



DAYANANDA SAGAR
UNIVERSITY



SCHOOL OF
ENGINEERING

SOE - "The Weekly Buzz"

The Official Weekly Newsletter of **School of Engineering**



Week#45 (Nov 04 to 09 Nov, 2024)

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SCHOOL OF ENGINEERING

VISION

- Transform lives through excellence in engineering education, research and innovation with an emphasis on sustainability, inclusive technologies and global needs.

MISSION

- Design and deliver contemporary engineering curricula to address regional and global needs while emphasizing ethics, values, integrity and regional relevance.
- Carryout high impact academic research, industry projects and innovation activities with active student engagement to advance science and engineering knowledge and state-of-the art industry practices.
- Develop regional and national leaders to advance the society and economy.

Faculty Contributions


Department Of Computer Science & Engineering

- Dr. Bipin Kumar Rai, Professor, Department of CSE has published a scopus indexed conference paper “Abstractive Text Summarization with Domain Knowledge for Biomedical Data” In Computation of Artificial Intelligence and Machine Learning. ICCAIML 2024. Communications in Computer and Information Science, vol 2184. Springer.
https://link.springer.com/chapter/10.1007/978-3-031-71484-9_23

Home > Computation of Artificial Intelligence and Machine Learning > Conference paper

Abstractive Text Summarization with Domain Knowledge for Biomedical Data

Conference paper | First Online: 25 September 2024
pp 259–271 | [Cite this conference paper](#)

[Shivani Sharma](#)  [Gaurav Agarwal](#) & [Bipin Kumar Rai](#)

 Part of the book series: [Communications in Computer and Information Science](#) ((CCIS, volume 2185))

 Included in the following conference series:
[International Conference on Computation of Artificial Intelligence & Machine Learning](#)

 4 Accesses

- Dr George Fernandez I, Associate Professor, Department of CSE has received an AWS Academy Educator Badge from AWS Training and certification on 7th November 2024.

AWS Academy Educator
Amazon Web Services Training and Certification

Issued 11/7/24

 **Dr George Fernandez I** • You
Associate Professor at Dayananda Sagar University, Bengaluru, India
SM • 

View my verified achievement from Amazon Web Services (AWS).

 AWS Academy Educator was issued by Amazon Web Services Training and Certification to Dr George Fernandez I

Department Of Computer Science & Engineering

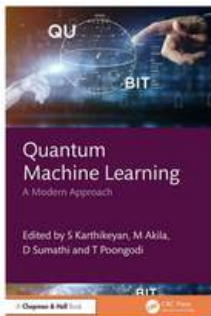
- Dr. S Gokulakrishnan, Assistant Professor, Department of CSE has successfully published a text book as a Co-author for the book titled “Foundations of Data science” with Pandit Publications and ISBN: 978-93-93769-71-8 during November 2024.



#	Book Title	ISBN	Author	Language	Category	Name of Publishing Agency/Publisher	Name of Author/Editor	Available in
1	Foundations of Data Science	978-93-93769-71-8	S. Gokulakrishnan, P. Pandit	English	Computer	Pandit Publications	S. Gokulakrishnan, P. Pandit	Available



- Dr. T. Poongodi, Professor in the Department of CSE, published an Edited Book entitled “Quantum Machine Learning: A Modern Approach” with an International Publisher - CRC Press – Routledge Taylor & Francis Group -- A Chapman & Hall Book, 2024, pp. 1–300.



Department Of Electronics and Communications Engineering

- Dr. Pushpa Mala S., Associate Professor in the Department of ECE at DSU and Treasurer of the Women in Engineering IEEE Bangalore Chapter, was invited as a guest of honor for the hackathon event "Samanvaya" held at DSCE from 8th to 10th November 2024. This 36-hour event, organized under the theme "Affordable Medical Device Development" as part of the IEEE Asia Pacific R10 initiative, offered students a hands-on platform to explore and innovate in medical device development. With a focus on multidisciplinary learning, the hackathon aimed to equip students with essential skills for creating cost-effective healthcare solutions. Dr. Pushpa Mala's presence and insights contributed greatly to inspiring and guiding participants throughout this impactful event.
- Dr. Pushpa Mala S. also participated in the IEEE PES R10 Women in Power (WIP) Summit held on 10th November 2024 at the Radisson Blu Hotel, Atria, Bengaluru. The summit gathered accomplished professionals and aspiring women engineers from across the region, fostering discussions on empowering women in engineering fields. Dr. Pushpa Mala's involvement in the summit highlighted her commitment to promoting women's active participation in engineering and her role in advancing IEEE's Women in Engineering initiatives.
- Dr. Supraja Eduru has been awarded a Certificate of Appreciation by NPTEL (National Programme on Technology Enhanced Learning) for her contribution to translating educational content. She translated the files for the course Analog Electronic Circuits (Course Code: 108105158), offered by IIT Kharagpur, into Telugu. Dr. Supraja's efforts totalled 10.25 hours, enhancing accessibility for Telugu-speaking students in technical education. This recognition highlights her dedication to supporting the wider dissemination of knowledge through the NPTEL and SWAYAM platforms, which aim to provide free online education to students across India.



