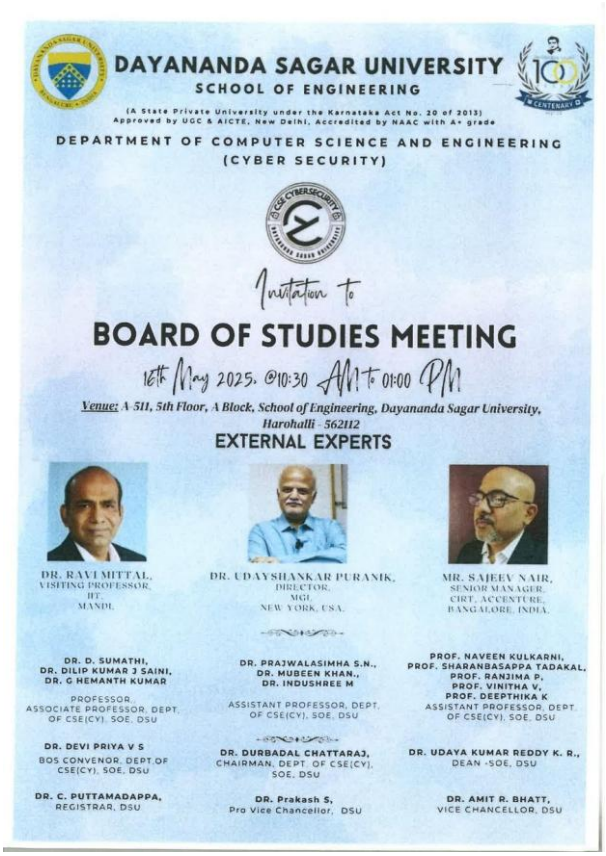
DAYANANDA SAGAR UNIVERSITY

SCHOOL OF ENGINEERING

Department of Computer Science and Engineering (Cyber Security)

3rd Board of Studies Meeting 2025

16 May 2025 · 10:30 AM – 1:30 PM · Harohalli Campus, Ramanagara



Invitation to the Board of Studies Meeting

Department of Computer Science and Engineering (Cyber Security)

1. Overview

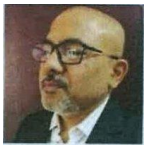
The 3rd Board of Studies (BoS) meeting of the Department of CSE (Cyber Security), School of Engineering, Dayananda Sagar University, was held offline on 16 May 2025. Dr. Ravimittal S and Dr. D. Sumathi joined online. Dr. Prabhakar M (CSE) attended as senior professor from the CS cluster.

Dr. Durbadal Chattaraj, Chairperson, presented the department's intake, student strength, faculty, result analysis, Vision, Mission, POs, PEOs and PSOs, along with the Choice Based Credit System and the three-year schemes. The board accepted the members' remarks and suggestions. The Minutes of Meeting go to the Registrar's Office and the Academic Council.

8	3	9	3
Board members	External experts	Agenda items	Batch schemes reviewed

2. Board of Studies

Re-constituted on 18 February 2025 for a three-year term (Ref: DSU/Reg/2024-25/504).

Photo	Name	Designation	Affiliation
	**Dr. Durbadal Chattaraj**	Chairperson	Associate Professor & Head, CSE (Cyber Security), SoE, DSU
	**Dr. Ravimittal S**	External Member	Former Professor, IIT Madras; Visiting Professor, IIT Mandi & IIT Goa
	**Dr. Udayashankar Puranik**	External Member	Director, AI & Cyber Security, MGI, USA; Writer
	**Mr. Sajeev Nair**	External Member	Cyber Incident Response Team (CIRT), Accenture, Bangalore
	**Dr. D. Sumathi**	Senior Member	Professor, CSE (Cyber Security), SoE, DSU
	**Prof. Naveen Kulkarni**	Member	Assistant Professor, CSE (Cyber Security), SoE, DSU

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Photo	Name	Designation	Affiliation
	**Dr. Devi Priya V S**	BoS Convenor	Assistant Professor, CSE (Cyber Security), SoE, DSU

Guests listed in the invitation: Dr. U. K. Reddy (Dean, SoE), Dr. Prakash S (Pro Vice Chancellor) and Dr. Amit R. Bhatt (Vice Chancellor).

