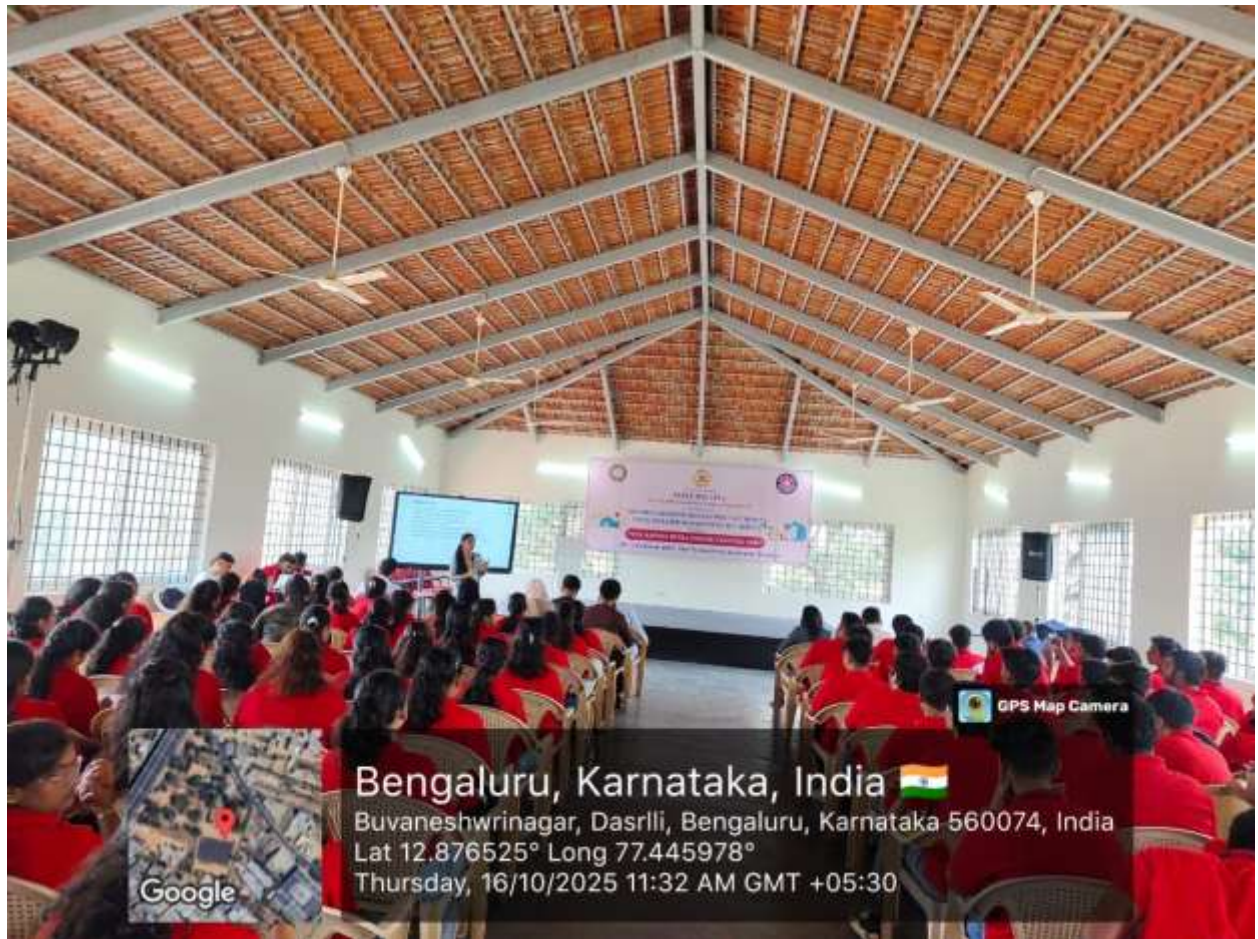

2.3 Dayananda Sagar University (DSU) proudly marks the active participation of its NSS volunteers in the YUVA AAPDA MITRA Training Camp 2025, conducted from 13th to 19th October 2025 at the Youth Training Centre, Kumbalgodu, Bengaluru. The camp was organized by the State Disaster

