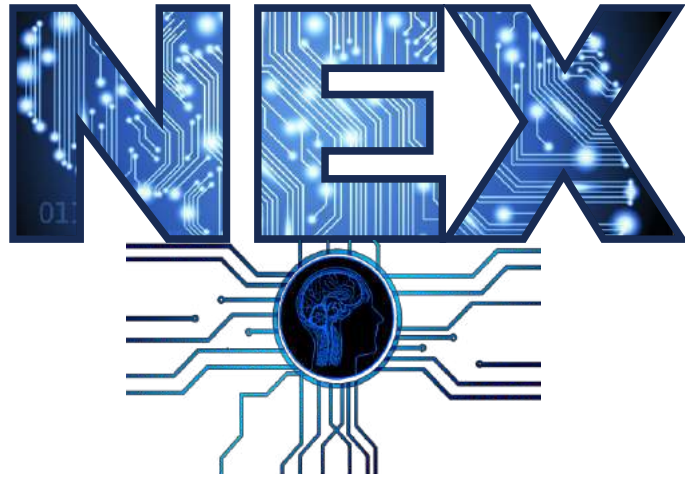




DEV BHOOMI —UTTARAKHAND— UNIVERSITY

(Notified by Govt. of India u/s 2(f) of the U.G.C. Act, 1956)



VOL 2, ISSUE-1, February 2022

GEN

A Newsletter
School of
Computer Science
& Engineering

VC Message



It is heartening to learn that the SoCSE is releasing its 2nd issue of "NextGen" showcasing the schools remarkable progress & achievements. The newsletter seems vivid,

vibrant & informative. Heartiest congratulations to the editorial team and the school's dynamic leadership. KUDOSSS

Pro-VC Message



SoCSE Newsletter beautifully captures the soul of the Computer Science Activities. I am sure that the newsletter will become a must-read chronicle on happenenings in SoCSE & look forward to reading many more excellent issues in the times to come.

From Dean's Desk



I am very happy to present 2nd issue of the newsletter. There are many other good things to share with you about SoCSE. Congratulation to my team for organizing

international symposium successfully. Hearty congratulations to my faculty members for getting patent and research papers published. I sincerely wish that there will be a lot more from all of our faculty. The placement season has started with a bang for our students. Together, let us achieve significant new signposts.

Seminar on How To Crack Civil Services Exam..?

An awareness program for Engineering students was conducted on 02 Dec 2021. **Puneet Singh UPSC Topper (CSE: AIR 26,2020 and ESE: AIR 55, 2015)** spoke with B.Tech CSE Final Year and MCA Final Year students on how to crack Civil Services Exam, Engineering Service Exam, GATE & PSUs in 1st Attempt and about the career options available after B. Tech CSE.



Talk on Cyber Security and Laws



Mr. Rajeev Semwal, Special Task Force Cell, Uttarakhand Police, 26th Nov 2021, 02:00PM, spoke on Cyber Crimes Violating Personal Privacy, Violating Digital Data Laws and on Online Fraud.

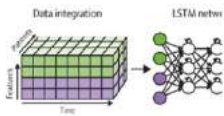
He addressed some concerns of the students and gave some tips concerning the Cyber-Security Laws and Prevention.



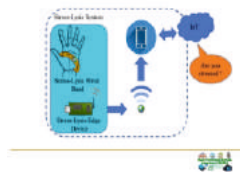
Spotlight on new Grants

PATENTS FILED

Dr.Gesu Thakur has published a patent entitled **“DEEP LEARNING MODEL FOR PREDICTING IN SEVERITY PROGNOSIS OF PATIENT INFECTED WITH COVID -19.”** on 13 Jan 2022.

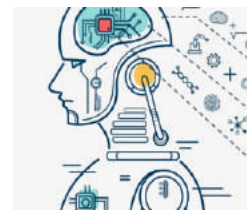


Proposed Solution: Stress-Lysis
✓Conceptual Overview of the iStress System.



Mr. Dhajvir Singh Rai has published a patent entitled **“SDLOG: AN INTELLIGENT DEVICE OR THE DETECTION OF STRESS LEVEL USING IOMT”** on 24 Dec 2021.

