JULY 2025

CYBER GAZETTE

NEWS LETTER

JULY 2025

DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING
(CYBER SECURITY)

School of Engineering

DAYANANDA SAGAR UNIVERSITY

MAIN CAMPUS,
HAROHALLI, KANAKAPURA - 562112

RESEARCH ACCOMPLISHMENTS

Exploiting Machine Learning for Vulnerable Road Users' Protection of Moving Objects on Trajectory Motion: Dealing with Action Transformation Using AI Agent-Based Technologies

Dr. DilipKumar Jang Bahadur Saini has published his research paper titled "Exploiting Machine Learning for Vulnerable Road Users' Protection of Moving Objects on Trajectory Motion: Dealing with Action Transformation Using AI Agent-Based Technologies" in the Arabian Journal for Science and Engineering, Springer Nature (SCIE Q1 publication)
Link: https://link.springer.com/article/10.1007/s13369-025-10346-z.

RESEARCH ACCOMPLISHMENTS

Novel Approach for Identification of Ayurveda Plant Using New Age Technology

Dr. DilipKumar Jang Bahadur Saini has published his research paper titled " Novel Approach for Identification of Ayurveda Plant Using New Age Technology" in the Proceedings of Fourth International Conference on Computing and Communication Networks ICCCN 2024, Volume 6
Link: Novel Approach for Identification of Ayurveda Plant Using New Age Technology | SpringerLink

RESEARCH ACCOMPLISHMENTS

SCAM-QUAVs: Side Channel Attacks Mitigation and Countermeasures of Quantum-Safe UAVs

Prof.Naveen Kulkarni has successfully presented a research paper titled "SCAM-QUAVs: Side Channel Attacks Mitigation and Countermeasures of Quantum-Safe UAVs"at the IEEE International Conference on Electronics, Computing and Communication Technologies (IEEE CONECCT 2025), held from July 10–13, 2025 at Sterlings Mac Hotel, Bengaluru.

The conference was organized by the IEEE Bangalore Section, and the paper presentation contributes to emerging research in quantum-safe cybersecurity for unmanned aerial vehicles (UAVs).

CONECCT IEEE

CERTIFICATE

OF PAPER PRESENTATION

This is to certify

Naveen Kulkarni

has successfully presented the paper titled

SCAM-QUAVs: Side Channel Attacks Mitigation and Countermeasures of Quantum-Safe UAVs

at the IEEE International Conference on Electronics, Computing and Communication Technologies (IEEE CONECCT), scheduled from July 10-13, 2025, and organized by the IEEE Bangalore Section at Sterlings Mac Hotel, Bengaluru.

RESEARCH ACCOMPLISHMENTS

FBCA-IoMT: A Federated Binary Contrastive Autoencoder Framework for Anomaly Detection

Prof.Archita Bhattacharyya has digitally presented a research paper titled "FBCA-IoMT: A Federated Binary Contrastive Autoencoder Framework for Anomaly Detection"at the 10th International Conference on ICT for Sustainable Development (ICT4SD 2025), held virtually from 17–19 July 2025, based in Goa, India.

The presentation was part of a global academic platform focusing on the role of Information and Communication Technologies in achieving sustainable development goals. The event was supported by Springer Nature and several national and international industry partners.

RESEARCH ACCOMPLISHMENTS

Personalized Federated Learning for Privacy-Preserving and Scalable IoT-Driven Smart Healthcare

Dr. Dilip Kumar Jang Bahadur Saini has published a conference paper titled "Personalized Federated Learning for Privacy-Preserving and Scalable IoT-Driven Smart Healthcare" at the 3rd International Conference on Inventive Computing and Informatics (ICICI),2025 in Bangalore.
Date of Conference: 04-06 June 2025
DOI: 10.1109/ICICI65870.2025.11069877

Personalized Federated Learning for Privacy-Preserving and Scalable IoT-Driven Smart Healthcare

RESEARCH ACCOMPLISHMENTS

REVIEWER for the 11th International Conference on Electronics, Computing and Communication Technologies, IEEE CONECCT (July 10-13,2025) organized by IEEE Bangalore section

Dr.Dilip Kumar Jung Bahadur Saini acted as REVIEWER for the 11th International Conference on Electronics, Computing and Communication Technologies, IEEE CONECCT (July 10-13,2025) organized by IEEE Bangalore section at Sterling's Mac Hotel, Bangalore.