Management Authority (SDMA) under the aegis of the National Disaster Management Authority (NDMA), Ministry of Home Affairs, Government of India.Among the participants, third-year students from the Department of Artificial Intelligence & Machine Learning (AI & ML), School of Engineering (SOE),**Manyashree D (USN: ENG23AM0043),Nikhil K (USN: ENG23AM0162)** represented DSU with dedication and enthusiasm. They participated in this extraordinary camp along with a few other students from different schools of Dayananda Sagar University and students from various colleges across the state.The week-long residential training program focused on disaster preparedness, rescue operations, and emergency response through a blend of theoretical sessions and hands-on practical training. Participants received intensive instruction in fire safety, river rescue techniques, rope evacuation methods, CPR, first aid, and disaster response strategies, led by experienced professionals from NDMA, SDMA, and Yenepoya University.

Beyond technical skills, the camp emphasized leadership, teamwork, discipline, and social responsibility. Simulated disaster scenarios, group activities, skits, and cultural evenings provided participants with opportunities to apply their learning while fostering unity and creativity among students from diverse institutions. The program concluded with a valedictory ceremony, where participants were awarded certificates of completion in recognition of their active involvement and commitment to community service.

Bengaluru, Karnataka, India 🇮🇳
Buvaneshwrinagar, Dasrlli, Bengaluru, Karnataka 560074, India
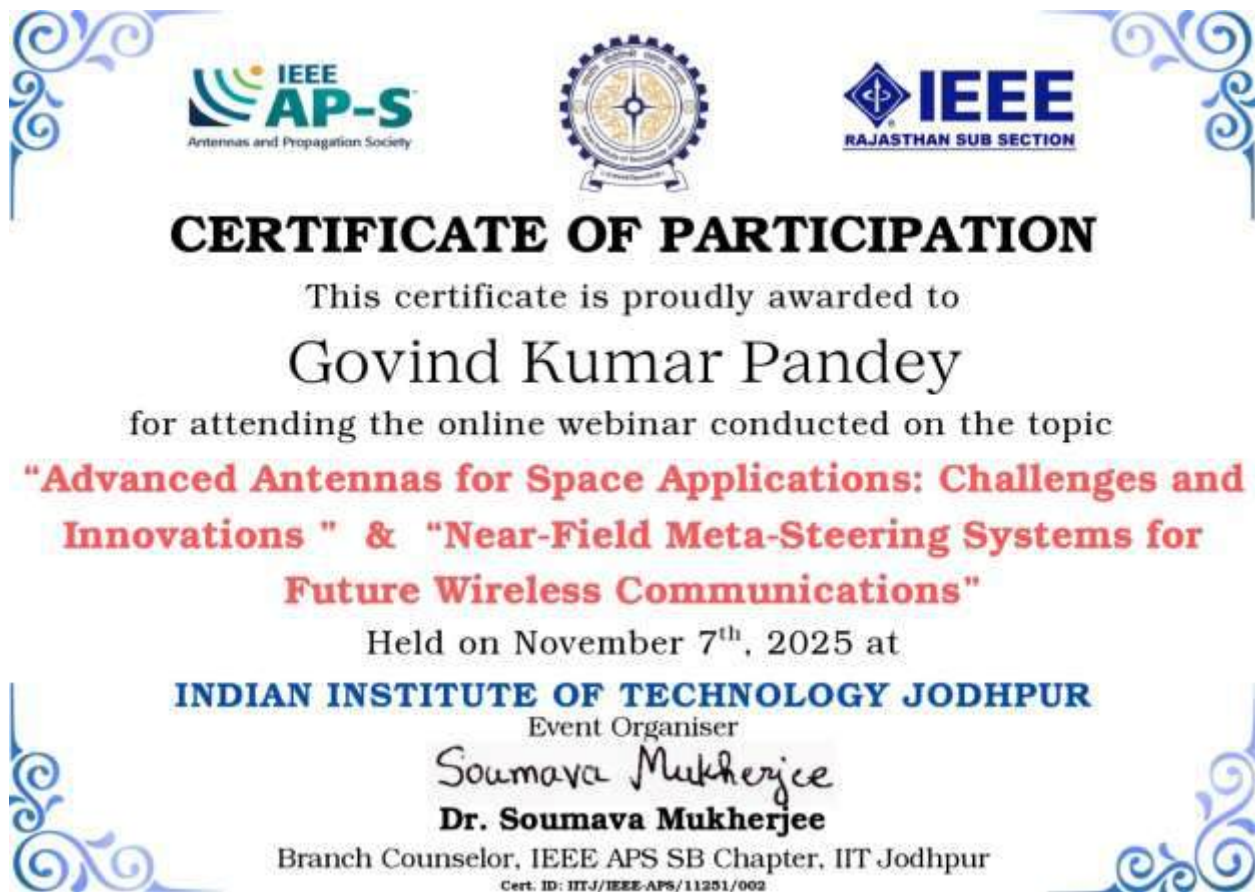Lat 12.876525° Long 77.445978°
Thursday, 16/10/2025 11:32 AM GMT +05:30