Departmental Activities

Department of CSE (Data Science)

- Participation in Zerodha Varsity Quiz Event, On November 6, 2024, a group of enthusiastic 3rd-year students from the Department of Computer Science and Engineering (Data Science) at Dayananda Sagar University (DSU) participated in the "Zerodha Varsity Quiz." This popular finance quiz event, held at DSU's City Campus, was coordinated by Dr. Pavan Kumar U, who supported the team with preparation, registration, and overall organization
- The quiz, hosted by Zerodha in collaboration with QShala, featured two rounds: a Preliminary Round and a Grand Finale, with cash prizes totaling INR 25,000. Students tackled challenging questions on economics, wealth management, business and investing, all based on the educational content of the Zerodha Varsity platform. This experience offered DSU students a valuable opportunity to engage with real-world finance concepts.
- The DSU team consisted of 5th-semester students from CSE (Data Science), guided by Dr. Pavan Kumar U. Team members included Pavan Kumar G, Shushma S, Kuruba Veeresh, Hifza Ahmed, Thanya U Ganiga, Shama, Nitin Prajwal R, Janardhan, R Sindhu, Venkat Nivas Reddy, Sherlyn Rose, Job Jomy, Harshita Jeetendra Bhute, Sanjana S, Kovarthana, Sujeeth Kumar, and Virika. Their combined background in data science brought a unique analytical perspective to the competition.
- The Zerodha Varsity Quiz was a great platform for DSU students to apply their technical and analytical skills in finance, bridging the gap between technology and financial literacy. The experience not only enriched their knowledge but also prepared them for a versatile career combining technical and financial expertise.

- An orientation session organized by NTT DATA was held on 7th November 2024 at Dayananda Sagar College of Engineering (DSCE) for the 16 students from 5th Semester, Dept of CSE (DS) selected for training with the company. This session provided the students with insights into NTT DATA's organizational culture, expectations and onboarding process, preparing them for the training phase and the start of their professional journey.
- The orientation was attended by Prof. Shivamma D, Assistant Professor, Department for CSE (Data Science) the Single Point of Contact (SPOC) for NTT DATA at Dayananda Sagar University (DSU) as well as Dr. Rashmi S., Associate Professor and HOD Department for CSE (Data Science) DSCE, Mr. Guruvenkatesh, Director, Placement Cell and representatives from the NTT DATA team.
- The collective presence of these stakeholders underscored the institution's commitment to supporting the students selected for training, marking an important milestone in their preparation for a successful career with NTT DATA.



Department of Electronics and Communications Engineering

- The Department of Electronics and Communication Engineering (ECE) conducted a workshop on Parallel and Pipeline Implementation of FIR and IIR Filters on FPGA using MATLAB/Simulink on November 7th and 8th, 2024, for 5th-semester ECE students. Dr. Arun Balodi, Professor and Chairman, inaugurated the workshop with an emphasis on the importance of digital filter design in signal processing.
- Led by Dr. Shirshendu Roy, Assistant Professor, the technical sessions covered FIR and IIR filter fundamentals, different filter structures, parallel processing, and pipelining techniques, as well as data formats and FPGA implementation basics. Prof. Nadeem Pasha and Prof. Jaishree Ramadevaru coordinated the event, guiding students through hands-on sessions involving FIR filter design in Simulink, conversion to Verilog code, and verification in Vivado.
- The workshop offered valuable practical insights, enabling students to bridge academic concepts with industry-standard tools. Dr. Balodi concluded the event by thanking all participants and faculty for their contributions, reinforcing the department's commitment to experiential learning.

