

DEPARTMENT NEWSLETTER

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, SCE, DEHRADUN

JAN-2023 TO JUNE-2023



NEURAL NEWS

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



Dr. Ashutosh Bhatt, recently published a patent in the field of Artificial Intelligence Engineering, the title of invention is An Artificial Intelligence Based Smart Hand Sanitization System for Elderly.



Dr. Ashutosh Bhatt published a paper titled "Role of Big Data Analysis and its Challenges" in the Social Science Journal.



Mr. Mithlesh Pandey has published a research paper title "Security Assaults, Flaws, and Defences in Wireless Sensor Networks at Different OSI Reference Model Levels" in International Journal of Food and Nutritional Sciences, volume 11, issue 12.



Mr. Shiv Singh has published a research paper title "Psychosocial Problems and Psychological Distress Therapy for over BMI Personnel's Mental Well-Being" in the Journal of Re Attachment Therapy and Developmental Diversities, volume 6.



Mr. Shiv Singh, participated and Successfully Completed AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Game Theory and Communication Networks" at the Indian Institute of Information Technology Vadodara.

DEPARTMENT'S ACTIVITIES



The Training & Placement Department and the Department of Computer Science organized a one-day industrial visit on 04 April 2023 for B.Tech CSE 2nd Year students to iHUB Divya Sampark, IIT Roorkee, to update them with the latest developments in the startup field and enhance their technical knowledge.



The CYB3RTR0N Club of the Computer Science & Engineering Department organized a one-day workshop on Cyber Security and Ethical Hacking on 7th April 2023 for B.Tech 2nd and 3rd Year students. Mr. Rahul Mishra, Cyber Security Advisor to the UP Police, was the expert speaker for the workshop. The objective of the workshop was to educate students about cyber security and align their knowledge with industry requirements.



The Alice Club of the Computer Science and Engineering Department organized a guest lecture on Artificial Intelligence and Artificial Neural Networks (ANN) on 11th March 2023 for B.Tech 2nd and 3rd Year students. The guest speaker for the event was Dr. Durga Toshniwal, Professor at IIT Roorkee. The objective of this guest lecture was to educate students about Artificial Intelligence and Machine Learning.

DEPARTMENT'S ACTIVITIES



The Data Smasher Club of the Computer Science and Engineering Department organized an online competition on the basics of Data Science on 15th December 2022 for B.Tech 2nd and 3rd Year students. A total of 68 students participated in the competition."



The CYB3RTR0N Club of the Computer Science and Engineering Department organized Hackathon 2.0 for B.Tech 2nd and 3rd Year students. A total of 110 students participated in Hackathon 2.0. Team Knight Watcher secured the first position, Team X secured the second position, and Team Droid Bot secured the third position

STUDENTS ACHIEVEMENTS



Shivam Kumar B.Tech IIInd year student successfully completed online course on Java Programming.



Animesh Kumar B.Tech II year student, participated in Cyber Security workshop organized by Innovative Ideas Infotech Society in association with UP Police

STUDENTS ACHIEVEMENTS



Anirudh Singh, B. Tech IIInd Year Student, has completed the AI Master Class (30 Days) at Pantech Pro Labs.



Manshi Garg B.Tech IIInd Year Student has attended webinar on Data Science & its application.



Ayush Kumar Chanchal, B.Tech IIInd Year student got an internship offer from Oasis Infobyte.



Saksham Arya, a Student of B.Tech CSE IIInd year student got an internship opportunity from the Spark Foundation for the function Web Development and Designing.



Eshank Tyagi, B.Tech CSE IIInd Student, selected for a one-week Boot Camp organized by DevTown on Web Animations using CSS.



Shubham Sharma, B.Tech CSE IIInd Year Student, earned the Web Application Developer Associate 1 certification from Xaasweb.