3 Faculty activities & Achievements

3.1 Mr. Govind Kumar Pandey participated in an online technical webinar organized by the IEEE Antennas and Propagation Society (AP-S) in association with the IEEE Rajasthan Sub Section and Indian Institute of Technology Jodhpur. The webinar, held on 7 November 2025, focused on the advanced topics "Advanced Antennas for Space Applications: Challenges and Innovations" and "Near-Field Meta-Steering Systems for Future Wireless Communications." The session provided in-depth insights into emerging antenna technologies, space communication challenges, and next-generation wireless systems, enriching participants' understanding of contemporary research trends in antennas and propagation. His participation reflects a keen interest in advanced communication

technologies and professional engagement with IEEE-supported technical learning initiatives.

CERTIFICATE OF PARTICIPATION

This certificate is proudly awarded to

Govind Kumar Pandey

for attending the online webinar conducted on the topic

"Advanced Antennas for Space Applications: Challenges and Innovations" & *"Near-Field Meta-Steering Systems for Future Wireless Communications"*

Held on November 7th, 2025 at

INDIAN INSTITUTE OF TECHNOLOGY JODHPUR

Event Organiser

Soumava Mukherjee

Dr. Soumava Mukherjee

Branch Counselor, IEEE APS SB Chapter, IIT Jodhpur

Cert. ID: IITJ/IEEE-APS/11251/002

3.2 Mr. Govind Kumar Pandey, faculty member of Dayananda Sagar University, Bengaluru (Karnataka), was recognized for his outstanding contribution as a Reviewer at the 5th International Conference on Advancement in Electronics & Communication Engineering (AECE-2025). The conference was technically co-sponsored by the IEEE UP Section and held on 21st and 22nd November 2025.The conference was jointly organized by the Department of Electronics and Communication Engineering (ECE) and the Department of Computer Science and Engineering (CSE), Raj Kumar Goel Institute of Technology (RKGIT), Ghaziabad, Uttar Pradesh. His role as a reviewer contributed significantly to maintaining the academic quality and technical rigor of the conference proceedings.This recognition highlights his active involvement in scholarly peer review, commitment to

academic excellence, and engagement with international research forums in the field of Electronics and Communication Engineering.

5ᵗʰ International Conference on
Advancement in Electronics & Communication Engineering
(AECE-2025)

CERTIFICATE

OF APPRECIATION

This is to certify that **MR. GOVIND KUMAR PANDEY**
of **DAYANANDA SAGAR UNIVERSITY, BANGALORE (KARNATAKA).**

has provided his/her outstanding contribution as **Reviewer**
in **5ᵗʰ International Conference on Advancement in Electronics & Communication Engineering (AECE-2025)** (Technically Co- Sponsored by IEEE UP Section) dated **21ˢᵗ & 22ⁿᵈ November, 2025** jointly organized by Department of ECE and CSE, Raj Kumar Goel Institute of Technology, Ghaziabad, UP, India.