FACULTY ACCOMPLISHMENTS

Session chair for the International Conference on Emerging Technologies in Computing and Communication (ETCC)

Dr. Durbadal Chattaraj has contributed as a session chair for the International Conference on Emerging Technologies in Computing and Communication (ETCC) held on June 26th – 27th 2025 organized by PES University EC Campus, Bangalore.

PES UNIVERSITY

IEEE BANGALORE SECTION

IEEE ComSoc

ETCC 2025

CERTIFICATE OF APPRECIATION

This Certificate is presented to

Dr. Durbadal Chattaraj

from

Dayananda Sagar University

in recognition of the valuable contribution as a **Session Chair** for the **International Conference on Emerging Technologies in Computing and Communication (ETCC)** held on **June 26th-27th 2025**, Organized by PES University EC Campus, Bangalore.

Dr. Arti Arya	Dr. M Farida Begam	Prof Deepa S	Dr. Ramdesh B J
Technical Program Chair	Organizing Chair	Steering Chair	General Chair

FACULTY ACCOMPLISHMENTS

5-Days Faculty development program on “Cyber Security” organized by the department of Computer Studies, Haribhai V.Desai College of Arts and Commerce, Pune, Maharashtra in association with Pencil Bitz

Dr.Devi Priya V S has actively participated in the 5-Days Faculty development program on “Cyber Security” organized by the department of Computer Studies, Haribhai V.Desai College of Arts and Commerce, Pune, Maharashtra in association with Pencil Bitz, from 14th July to 18th July 2025.

Haribhai V. Desai college of Arts, Science and Commerce
595, Behind Shanivar Wada, Budhwar Peth, Pune, Maharashtra 411002. (Autonomous)
Pune, Maharashtra

CERTIFICATE
OF PARTICIPATION
This certificate is proudly presented to
Dr DEVI PRIYA V S
Department of CS (Cyber Security)
Dayananda Sagar University

has actively participated in the 5-Day Faculty Development Program on "Cybersecurity" organized by the Department of Computer Studies, Haribhai V. Desai College of Arts, Science and Commerce, Pune, Maharashtra, in association with Pencil Bitz, from 14th to 18th July 2025.

Asst. Prof. Deepali M. Dalvi — Coordinator
Asst. Prof. Jyoti Kanse — Head of Department
Dr. Hemant Bhise — Vice-Principal
Dr Rajendra Gurao — Principal
Sangeetha Subramanian — Founder & CEO Pencilbitz

STUDENT ACCOMPLISHMENTS

Pratiksha Guggari (ECE), Rahul (CSE), and Sachin Pujappa Baluragi- ENG22CY0020(Cybersecurity) — has secured the 2nd Runner-Up position at the prestigious Agentic Ethereum Hackathon India, held at Scaler School of Technology on 12–13 July 2025.

Their innovative project addressed the theme "DeFi + Financial Inclusion Agents", showcasing their technical excellence and creativity in blockchain-based financial solutions.
Their remarkable performance earned them a $1000 cash prize and a place among the top minds in Ethereum development!

STUDENT ACCOMPLISHMENTS

Prajwal N Halvi(ENG22CY0037) has successfully completed the UI/UX Course offered by Tutedude on 15th July 2025. Course covered essential aspects of user interface and user experience design.
Certificate ID: TD-PRAJ-UI-1609

STUDENT ACCOMPLISHMENTS

Prajwal N Halvi(ENG22CY0037) has successfully completed the Figma Bootcamp organized by LetsUpgrade EdTech Pvt. Ltd. from 17th July 2025 to 19th July 2025. The 3-day intensive bootcamp focused on practical skills and design fundamentals using Figma, a leading interface design tool.

The bootcamp was conducted in collaboration with:

- **NSDC – National Skill Development Corporation**
- **ITM Edutech Training Pvt. Ltd.**
- **GDG MAD**

Date of Issue: 19 July 2025

Certificate No.: LUEFGJUL125180

STUDENT ACCOMPLISHMENTS

Mr.Adeesh Lokesh Poojary(USN: ENG22CY0025) has successfully completed one-month internship at the MAHE-ISAC Centre of Excellence for Cybersecurity, Manipal Academy of Higher Education, from 25th June to 25th July 2025.

