CSE – NEURAL NEWS

DEPARTMENT NEWSLETTER

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, SCE, DEHRADUN

JAN–2025 TO JUNE–2025

DIRECTOR'S MESSAGE

DEAR STUDENTS,

The world of technology is transforming at an unprecedented pace, and as future engineers, you hold the power to drive this change. Excellence comes through dedication, continuous learning, and innovation. Focus on developing problem-solving skills, industry-relevant expertise, and a mindset of lifelong learning. Utilize the opportunities provided by the institution to enhance your knowledge and practical skills. Stay determined, work hard, and strive to make a meaningful impact in the field of Computer Science.

DR. PRAHLAD SINGH

DEAN OF ACADEMICS

DEAR STUDENTS,

Academic excellence is the foundation of a successful career. As you progress in your journey, focus on mastering core concepts, developing analytical skills, and embracing a culture of innovation. Your dedication to learning and perseverance in facing challenges will define your success. Make the most of the academic resources, faculty guidance, and industry opportunities available to you. Strive for knowledge, discipline, and excellence, and you will shape a bright future.

DR. KUNTAL BARUA

HOD /COD'S MESSAGE

DEAR READERS,

I am pleased to share the latest edition of our Computer Science Department newsletter. This platform highlights our students' and faculty's achievements, innovations, and collaborative efforts.

Our department continues to foster excellence through quality education, hands-on learning, and a strong focus on research and industry relevance. I appreciate the dedication of our academic community and the editorial team for bringing this edition together.

Let's continue to inspire, innovate, and grow together.

MR. SARTAJ KHAN

EDITORIAL BOARD MESSAGE

DEAR READERS,

Along with all of the other routine activities and accomplishments that are detailed in its columns, this edition of the house journal provides you with thorough coverage of all of the significant events that have taken place inside the department. Through a combination of rigorous academic study, the thrill of discovery, and a variety of intellectual stimulation, the Department is dedicated to providing its students with an education that is among the best in the world. Within the scope of this issue, a summary of all the activities scheduled for January 2025 to June, 2025 issue is presented. The active participation of students in activities related to other than academics, such as innovation activities that encourage the student to explore opportunities and understand entrepreneurial skills, including alumni entrepreneur interactions, is one of the highlights. Other highlights include the coverage of the staff and faculty in activities such as Faculty Development Programs, Workshops, Guest lecturers, Hackathons, and ideations, among other things.

DR. VIJAYLAKSHMI SAJWAN

EDITORIAL BOARD STUDENT MEMBER

GAGAN KAUSHIK

ARSH MALL

ADITI

VISION AND MISSION OF THE DEPARTMENT

• VISION •

To cultivate **engineers** with a worldwide employability, a strong entrepreneurial aptitude, a dedication to **research**, and a sense of **social responsibility**.

• MISSION •

M1: To create top IT engineers with industry-aligned education.
M2: To boost the technical skills of students as well as faculty.
M3: To inspire students to pursue higher education and launch entrepreneurial ventures.
M4: Provide exposure of latest tools and technologies in the area of Engineering and technology.

• ABOUT THE DEPARTMENT •

The Computer Science & Engineering Department was established in the year 2008 and has graduated many qualified engineers, working at very well-known organizations in India and abroad. The Department currently offers Bachelors Degree in Computer Engineering, Bachelor's Degree in Artificial Intelligence and Machine Learning (AIML) and Data Science. In addition to core courses, electives are provided in various Computer Science cutting-edge subjects that generate opportunities for absorption in frontier fields of Computing. Students are involved in diverse technical events and cognitive activities to explore their creativity as well as problem-solving skills. This accredited course fulfills the growing needs of the industry and would equip students with an in-depth understanding of the principles of Computer Science. The Computer Science and Engineering department at the Shivalik College possesses a unique center- the Shivalik Computation and Automation Society (SCAS). Also, it has collaboration with ICT Academy which provides real-life practical learning methodologies. A well-designed system to assess every student's performance. Value Added courses, Case Studies & Projects, Seminars, Student Development Programs, and Induction Programs delivered on cutting-edge technology impart hands-on experience and skill enhancement in students. Students are advised and assisted in their project work and Industry-relevant course material is provided.

FACULTIES ACHIEVEMENTS

Dr. Vijaylakshmi Sajwan received the Certificate for Best Paper Presentation at the International Conference on Smart Communication.

Ms. Priyanka Garg from Shivalik College of Engineering, Dehradun, has successfully completed a 10-hour Faculty Development Program on Idea Generation Methods (Online Live FDP) conducted by ICT Academy

Dr. Prithviraj Singh Solanki, Richa Mishra, Kumar Rethik, Dr. Vijaylakshmi Sajwan, Pradeep Chauhan, Khushpreet Singh, Priyanka Garg, and Aakanksha Pundir have published a patent on a Machine Learning-Based Network Security Device.