Dr. R.K. Yadav
Convener, AECE-2025

Dr. B.C. Sharma
Director, RKGIT

3.3 Prof. Trupthi Rao, Assistant Professor, Department of Computer Science and Engineering (Artificial Intelligence & Machine Learning), School of Engineering, has been selected as a Tutor and Teaching Assistant for the prestigious 12-week NPTEL course titled "Foundations of Deep Learning: Concepts and Applications", offered by IIT Madras.The course is scheduled to be launched in January 2026 through the NPTEL online platform. As part of this significant academic responsibility, recording sessions were conducted at the Indian Institute of Science (IISc), Bengaluru, on 15th and 19th December 2025, involving expert-led content development and instructional support.This accomplishment underscores Prof. Trupthi Rao's strong academic expertise and sustained contributions in the domains of Deep Learning and Artificial Intelligence. Her selection for this national-level academic initiative brings notable recognition to the Department of CSE (AIML) and Dayananda Sagar University, reaffirming the institution's commitment to excellence in teaching, research, and advanced technical education.

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Video Studio (NPTEL)

3.4 Prof. Trupthi Rao, Assistant Professor, Department of Computer Science and Engineering (Artificial Intelligence and Machine Learning), has presented a research paper titled "Analyzing the Cancer Risk of Mortality: Using Fuzzy AHP And Fuzzy TOPSIS Method" at the AICTE sponsored International Conference on Agrivoltaics Innovations Focusing on Smart Farming with Renewable Energy, Machine Learning and Embedded Technologies (IC-AISMART 2025) organized by Department of Electronics and Communication Engineering at JSS Academy of Technical Education, Bengaluru (JSSATEB) from 11th Dec - 12th Dec 2025.

Agrivoltaics Innovations Focusing on Smart Farming with Renewable Energy, Machine Learning and Embedded Technologies
(IC-AISMART 2025)

CERTIFICATE

OF APPRECIATION

This is to certify that

Trupthi : Rao

has presented the research paper titled

"_Analyzing the Cancer Risk of Mortality : Using Fuzzy Ahp & Fuzzy Topsis Method_".

during the AICTE Sponsored International Conference **IC-AISMART-2025**,

organized by the Department of **Electronics and Communication Engineering**

in Association with **JSSATEB-STEP**, held on 11th to 12th December 2025

at **JSS Academy of Technical Education, Bengaluru.**

Dr. Mallikarjunaswamy S

General Chair
IC-AISMART-2025

Dr. Veerabhadrappa S.T

Organizing Chair
IC-AISMART-2025

Dr. Bhimasen Soragaon

Patron
IC-AISMART-2025

Sponsors

3.5 Prof. Trupthi Rao, Assistant Professor, Department of Computer Science and Engineering (Artificial Intelligence and Machine Learning), has presented a research paper titled "Evaluating Factors Influencing Electric Vehicle Adoption: A Fuzzy AHP Process" at the AICTE sponsored International Conference on Agrivoltaics Innovations Focusing on Smart Farming with Renewable Energy, Machine Learning and Embedded Technologies (IC-AISMART 2025) organized by Department of Electronics and Communication Engineering at JSS Academy of Technical Education, Bengaluru (JSSATEB) from 11th Dec - 12th Dec 2025.

CERTIFICATE

OF APPRECIATION

This is to certify that

TRUPTHI. RAO.

has presented the research paper titled

"Evaluating Factors Influencing Electric Vehicle Adoption : A Fuzzy AHP Process"

during the **AICTE Sponsored** International Conference **IC-AISMART-2025**,
organized by the Department of **Electronics and Communication Engineering**
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Dr. Bhimasen Soragaon
Patron
IC-AISMART-2025

Sponsors

3.6 Prof. Trupthi Rao, Assistant Professor, Department of Computer Science and Engineering (Artificial Intelligence and Machine Learning), has presented a research paper titled "Stock market volatility analysis using fuzzy logic: Fuzzy AHP and TOPSIS" at the AICTE sponsored International Conference on Agrivoltaics Innovations Focusing on Smart Farming with Renewable Energy, Machine Learning and Embedded Technologies (IC-AISMART 2025) organized by Department of Electronics and Communication Engineering at JSS Academy of Technical Education, Bengaluru (JSSATEB) from 11th Dec - 12th Dec 2025.