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COLLEGE OF PHARMACY

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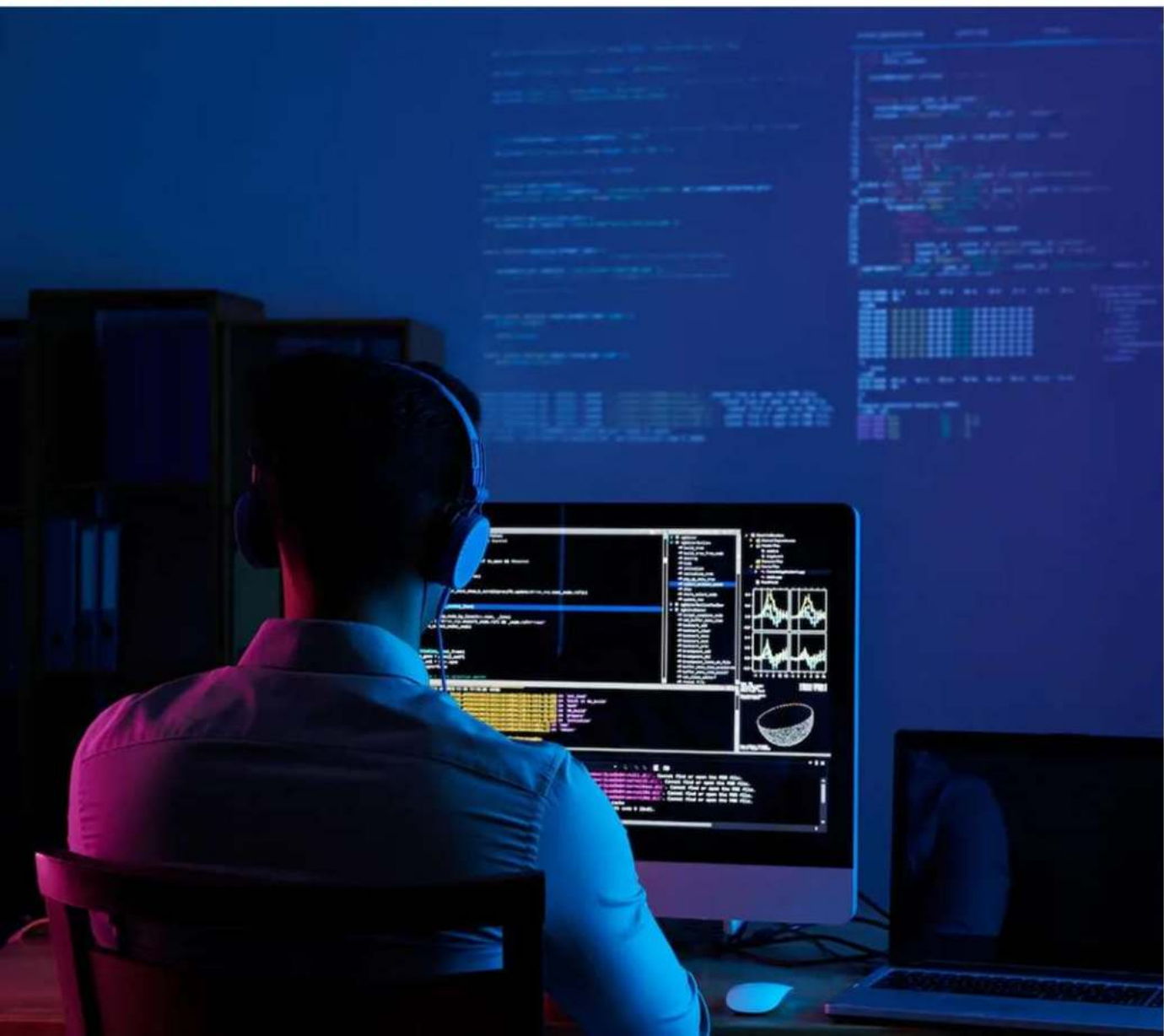
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PROF. (DR.) PRAHLAD SINGH

HOD/COD MESSAGE

DEAR READERS,

It is a matter of immense pride and pleasure to present the latest edition of the Newsletter of the Department of Computer Science and Engineering. This edition is a testament to the unwavering dedication, creativity, and achievements of our students, faculty members, and staff.

Our department continues to uphold its commitment to academic excellence, innovation, and industry-oriented learning. Through a blend of research-driven endeavors, practical project work, and interdisciplinary collaboration, we strive to nurture future-ready professionals and visionary leaders.

I sincerely appreciate the efforts of the editorial team and all contributors for capturing and presenting the dynamic and vibrant essence of our department. Let us continue to progress together—learning, innovating, and excelling as a community.



MR. SARTAJ KHAN





MR. SHIV SINGH

EDITORIAL BOARD MESSAGE

DEAR READERS,

We are delighted to bring you this edition of the Computer Science and Engineering Department newsletter. This publication serves as a reflection of the dedication, ingenuity, and accomplishments of both our students and faculty members. Every section of this issue captures the essence of innovation, teamwork, and academic distinction that our department proudly upholds.

This edition provides a comprehensive overview of the departmental activities conducted between July 2023 and December 2023, offering insights into the vibrant academic and co-curricular engagements during the period.

We extend our heartfelt gratitude to all contributors for their valuable contributions and unwavering support. We hope that this issue both informs and inspires our readers as we collectively continue on our path of knowledge, creativity, and advancement.

EDITORIAL BOARD STUDENT MEMBER



NAMAN SHRIMALI



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FACULTIES ACHIEVEMENTS



Dr. Ashutosh Bhatt published a research paper titled "Detection Techniques Used for Foodborne Pathogens and Their Significant Financial and Human Behavioral Effects" in the Journal for ReAttach Therapy and Developmental Diversities, November 2023 issue.