Ms. Pooja Maurya, Assistant Professor at Dept. of Computer Science & Engineering, has successfully participated in and completed the AICTE Training and Learning (ATAL) Academy Faculty Development Program on 'Exploring AI Using IBM Watson and Google Colab' at Gurukul Kangri Vishwavidyalaya, Haridwar, from 03/02/2025 to 08/02/2025.

Dr. Vijaylakshmi Sajwan Associate Professor at Dept. of Computer Science & Engineering, has successfully participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on Exploring AI Using IBM Watson and Google Collab at Gurukul Kangri Vishwavidyalaya, Haridwar from 03/02/2025 to 08/02/2025.

Prof. (Dr) Anand Kumar Gupta Professor at Dept. of Computer Science & Engineering has successfully participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on Exploring AI Using IBM Watson and Google Collab at Gurukul Kangri Vishwavidyalaya, Haridwar from 03/02/2025 to 08/02/2025

Ms. Surbhi Bhardwaj has successfully participated & completed the AICTE Training and Learning (ATAL) Academy Faculty Development Program on Exploring AI Using IBM Watson and Google Collab at Gurukul Kangri Vishwavidyalaya, Haridwar from 03/02/2025 to 08/02/2025

DEPARTMENT'S ACTIVITIES

Shivalik College of Engineering, Dehradun, has taken a significant step forward by signing a Memorandum of Understanding (MoU) with the Continuing Education Centre (CEC), IIT Roorkee, on 6th June 2025. The MoU signing ceremony was graced by esteemed personalities including Prof. Kaushik Ghosh, Co-ordinator of CEC, IIT Roorkee, and Mr. Sonal Kumar, Superintendent, CEC, IIT Roorkee.

On March 17, 2025, Shivalik College Dehradun signed an MoU with IIT Mandi to foster academic collaboration in AI and emerging technologies. The collaboration will focus on emerging trends and advancements in various engineering disciplines, such as AI and Data Science. It will also highlight the growing role of semiconductors across different technology sectors.

Shivalik College of Engineering, Dehradun, and IIT Ropar inked an MoU for academic collaboration and research in AI, Data Science, and other emerging technologies on March 12, 2025. With this association, SCE shall now offer minor programs in sync with the NEP 2020 and establish a Cyber Physical System Lab for increased research opportunities, especially in AI and Machine Learning.

STUDENTS ACHIEVEMENTS

Tanisha Dhasmana B.tech IIIrd year student completed Accenture's Data Analytics and Visualization Job Simulation course.

Aditi Gupta successfully completed the Data Analytics and Visualization Job Simulation with Accenture through Forage. This achievement reflects her skills in project understanding, data modeling, and client presentation.

Rifat has successfully participated in a Climate Fresk workshop on 8th February 2025, organized by Wase Warriors Society and High Environmental & Social Impact India.

Aman Sundriyal, B.Tech IInd Year Student has successfully participated in the comprehensive "Volunteer Experimental Learning Program" organized by the Dept. of Sports, Govt of Uttarakhand, in collaboration with the International Institute of Sports & Management, Mumbai, for the 38th National Games, Uttarakhand 2025.

Tanu Dixit, B.Tech CSE IInd year (Data Science) student has got internship offer from Pinnacle lab Pvt. Limited.

Vickky Kumar, B.Tech CSE IInd Year student has got internship offer from Pinnacle lab Pvt. Limited.

STUDENTS ACHIEVEMENTS

Mr. Shivam Kumar B.Tech CSE IVth Year student has published his research paper titled "MULTIPLE DISEASE PREDICTION WEBAPP" in the International Journal of Latest Research in Engineering and Computing (IJLREC) – Volume 12, Issue 1, 2025 (Pages 24–31).

Deepak Kumar, Abhinav Srivastava, Anurag Kumar students of B.Tech CSE IIIrd year has secured III position in Chakrvyahu Challenge held in Uttaranchal University Dehradun.

Aditi Gupta, B.Tech Cse IIIrd Year student has present their research paper title "Advancing Natural Language Processing: A Journey through the Evolution of Language Model" at the International Conference on Recent Advances in Artificial Intelligence for Sustainable Development (RAISD 2025), held at Jharkhand Rai University, Ranchi.

Sunil Sisodiya, B.Tech CSE III year student, has secured a silver streak Badge for maintaining a 25-day streak on CodeChef. This accomplishment reflects my dedication and consistent effort in honing my problem-solving skills and participating actively in competitive programming.

Ayush Panwar, B.Tech CSE IIIrd Year student participating in the Level 1 E-Commerce & Tech Quiz organized by Flipkart and Unstop.

Shivalik

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