Student Alumni Member

Ms. Krishna Priya Lokanatha	Alumni, CSE (Cyber Security), SoE, DSU

3. Meeting Agenda

1. Opening remarks and department presentation (strength, faculty, results, Vision, Mission, POs, PEOs, PSOs)
2. Stakeholder feedback: student, parent, faculty, industry and alumni
3. 2022 scheme: 7th & 8th semester (CBCS)
4. 2023 scheme: 5th–8th semester (CBCS)
5. 2024 scheme: 3rd–8th semester (CBCS)
6. Syllabi: 7th/8th (2022–26), 5th/6th (2023–27), 3rd/4th (2024–28)
7. Comparison of 2022–26, 2023–27 and 2024–28 schemes
8. Overall suggestions and directions
9. Concluding remarks

4. Key Suggestions and Outcomes

- **Vulnerability Analysis & Penetration Testing:** Rename to Vulnerability Assessment and Management (VAM), or keep the title with 2.5–3 modules on vulnerability analysis and the rest on penetration testing; add case studies. Workshops/SDPs for batches without the course.
- **Endpoint Security:** Focus on Windows and Linux platforms; drop embedded topics already covered elsewhere; add Endpoint Detection and Response (EDR).
- **IoT and IIoT Security:** Complete revision to cover both IoT and Industrial IoT security. Proposal to merge Embedded Systems and IoT was opposed; they stay separate.
- **Theory of Computation:** Integrate compiler concepts: 3 modules on Automata Theory and 2 on Compiler Design.
- **Mobility Security:** Upgrade from an industry perspective around four pillars: predicting, managing, preventing and investigating mobile threats.
- **Incident Response & Threat Intelligence:** Fold into Security Operations and Cyber Defence (replacing Module 3), or keep standalone with Threat Intelligence as a separate elective.

- **Image Processing & Steganography:** If retained, rename (e.g. Image Processing for Cyber Security) and move steganography content to Cryptography and Network Security.
- **Core placement & prerequisites:** Retain Transforms and Numerical Techniques; move Fundamentals of Cyber Security from Sem 3 to Sem 4; AI for Cyber Security to Sem 5 (or an "AI Essentials" elective) with Probability & Statistics as prerequisite.
- **Capstone & Ethical Hacking Lab:** Capstone topics should align with cutting-edge, industry-relevant security trends. SISA Information Security Pvt. Ltd. will support establishing the Ethical Hacking Lab.

5. Action Taken on the 2nd BoS (9 August 2024)

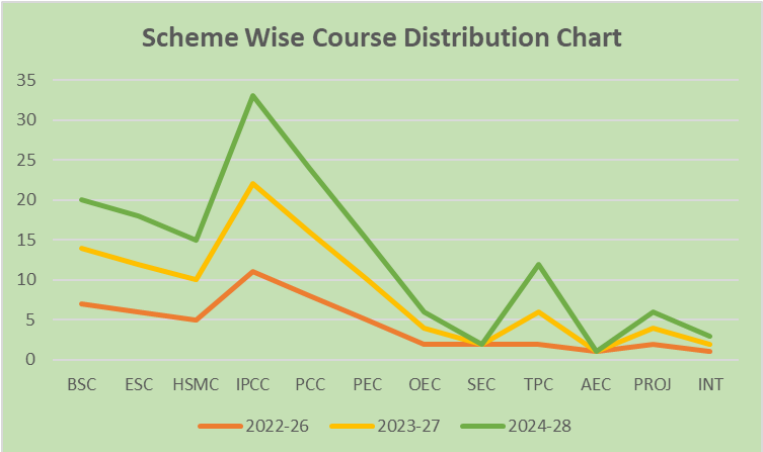
- **Cyber Range (CoE) at DSU Main Campus:** Proposal under review by I-BoS members and the Dean, SoE.
- **Domain-specific faculty:** Five new faculty with relevant expertise recruited.
- **Cyber security books in Central Library:** Requisition submitted; procurement being monitored.
- **Course repositioning:** Risk Management, Blockchain Technology and Project Management moved to suggested semesters.
- **Syllabus restructuring:** Secure Coding, IoT/IIoT, Big Data Security, Risk Management, Cyber Forensics and Cyber Law updated for 2024–28.

6. Scheme Comparison

Total credits per semester across schemes, as presented in the proceedings.

Scheme	I & II	III	IV	V	VI	VII	VIII	Total
2021–25	44	23	25	24	22	12	12	**162**
2022–26	42	21	21	25	21	16	14	**160**
2023–27	40	21	22	23	21	18	15	**160**
2024–28	40	42	21	21	20	18	17	**160**

Note: the 2024–28 Semester III value of 42 is reproduced from the proceedings and may be a typo for 21.

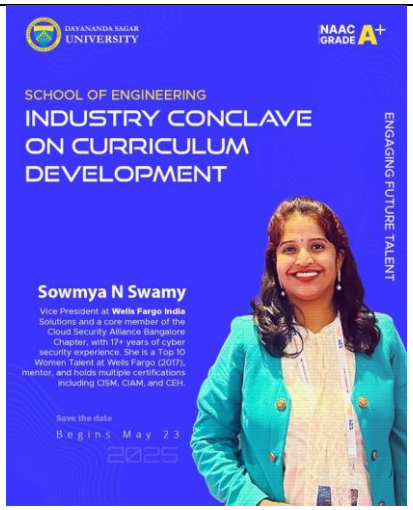


Department of Computer Science and Engineering (Cyber Security)

Scheme-wise course distribution by category

7. Industry Conclave on Curriculum Development

Held on 23 May 2025 under the theme "Engineering Future Talent". The conclave gathered industry feedback on the 2024 scheme (semesters 3–8), the 3rd and 4th semester syllabi, and alignment with the department's Vision, Mission, POs, PEOs and PSOs.