Dr Ritika Mehra, Dr Ashish Gupta, Mr Vikas Thapa, Ms Afsar Jahan, Ms Gunjan Bhatnagar has published a patent entitled **“TO ANALYZE THE WALKING BEHAVIOUR OF ELDERLY PEOPLE USING SMART FOOTWEAR AND DEEP LEARNING”.** on 24 Dec 2021.



Dr. Gesu Thakur has published a patent entitled **“DEEP LEARNING MODEL FOR PREDICTING IN SEVERITY PROGNOSIS OF PATIENTS INFECTED WITH COVID-19”** on 27 Jan 2022.

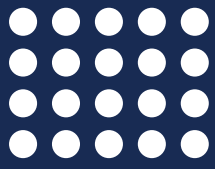
Mr. Dhajvir Rai has published a patent entitled **“IOT BASED WATER LEAK DETECTION DEVELOPMENT IN SMART HOME”.** on 31 Dec2021.



Dr.Gesu Thakur has published a patent entitled **“IOT AND MACHINE LEARNING BASED HEALTHCAREMANAGEMENT TECHNIQUES FOR MODERN MEDICAL PROCESSES.”** on 11 Dec 2021.

PUBLICATIONS IN NATIONAL AND INTERNATIONAL JOURNALS

S.NO.	NAME	TITLE	JOURNAL / CONFERENCE
1.	Nafees Farooqui, Amit Misra, Ritika Mehra	Analysis of Antioxidant and Rutin Content in Buckwheat Flour Bread by Machine Learning Approach	International Journal “The Design Engineering”. ISSN: 0011-9342, Issue 8 Pages 17188-17201, Nov 2021.
2.	Sameeka Saini, Ankit Maithani, Diksha Dhiman, Amita Bisht	Analysis of Different Machine Learning Algorithms Used for Identification of Lung Cancer Disease	9 th International Conference on Reliability, Infocom Technologieds & Optimization (Trends & Future Directions)
3.	Yogesh Kumar, Harendra Sharma, Ritu Pal	Popularity Measuring and Prediction mining of IPL Team using Machine Learning	9 th International Conference on Reliability, Infocom Technologieds & Optimization (Trends & Future Directions)
4.	Pooja Gupta Srabantimaji, Ritika Mehra	Predictive modelling of Professional stress based on XG Boost Model under AI and Data Science Track	18 th IEEE Indian Council Annual International Conference (INDICON-2021) on 19-21 Dec 2021 at Indian Institute of Technology, Guwahati, Assam, India.
5.	Digvijay Singh, Minakshi Memoria	Enhanced Classifier Model for Detecting Spam Reviews Using Advanced Machine Learning Techniques.	The Design Engineering VOL 2021ISSUE 06. Page no 1-12
6.	Aina Mehta, Jasminder Kaur Sandhu, Meena Pundir, Rajwinder Kaur, Luxmi Sapra	Sinkhole Attack Detection in Wireless Sensor Networks	Lecture Notes on Data Engineering and Communications Technologies, vol 91. Springer, Singapore. January 2022



List of Faculty Members

- **Dr. Ritika Mehra**
Professor & Dean School of CS&E
- **Dr. Gesu Thakur**
Associate Professor & Head Computer Applications
- **Mr. Dhajvir Singh Rai**
Associate Professor & Program Coordinator CSE
- **Mr. Subhashish Goswami**
Associate Professor
- **Dr. Luxmi Sapra**
Associate Professor
- **Dr. Ashish Gupta**
Associate Professor
- **Mr. Rahul Bhatt**
Assistant Professor
- **Mr. Digvijay Singh**
Assistant Professor
- **Mr. Akhilesh Pandey**
Associate Professor
- **Mr. Ankit Maithani**
Assistant Professor
- **Ms. Gunjan Bhatnagar**
Assistant Professor
- **Ms. Sameeka Saini**
Assistant Professor
- **Mr. Mukesh Rajput**
Assistant Professor
- **Mr. Yogesh Kumar**
Assistant Professor
- **Ms. Abhilasha Chauhan**
Assistant Professor
- **Ms. Amita Bisht**
Assistant Professor
- **Mr. Kuldeep Bahuguna**
Assistant Professor
- **Mr. Arif Ali Chauhan**
Assistant Professor
- **Mr. Vikas Thapa**
Assistant Professor
- **Ms. Avni Sharma**
Assistant Professor
- **Ms. Afsar Jahan**
Assistant Professor
- **Ms. Champa Devi**
Assistant Professor
- **Ms. Manvi Walia**
Assistant Professor
- **Mr. Sachin Sharma**
Assistant Professor

BOOK LAUNCH : Connecting Students and Enhancing Reading Culture

“OCCASIONS TO CELEBRATE, COLLABORATE, NETWORK, BUILD AND SHARE!”