Workshop poster for the Department of Electronics and Communication Engineering at Bhanu Sagar University. The poster features logos for IEEE, IETE, and the School of Engineering. The main title is 'WORKSHOP ON PARALLEL AND PIPELINE IMPLEMENTATION OF FIR AND IIR FILTER ON FPGA USING MATLAB/SIMULINK'. The dates are November 7, 2024 (B Section) and November 8, 2024 (A Section). The location is A-309, with a time slot of 1.50 p.m. to 4.30 p.m. The Chief Patrons are Dr. D. Hemachandra Sagar, Chancellor, and Dr. D. Prehachandra Sagar, Pro-Chancellor. The Patrons are Dr. Amit Bhatt, Vice-Chancellor, Dr. Puttamadappa C. Reddy, and Dr. Udaya Kumar Reddy. The Conveners are Dr. Arun Balodi, Chairman-ECE, and Dr. Shirshendu Roy. The Co-ordinators are Prof. Nadeem Pasha and Prof. Jaishree Ramadevaru.



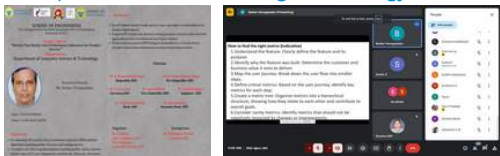
Department Of CSE (AIML)

- On November 9th, 2024, the Department of CSE (AI&ML) at Dayananda Sagar University organized an expert talk on "Navigating the Future: Tips for Interviews, Higher Studies, and Entrepreneurship" for the 7th Semester CSE (AI&ML) students. The session started by welcoming the resource Person Dr. Bahubali Shiragapur, professor in CSE (AI&ML). Dr. Bahubali shared an enriching session on higher education and career success strategies. Dr. Bahubali emphasized a structured approach to pursuing higher studies, advising students on identifying personal interests, exploring research-oriented programs, preparing for exams, seeking scholarships, and networking with alumni. He also highlighted the importance of internships and research to build practical experience and enhance professional networks. For career preparation, Dr. Bahubali shared strategies for excelling in interviews, including researching companies, practicing responses, showcasing problem-solving abilities, and demonstrating essential soft skills. He further inspired students to consider entrepreneurial paths, encouraging innovation and the pursuit of ventures beyond traditional roles. Dr. Bahubali insightful guidance left a positive impact, equipping students with valuable tools for academic and career advancement.



Department of Computer Science & Technology

- The expert talk on "Metrics That Matter: Key Performance Indicators for Product Success" was organized by department of Computer Science & Technology for 7th semester students on 7th November 2024 from 11AM to 1PM. Session provided a deep dive into understanding and leveraging key metrics to drive product success. The speaker, an expert in product analytics, shared actionable insights on selecting, analysing and applying KPIs to enhance product decision-making and strategy.



B.Tech - Parents & Teacher Meeting

- B.Tech-First Year Parents Teacher Meeting was conducted on 9, November 2024 at Lecture Hall in Dayananda Sagar University, Harohalli. Around 150 Parents/Guardian attended the meeting. The meeting was addressed by Dr. Udaya Kumar Reddy KR, Dean-School of Engineering. The Dean presented on syllabus aspects, placement activity and also highlighted the importance of Engineering in B.Tech First Year. Later Physics & Chemistry Cycle Coordinator Dr. Yogesh & Dr. Saravana gave concluding remarks on the B.Tech First Year. The meeting was also attended by Various Department Chairpersons, First Year Class advisors and first year subject handling faculties. Parents had interaction with various subject faculties and the importance of mid semester marks, attendance were discussed with parents. All over positive feed back was obtained from parents and the meeting was concluded with snacks and refreshments.



Student Activities

Department of Computer Science and Engineering

- The team "Shamsheer" student lead Mr Rohan Jaiswal (ENG22CS0578) has been shortlisted for Grand finale of SIH 2024 under the Guidance of Dr Bipin Kumar Rai, Professor, CSE, SOE. Congratulations !!!



- We are thrilled to announce that Chethan Keshav (ENG22AM0009), Ayden Alvito Xavier Joanes (ENG22AM0079) and Jiyanshee Jain (ENG23CS0330) have secured 1st place in a competition featuring 600 participants from fields such as management, law, medicine, and engineering. Their outstanding teamwork and knowledge earned them a cash prize of ₹12,000. This victory highlights their dedication and the high standards upheld at DSU. Congratulations to our champions!