Under the mentorship of Dr. Srikanth Prabhu, Professor at the School of Computer Engineering, he made significant contributions in the domain of resume classification and extraction—a vital area in cybersecurity automation and data handling.

MANIPAL
ACADEMY of HIGHER EDUCATION

ISAC

Internship Certificate

Date: 22-07-2025

TO WHOM IT MAY CONCERN

This is to certify that Mr./Ms. **Adeesh Lokesh Poojary**, USN No: **ENG22CY0025** from **Dayananda Sagar University** has successfully completed 1 month internship as student Intern at **MAHE-ISAC Centre of Excellence for Cybersecurity**, Manipal Academy of Higher Education, Manipal from 25/06/2025 to 25/07/2025, under the mentorship of **Dr. Srikanth Prabhu** (SoCE). During his internship, he made significant contributions specifically in the areas of Resume classification and extraction.

Congratulations on his achievements, and we wish him continued success in his journey within the cybersecurity domain.

Dr. Srikanth Prabhu
Professor, School of Computer Engineering
Coordinator MAHE-ISAC CoE for Cybersecurity

Coordinator
MAHE-ISAC CoE for Cybersecurity
Manipal Institute of Technology
Manipal - 576104
MAHE-ISAC Centre of Excellence for Cybersecurity
Manipal Institute of Technology
MAHE, Manipal-576104

Cdr. (Dr.) Anil Rana
Director
Manipal Institute of Technology

DIRECTOR
MANIPAL INSTITUTE OF TECHNOLOGY
MANIPAL - 576 104

MAHE ISAC CoE for cybersecurity coe_cybersecurity coe.cybersecurity@manipal.edu

STUDENT ACCOMPLISHMENTS

Mr.Manish Jaju(ENG23CY0105)has successfully achieved student level credential for completing the course titled “Introduction to Cybersecurity” and “Networking Basics” by CISCO Networking academy on July 9,2025 and July 19,2025.

cisco Networking Academy

Certificate of Course Completion

Manish Jaju

has successfully achieved student level credential for completing the Networking Basics course.

The student was able to proficiently:

- Explain important concepts in network communication, network types, components, and connections
- Explain the importance of standards and protocols in network communications
- Explain how communication occurs on Ethernet networks
- Explain the features of an IP address and IPv4 addresses are used in network communication
- Explain features of IPv6 addressing
- Explain how routers connect networks together
- Use various tools to test and troubleshoot network connectivity
- Configure an integrated wireless router and wireless client to connect securely to the internet

Lynn Bloomer

Director, Cisco Networking Academy

STUDENT ACCOMPLISHMENTS

Mr.Manish Jaju(ENG23CY0105) has successfully completed the online non-credit course “Connect and Protect: Networks and Network Security”, authorized by Google and offered through Coursera. The course was completed on July 24, 2025, highlights his commitment to strengthening expertise in network infrastructure and cybersecurity principles.

STUDENT ACCOMPLISHMENTS

Mr.Prateep P(ENG23CY0027) has successfully earned the prestigious (ISC)² Certified in Cybersecurity (CC) credential. This globally recognized certification, issued on 13th July 2025, validates his foundational knowledge and commitment to cybersecurity principles and best practices.

STUDENT ACCOMPLISHMENTS

Mr.Manish Jaju(ENG23CY0105) has successfully completed the online non-credit course “Play It Safe: Manage Security Risks”, authorized by Google and delivered through Coursera, on July 26, 2025.
This course strengthens his understanding of security risk management, data protection strategies, and cybersecurity best practices. Verified by Coursera, the certification affirms his proactive approach to professional development in the field of cybersecurity.

STUDENT ACCOMPLISHMENTS

Mr.Kishan.G.A(ENG23CY0020) has received certificate of completion for the course titled "Cybersecurity Analyst Job Simulation" by Forage(Inspiring and empowering future professionals" on July 28,2025. Over the period of July 2025, Kishan G A has completed practical tasks in: Identity and access management (IAM) fundamentals, IAM strategy assessment, Crafting custom IAM solutions, Platform integration.