AICTE Sponsored International Conference

On

Agrivoltaics Innovations Focusing on Smart Farming with Renewable Energy, Machine Learning and Embedded Technologies (IC-AISMART 2025)

CERTIFICATE

OF APPRECIATION

This is to certify that

Mrs. Trupthi Rao

has presented the research paper titled

" *Stock market volatility analysis using fuzzy Logic:* "
Fuzzy AHPV & TOPSIS

during the AICTE Sponsored International Conference IC-AISMART-2025, organized by the Department of Electronics and Communication Engineering in Association with JSSATEB-STEP, held on 11th to 12th December 2025 at JSS Academy of Technical Education, Bengaluru.

Dr. Mallikarjunaswamy S
General Chair
IC-AISMART-2025

Dr. Bhimasen Soragaon
Patron
IC-AISMART-2025

Dr. Veerabhadrappa S.T
Organizing Chair
IC-AISMART-2025

Sponsors

3.7 Dr. Sumit Kr. Yadav, Assistant Professor, Department of Computer Science and Engineering (Artificial Intelligence and Machine Learning), has presented a research paper titled "IntelliCam: AI Smart Surveillance Camera" at the 2025 IEEE 9th International Conference on Computational Systems and Information Technology for Sustainable Solutions (CSITSS-2025) held from 20-22 November 2025 Organized by RV College of Engineering, Bengaluru, India.

3.8 Prof. Upasana Shil, Assistant Professor, Department of Computer Science and Engineering (Artificial Intelligence and Machine Learning), contributed as the Faculty Coordinator for the J-Hack: Think in Objects, Build in Java, organized by the Department of Computer Science and Engineering (AI & ML), School of Engineering, Dayananda Sagar University. She actively supported the planning and smooth execution of the event, providing academic guidance and coordination to ensure an effective learning

experience for the participants. Her contribution helped students gain practical exposure to object-oriented programming concepts and real-world problem-solving using Java, thereby playing a significant role in the success of the hackathon.

3.9 Dr. Govind Kumar Pandey, Assistant Professor, Department of Computer Science and Engineering (Artificial Intelligence & Machine Learning), has successfully completed his Doctor of Philosophy (PhD) on 22 December 2025 from SRM Institute of Science and Technology (SRMIST), Kattankulathur, Chennai. His doctoral research, titled "Graphene-Based THz MIMO Antennas for Wireless Communication," focuses on the design and performance validation of advanced terahertz MIMO antenna systems for indoor wireless communication applications. His work contributes to the development of next-generation high-speed wireless technologies and strengthens the research profile of the department.

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY UNDER SECTION 3 OF THE UGC ACT, 1956)

PROVISIONAL CERTIFICATE

FACULTY OF ENGINEERING AND TECHNOLOGY

FOLIO NO. : **P250647**

ABC ID : 301270448919

This is to certify that the following candidate has qualified for the award of Ph.D. as detailed below

Register Number	:	RA2113004011029
Name	:	GOVIND KUMAR PANDEY [17-AUG-1993]
Degree / Diploma	:	DOCTOR OF PHILOSOPHY [Ph.D.]
Branch / Specialisation	:	ELECTRONICS AND COMMUNICATION ENGINEERING
Month and Year of Passing	:	DECEMBER 2025
Title of the Thesis	:	GRAPHENE-BASED TERAHERTZ ANTENNAS FOR WIRELESS COMMUNICATIONS [ELECTRONICS AND COMMUNICATION ENGINEERING].

Signature of the Candidate :

Date : 24-Dec-2025

SRM Nagar, Kattankulathur - 603 203
Chengalpattu (Dt.), Tamil Nadu, India.

This certificate bears no correction(s)

CONTROLLER OF EXAMINATIONS