Sowmya N Swamy, Vice President, Wells Fargo India



Mr. Nayan Naidu, industry speaker

8. The Department

Vision

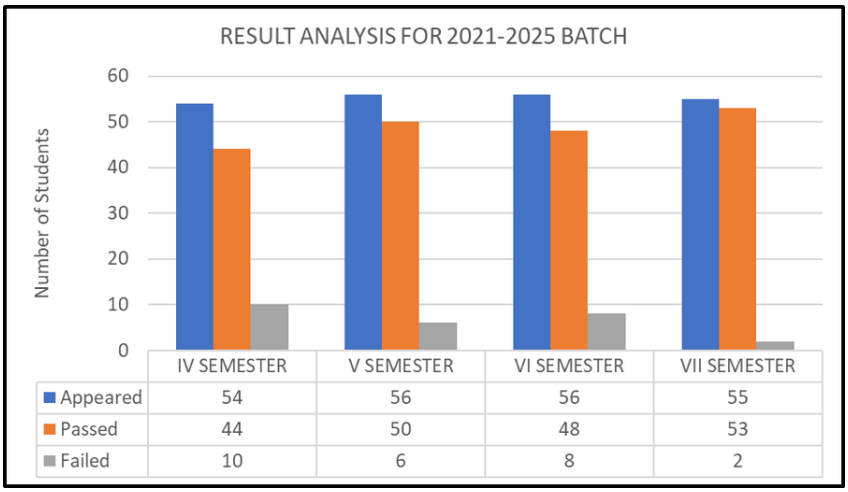
Ignite and nurture young learners to provide a sustainable, humane, and research-centric educational platform in the domain of cybersecurity for building a robust, resilient, and attack-free digital universe.

Mission

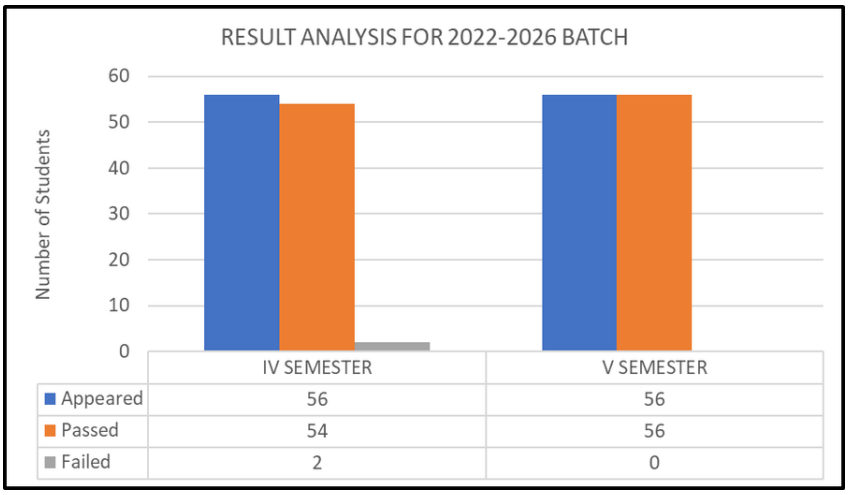
- Provide committed and competent faculty and educational infrastructure for a theoretical and practical foundation in cybersecurity.
- Establish MoUs and Centres of Excellence with the IT sector to produce industry-ready graduates with a research instinct.
- Build a collaborative, project-oriented learning environment that preserves human and ethical values.
- Encourage young minds to educate society and restore human safety and security in the digital world.

Result Analysis

Department of Computer Science and Engineering (Cyber Security)



2021–25 batch



2022–26 batch

Faculty

Photo	Name	Designation	Experience
	**Dr. Durbadal Chattaraj**	Associate Professor & Chairman	8.5 yrs
	**Dr. Sumathi D**	Professor	23 yrs
	**Dr. Dilip Kumar Saini**	Associate Professor	23 yrs

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Photo	Name	Designation	Experience
	**Dr. G. Hemanth Kumar**	Associate Professor	13 yrs
	**Dr. Mubeen Ahmed Khan**	Assistant Professor	18 yrs
	**Dr. Devi Priya V S**	Assistant Professor	14 yrs
	**Dr. Prajwalasimha S N**	Assistant Professor	11 yrs
	**Dr. Indushree M**	Assistant Professor	5 yrs
	**Mr. Naveen Kulkarni**	Assistant Professor	16 yrs
	**Ms. Vinitha V**	Assistant Professor	15 yrs
	**Mr. Sharanabasappa Tadkal**	Assistant Professor	9 yrs
	**Ms. Ranjima P**	Assistant Professor	6 yrs
	**Ms. Deepthika Karuppusamy**	Assistant Professor	4 yrs