Mr. Sartaj Khan, Assistant Professor in the Department of Computer Science and Engineering, has been awarded a Certificate of Appreciation for his outstanding coordination in the execution of the Honeywell Student Empowerment Program (SEP). This recognition, granted under Honeywell's CSR initiative and implemented by ICT Academy, highlights his dedication and impactful contribution to student development and empowerment.



Mr. Sartaj Khan, Assistant Professor in the Department of Computer Science and Engineering, successfully participated in an AICTE-recognized Faculty Development Programme (FDP) on "Computer Vision using OpenCV." This one-week FDP was organized by the Department of Computer Science and Engineering, NITTTR Chandigarh, and was held from 7th August to 11th August 2023.



Dr. Vijayalakshmi Sajwan published a Scopus-indexed research paper, titled "Sentiment Analysis of Twitter Data Regarding the Agnipath Scheme of the Defense Forces" in the prestigious Indonesian Journal of Electrical Engineering and Computer Science (IJECS).



Mr. Glen Bennet Hermon, was awarded at the GenNext AI Solutions Competition of the first-ever Artificial Intelligence in Defence (AiDef) symposium and exhibition organised by the Department of Defence Production, Ministry of Defence conducted on the 11th of July at Vigyan Bhawan in New Delhi. symposium, the Honourable Defence Minister of India

DEPARTMENT ACTIVITIES



The Department of Computer Science & Engineering successfully organized a Problem-Solving Session on 28th July 2023, aimed at tracking students' academic progress and guiding them toward better conceptual clarity.

A detailed mind map was shared with the students to help them visualize their learning path and set clear academic goals.



The Department of Computer Science & Engineering organized "Error by Knight" a dedicated event aimed at addressing students' coding-related practical problems. This unique initiative was designed to foster a supportive and collaborative environment where students could present their real-time coding challenges and receive expert guidance from faculty members and peers.



The Department of Computer Science & Engineering organized a Guest Lecture by KPMG on 25th October 2023 at the Shivalik College of Engineering campus for B.Tech CSE students. Mr. Sarthak Shukla was the esteemed guest speaker for the event. The objective of the lecture was to engage with students and introduce them to the basic concepts of Six Sigma, along with the opportunities that follow in this domain.



The Computer Science & Engineering Department had organized Expert talk by Autodesk on 23rd December, 2023 at Shivalik Group of College Campus, for the students of B.Tech CSE 2025 batch. **Mr. Krishna Chaturvedi** was the speakers of the event. The main objective of the event is to provide students with an overview of the interview process and the latest industry insights.



The Department of Computer Science & Engineering organized a guest lecture on 8th September 2023 for B.Tech CSE third- and fourth-year students, in collaboration with 3Pillar Global. The session aimed to update students with the latest industry trends and enhance their technical knowledge. The primary objective of the lecture was to help students understand modern operational practices and how to implement the theoretical concepts they have learned as part of their curriculum.

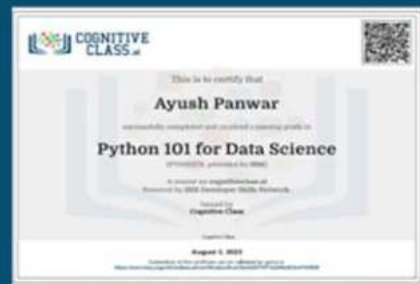


The Department of Computer Science & Engineering organized a highly insightful Guest Lecture on the "Industry-Academia Interface Program" on 5th December 2023. Mr. Shushant Kumar, India Lead—University Relations & Early Talent Hiring at TATA Technologies, conducted the session. This session was specially organized for the students of the **B.Tech CSE 2024 & 2025 batches** to bridge the gap between academic learning and industry expectations.

STUDENTS ACHIEVEMENTS



Rajdeep Ramola, B.Tech CSE IInd Year completed a two-month internship in Machine Learning with Python at YHills.



Ayush Panwar, a second-year B.Tech CSE student, has completed the "Python 101 for Data Science" course offered by Cognitive Class and powered by the IBM Developer Skills Network.



Mukul Negi, a second-year B.Tech CSE student, has completed a two-month internship in Programming in Java at YHills, in collaboration with E-Cell, IIT Hyderabad.



Abdul Wahid, a second-year B.Tech CSE student, has completed an online course titled "Master Course in Cyber Security & Cyber Security Awareness" offered by Udemy under the guidance of Dr. José J.



Garima, a second-year B.Tech CSE student, has completed the C++ Intermediate course offered by Sololearn.



Ayush Kumar Chanchal, a B.Tech 3rd Year student, was the winner of Tech Fest 2023, securing the first prize.



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