School of Computer Science and Engineering celebrated the launch of the book **“Data Structures using C”** authored by **Dr. Ritika Mehra, Professor & Dean** on 26-Nov-21. The Book gives immense knowledge and benefit to students in the journey of learning Computers. Honourable Chief Guest of the program **Dr. Rajendra Dobhal, Director General UCOST**, launched the book. At the end of program Chancellor's Sir presented appreciation award to the author and wished her more success in her life.



International Symposium



SoCSE has organised **2-Days International Symposium** on an eminent topic **“Recent Trends on Emerging Technology”** on 17 and 18 Dec. 2021. The Symposium hosted National and International Speakers, including a variety of experts and representatives from academia, government and industry. Detail of the speaker are :



- ◆ **Dr. Amodh Tiwari**, Associate Professor, REC Sonbhadra spoke about the use of software engineering in hybrid environment.
- ◆ **Dr. Abhishek Sharma**, Post-doctoral fellow, Ariel University Israel Talked about the Application of Swarm Intelligence Techniques.
- ◆ **Dr. Akhilesh Sharma**, Manipal University Jaipur spoke about Trends on Health care data analysis and Big-data Approaches.
- ◆ **Dr. Mahesh Bundela**, Poornima University Jaipur Briefed about Wearable Computing and its Application.
- ◆ **Prof. Sheng-Lung Peng**, National Taipei University of Business spoke about the Overlapping Community detection Problem.
- ◆ **Dr. Rajeev Kumar**, GL Bajaj Institute of Technology Lectured on Facial Emotion Recognition using Convolutional Neural Network.
- ◆ **Dr. Bright Keswani**, Suresh Gyan Vihar University Jaipur Lectured on Fuzzy Based Weather Condition Modelling Systems in Precision Agriculture.



Dr. Abhishek Sharma
Ariel University
Israel



Prof. Sheng-Lung Peng
National Taipei Univ. of Business
Taiwan



Dr. Bright Keswani
Suresh Gyan Vihar University
Jaipur



Dr. Rajiv Kumar
GL Bajaj Inst. of Technology
Greater Noida



Dr. Mahesh Bundela
Poornima University
Jaipur



Dr. Amodh Tiwari
REC Sonbhadra
Sonbhadra



Dr. Akhilesh Sharma
Manipal University
Jaipur





Industrial Education Visit to

RUBICO



SoCSE students (59 students of BCA, BSc-IT and MCA) were taken to **Industrial Visit to the Campus of Rubico IT Pvt. Ltd. on December 13, 2021 at Haridwar**. The visit was held under the supervision of Dr. Ritika Mehra and Ms. Gunjan Bhatnagar where they interacted with the industrial people and have a first-hand experience on how a corporate actually works. Ms. Sameeka Saini (Assistant Professor SoCSE) and Mr. Arif Ali (Assistant Professor SoCSE) accompanied the students during visit. Students get interaction with HR and Software Developers and are exposed to practical and events in companies thereby refining their corporate skills and industry understanding. At Rubico IT, students know more about “what and how the work is done”. Students came to know about their desired field which increased their curiosity towards the fields suitable for them and cleared the blurry vision regarding their career.





