

CSE NEURAL NEWS
DEPARTMENT NEWSLETTER

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, SCE, DEHRADUN

JULY-2022 TO DEC-2022



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.



PROF. (DR.) PRAHLAD SINGH

HOD'S MESSAGE

DEAR READERS,

It gives me great pleasure to present the latest edition of the Computer Science and Engineering Department newsletter. This edition reflects the dedication, creativity, and accomplishments of our students, faculty, and staff.

Our department remains committed to academic excellence, innovation, and industry-aligned learning. Through research-driven initiatives, hands-on projects, and interdisciplinary collaboration, we continue to shape future-ready professionals and thought leaders.

I extend my sincere thanks to the editorial team and all contributors for their efforts in showcasing the vibrant spirit of our department. Let us keep moving forward—learning, creating, and growing together



DR. ASHUTOSH BHATT





MR. GLEN BENNET HERMON

EDITORIAL BOARD MESSAGE

DEAR READERS,

It is with great pleasure that we present this edition of the Computer Science and Engineering Department newsletter. This platform reflects the hard work, creativity, and achievements of our students and faculty. Each page highlights the spirit of innovation, collaboration, and academic excellence that defines our department. Within the scope of this issue, a summary of all the activities scheduled for January 2023 – June 2023 is presented.

We thank all contributors for their valuable inputs and continued support. We hope this edition inspires and informs our readers as we continue our journey of learning and growth.

EDITORIAL BOARD STUDENT MEMBER



NAMAN SHRIMALI



PRITY KUMARI



SHIVAM KUMAR



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 a Bachelor's 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



Mr. Glen Bennett Hermon has published a research paper titled "A Systematic Analysis of Face Detection and Recognition Using Open CV" in the International Journal of Food and Nutritional Sciences, volume 14, issue 5, 2022.



Shubham Gupta has published a research paper titled "Speech Perception and Automated Speech Recognition using an Audio-Visual Corpus" in the International Journal of Food and Nutritional Sciences, volume 14, issue 5, 2022.



Mithlesh Pandey has published a research paper titled "A Comprehensive Study on Software Development Lifecycle and Systematic Analysis of Its Challenges" in the International Journal of Food and Nutritional Sciences, volume 14, issue 5, 2022.



Ashutosh Bhatt has published a research Paper titled "Detection Techniques Used for Foodborne Pathogens and its Significant Financial and Human Behavioural Effects" in the Journal for Reattach Therapy and Developmental Diversities, Volume 6, No. 2S.

DEPARTMENT ACTIVITIES

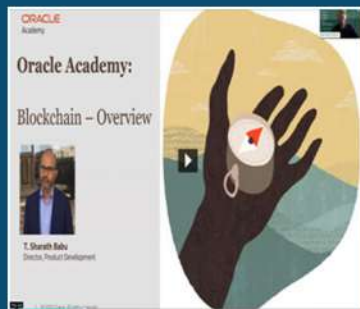


Department of Computer Science and Engineering organized a one-day Guest Lecture on Coding for the B.Tech II-Year and B.Tech III-Year students. The objective of this guest lecture on Coding is to introduce the student to real-world coding practices, problem-solving techniques, and industry-relevant tools. The session aimed to bridge the gap between academic learning and industry requirements, promote logical thinking, and prepare students for competitive programming, internships, and technical placements.

DEPARTMENT ACTIVITIES



Department of Computer Science & Engineering organize 15 days training on Microsoft data Analyst Associate for the B.Tech IV-Year students. The objective of the training was to provide a fundamental understanding of data repositories and data processes, both on-premises and in the cloud Using Power BI.



Department of Computer Science & Engineering organizes a one-day webinar on "Significance of Blockchain technology" for the B.Tech CSE II-Year and III-Year students. The objective of the virtual event was to learn about blockchain technology from a seasoned Oracle professional, along with critical information on how to apply this technology.



Department of Computer Science & Engineering organizes a guest lecturer on "Industry 4.0 Innovation Series for the B.Tech CSE II-Year and III-Year students. Mr. Amit Kumar- Professor, IIT Roorkee, was the Expert of the event. The objective of the guest lecture is to equip engineering students and faculty with insights into the latest trends, technologies, and innovations driving the Fourth Industrial Revolution (Industry 4.0). This session aims to bridge the gap between academic knowledge and industrial advancements by introducing participants to smart manufacturing, IoT, AI, robotics, data analytics, and cyber-physical systems

DEPARTMENT ACTIVITIES



Department of Computer Science & Engineering organizes a one day self learning workshop on cloud computing for the B.Tech CSE II-Year and III-Year and IV-Year Students. Mr. Anand Babu was the Expert of the Event. This workshop was conducted in collaboration with ICT Academy. The objective of the Cloud Computing workshop is to provide participants with a foundational understanding of cloud concepts, including various service and deployment models. It aims to offer hands-on experience with popular cloud platforms such as AWS, Microsoft Azure, or Google Cloud, enabling students and faculty to explore services like storage, computing, and application deployment.

STUDENTS ACHIEVEMENTS



Mansi Garg, B.Tech II-Year student, attended a Webinar on Data Science & Its Application on 20th August, 2022, organized by BVICAM, New Delhi.



Arihant Jain, B.Tech III-Year student, successfully completed online course "Foundation: Data, Data Everywhere" authorized by Google and offered by Coursera.

STUDENTS ACHIEVEMENTS



Bashar Alam, B.Tech III-Year student, successfully completed an online course on UI/UX offered by Great Learning.



Alok Negi, B.Tech II-Year student, completed his internship with Dehradun Smart City Limited from 27-05-2022 to 27-09-2022.



Arpit Kumar, B.Tech III-Year student, completed his Graduate Rotational internship Program at the Spark Foundation from Oct-2022 to Nov-2022.



Rishikesh Kumar, B.Tech III student get internship of Web Development from Oasis infobyte.

STUDENTS ACHIEVEMENTS



Aditya Chauhan, a B.Tech CSE First-Year student, has earned an Elite NPTEL Online Certification in the 'Programming in Java' course.



Shivalik

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