- Mr. Gaurav Shetty (ENG22CS0061), 5th semester CSE student participated in the month long online Hacktoberfest successfully from open-source contribution and each level unlocked certain limited edition badges during November 2024.



- Ms. B. Saishree [ENG22CS0260], Ms. Deepthi S V [ENG22CS0287], Ms. Deethiksha [ENG22CS0288], Ms. Harini Sri S [ENG22CS0314] and Ms. Monishree [ENG22CS0372] has a team of students selected to attend Pragati- Path to future skill program by Infosys Springboard 2024.
- Mr. Omkar S G (ENG23CS0128), 3rd semester CSE student has successfully participated in the Zerodha Varsity Quiz held on 6th November 2024 at Dayananda Sagar University.
- Ms. Shaik Saara Shireen (ENG23CS0179), 3rd semester CSE student has successfully Completed the Online courses on the Infosys Springboard platform with the course names “Start Programming in Core JAVA” and “Skill UP in JAVA Programming” during 6th and 8th November 2024 respectively.



- We are excited to share that Mitesh Srinivasan (ENG22AM0034), T S Farhan (ENG22AM0065), and Ullas Chander (ENG22AM0066) achieved an impressive 2nd place in a challenging quiz competition with 600 participants from various fields. Their outstanding performance earned them a cash prize of ₹9,000, showcasing their commitment and expertise.



Department of CSE (Cyber Security)

- Student Mr. V Anand (ENG22CY003) from CSE (Cyber Security), SOE, DSU recently showcased their skills in competitive events organized by premier institutions. EnigmaXplore 2.0 CTF at TantraFiesta'24: part of the team "cyberians" from DSU, participated in the Capture The Flag (CTF) event of TantraFiesta'24. Organized by the Indian Institute of Information Technology (IIIT), Nagpur, this event brought together cybersecurity enthusiasts from across the nation and also Code Red by IEEE NITK represented DSU in the "Code Red" event hosted by the IEEE Student Branch at NIT Karnataka. This event provided a platform for participants to demonstrate their coding and problem-solving skills. These participations highlight DSU's commitment to fostering talent and encouraging students to engage in diverse learning experiences beyond the classroom.



- The following students from Department of Cyber Security has actively participated in "Zerodha Varsity Quiz" held at DSU on 06th Nov 2024. Mr.Jashwanth A Shetty(ENG22CY0011), Mr.Prajwal N Halvi(ENG22CY0037) Mr.Adeesh Lokesh Poojary(ENG22CY0025), Ms.Bindhu N(ENG22CY0031), Mr.Saurav Pandey(ENG22CY0039)



Department of CSE (Data Science)

- Congratulations to Team Zephyr1 for Advancing to the SIH 2024 Grand Finale! We are thrilled to announce that our student team, Zephyr1, led by Nikhil Kumar (ENG23EC0100) and guided by Prof. Manjula M and Prof. Monish L, has been shortlisted for the Grand Finale of Smart India Hackathon (SIH) 2024 in Batch 2. Their innovative project, titled "Indian Sign Language Translator for Deaf-Mute Communication," aims to bridge communication gaps and support inclusive interaction. This achievement highlights the dedication and technical skills of our students and mentors. Wishing Team Zephyr1 all the best in the final round!



Department of Computer Science & Technology

- We are delighted to share that Team Zephyr1 from Dayananda Sagar University has been selected for the Grand Finale of Smart India Hackathon (SIH) 2024 under the Ministry of Social Justice and Empowerment. The team, led by Nikhil Kumar (Team ID: SIH1719, U-0856), and including Ms. Jyothishree (ENG22CT0008), has been working on an impactful project titled "Indian Sign Language Translator for Deaf-Mute Communication," which aims to enhance accessibility and communication for the deaf-mute community. Congratulations to Team Zephyr1 on this remarkable achievement, and we wish them the best of luck in the final round!

SIH1719	Ministry of Social Justice and Empowerment	5	21342	10411	Zephyr1	Nikhil Kumar	U-0856	DAYANANDA SAGAR UNIVERSITY	Bengaluru Urban	Karnataka	SELECTED
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