WORKSHOPS

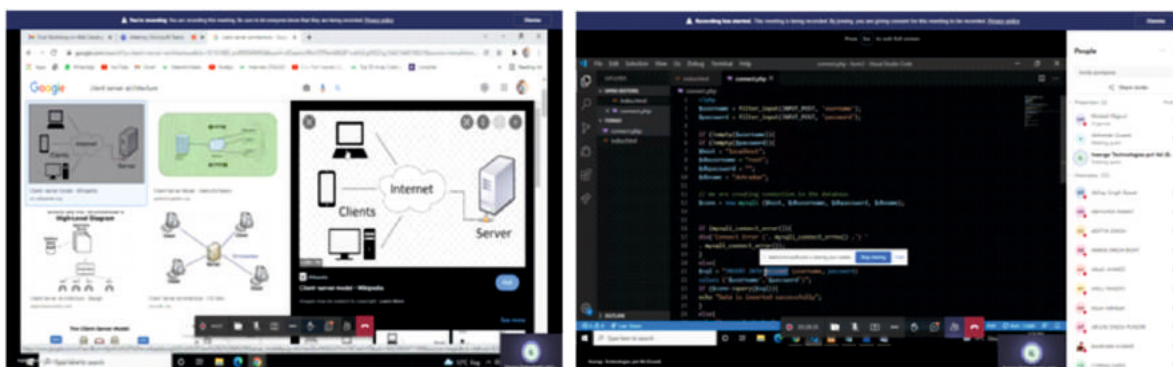
Open-Source Technologies



Nived Velayudhan
Associate Solution Architect
RHCA, Red Hat APAC

Red Hat, RHEL, RHA - Courses, Certifications and Career opportunities for students. Workshop was conducted on 21-Jan-22, 11:00am on Blue Jeans platform. Mr. Nived Velayudhan, Associate Solution Architect, RHCA, Red Hat APAC enlightened the students with his knowledge to solve the IT challenges such as automation and containerization on hybrid cloud environments by using customized open-source solutions and helping customers achieve better ROI and meeting their business demands.

Web Development Using PHP



School of Computer Science and Engineering has conducted 3 days workshop on Web development using PHP for B.Tech CSE 3rd year and BCA first year in collaboration with Trainer Insergo Technologies Pvt. Ltd on 14 to 16-Jan-2022. Students were able to build dynamic websites using PHP with the help of engaging examples and challenging activities.

STUDENTS ACCOMPLISHMENT

Arihant Jain and Priyanhsi Jain, B.Tech 2nd Year, attended workshop on Power Python by LUDIFU



Anuj Kumar, B.Tech 3rd Year,

- Participated in brain storming workshop of digital marketing with website development Gray Apple IT Consulting Pvt. Ltd. On 27th-29th Oct 2021.
- Attended and cleared assessment for certification on lecture series on innovation and entrepreneurship development conducted by NITI Aayog and IEEE Up section.
- Successfully completed training course on Introduction to Amazon Elastic Load Balancer-Application, Amazon RDS Service Introduction, An Introduction to Amazon Virtual private Cloud (VPC) conducted by AWS training and certification on 29 Dec, 24 Dec, 24 Dec 2021 respectively.
- Successfully attended Hands-on Workshop of Robotics by ENSINO Research and Development Pvt. Ltd. On 9th Oct 2021.



PLACEMENTS



Meet Our Proud
ACHIEVERS



**2.7
LPA**

B.Tech (All stream) /MCA/BCA/B.Sc -

Ankit Bisht, Kush Bhandari, Anshul Pandita, Nitesh, Sanskrita Dhar, Shubham Upadhyay, Avantika Yadav



**3.0
LPA**

B.Tech(CSE)/BCA/MCA -

Aniket, Priyanka, Sakshi Badola, Rohit Singh, Yogesh Chand Pandey, Md Farhan Alam



**3.6
LPA**

B.Tech / MCA -

Anjali Singh, Dolley Kumari, Anshula Pandita, Amit Kumar Pandey, Akhil Kumar, Khush Bhandari, Sumit Kumar, Nitesh



**3.6
LPA**

B.Tech (CSE/ECE) & MCA -

Rishika, Manibhushan Roy, Anjali Singh, Premjeet Kumar, Shubham Updhyay, Vaishali Sisaudia, Jaishree Agrawal, Manika Bhagat, Suraj Chaturvedi, Sakshi Badola, Nitesh, Suryabhan, Rohit Singh, Shrishti Gupta, Soni Negi, Akhil Kr. Shrivastava, Arushui Dhiman, Krishna Dhek



**4.5
LPA**

B.Tech / MCA -

Ajay Singh Bisht, Anshul Joshi, Dhananjay Kumar Singh, Praveen Pandey, Saurav Singh, Suryabhan,



**3.25
LPA**

B.Tech / MCA -

Sachin Kumar, Rohit Singh



**2.84
LPA**

B.Tech / B.Sc(IT) -

Anjali Kushwaha



**3.0
LPA**

B.Tech / B.Sc(IT) -

Shivam Rawat, Rachit Das

