DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

QUARTERLY NEWSLETTER

**Faculty of Engineering and Technology (FET)
Gurukula Kangri (Deemed to be) University, Haridwar**

≫ EDITOR'S NOTE

Dear Readers,

It gives me great pleasure to present the April–June 2025 edition of our quarterly magazine — a vibrant snapshot of the energy, innovation, and collaboration that continue to define the Department of Computer Science and Engineering.

Artificial Intelligence, cybersecurity, and automation are not just buzzwords — they are at the heart of the transformation reshaping industries, economies, and the very way we live and think. In this ever-evolving landscape, our department remains committed to preparing students to navigate and contribute meaningfully to these exciting domains. Through a dynamic mix of academic inquiry, hands-on learning, and community engagement, we continue to cultivate not just technical competence but also curiosity, creativity, and a strong ethical foundation.

This quarter of 2025 was marked by a range of enriching and memorable activities. The National Conference on Automation for Sustainable Future brought together thought leaders from academia and industry to discuss the role of intelligent systems in creating a sustainable future. The event saw active participation from faculty and students, both as contributors and keen learners. The Alumni Meet rekindled connections across generations and reminded us of the enduring bonds that continue to support and inspire the department's growth.

This magazine seeks to capture the highlights of the past three months while offering thoughtful glimpses into broader trends shaping the tech world. From research updates and event reflections to student achievements and creative expressions, this issue reflects the well-rounded spirit of our department — one that values excellence not just in labs and classrooms, but also in dialogue, collaboration, and cultural engagement.

I extend my heartfelt appreciation to the editorial team, student contributors, and faculty mentors for their efforts in putting together this edition. May it serve as a source of inspiration and pride for all members of our community.

Looking ahead, we remain excited for the journey ahead — one marked by learning, innovation, and shared growth.

Dr. Mayank Aggarwal
Professor & Head
Department of Computer Science &
Engineering
GK(DU), Haridwar

RESEARCH/CONFERENCE/FDP (FACULTY)

- Dr. Mayank Aggarwal Authored a Chapter titled "Navigating the ethical cross roads of generative AI in healthcare" in Book titled Generative AI in Healthcare by CRC Press(Taylor & Francis), July 2025. ISBN-9781003408246.

- Mrs. Anjali Arora and Dr. Mayank Aggarwal Published a paper entitled "Blockchain-Enabled Sustainable Water Management: Empowering Communities for Clean Future", in International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics (IC3ECSBHI), IEEE Xplore, 20 May 2025.

- Mrs. Jigyasha Arora and Dr. Suyash Bhardwaj Published a paper entitled "A Systematic Review for Anomaly Detection in Financial Transactions", in 4th International Conference on Mathematical Modelling and Computational Science (ICMMCS-2025) organized by Society for Intelligent Systems held at Pattaya, Thailand on 10-11 January, 2025 & published on 24 June 2025.

- Dr. Deepak Painuli and Dr. Suyash Bhardwaj Published a paper entitled "Efficient Feature Selection and Hyperparameter Tuning for Improved Speech Signal-Based Parkinson's Disease Diagnosis via Machine Learning Techniques", Springer Nature Switzerland, 15 Jan 2025.

- Dr. Sunil Kumar and Mr. Vivudh Fore Published a paper entitled "Production and optimization of soybean biodiesel production at fixed temperature 50° C with RSM and ANN", Springer Berlin Heidelberg, 30 May 2025.

International Conference on Automation for Sustainable Future

The Faculty of Engineering and Technology (FET), Gurukul Kangri (Deemed to be University), Haridwar, successfully organized a two-day International Conference on "Automation for Sustainable Future" from 7th to 8th March 2025. The conference brought together academicians, researchers, and industry experts to deliberate on the critical role of automation in driving sustainable development across various sectors. The conference was inaugurated under the esteemed chairpersonship of Prof. Hemlatha K., Hon'ble Vice-Chancellor, Gurukul Kangri (Deemed to be University). The Chief Guest of the event was Prof. Bhrigu Nath Singh, Vice-Chancellor, Rajiv Gandhi National Aviation University, Amethi, Uttar Pradesh. Both dignitaries highlighted the significance of integrating automation technologies with sustainable development goals and encouraged academia-industry collaboration in this vital area.

- **Conference Chair:** Prof. Vipul Sharma (Dean, FET, GK(DU))
- **Conference Co-Chair:** Dr. M.M. Tiwari (FET, GK(DU))
- **Organizing Secretary:** Dr. Sanjeev Lambha
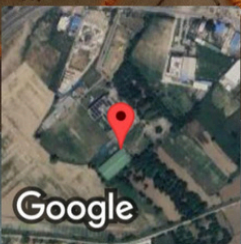- **Co-Organizing Secretary:** Dr. Nishant Kumar

Their collective efforts ensured the seamless execution and academic richness of the conference.

The conference featured multiple technical sessions covering a broad range of topics related to automation, sustainability, and emerging technologies. The different speakers who spoke on the "Use of Artificial Intelligence in Mechanical Engineering", drawing significant attention and appreciation from attendees for its interdisciplinary relevance.

Faculty members from the Department of Computer Science and Engineering actively participated in the conference, presenting their research papers and engaging in discussions. The contributing faculty included: Dr. Suyash Bhardwaj, Mr. Namit Khanduja, Mr. Vivudh Fore, Mr. Shashank Sharma, Dr. Aman Tyagi, Mr. Aman Tyagi, Mr. Ashwani, Mr. Abhishant Sharma, Mr. Kuldeep Giri, Mr. Mukesh.

Their active involvement reflected the department's commitment to promoting research and innovation aligned with the theme of sustainable automation.

The International Conference on "Automation for Sustainable Future" served as a significant platform for knowledge exchange and academic collaboration. It successfully highlighted emerging trends, challenges, and opportunities in leveraging automation technologies for a sustainable future. The efforts of the organizing team, faculty members, and participating scholars contributed to the resounding success of the event.

GPS Map Camera

Haridwar, Uttarakhand, India
W387+hm3, Haridwar, Uttarakhand 249402, India
Lat 29.916573° Long 78.064°
08/03/2025 02:51 PM GMT +05:30

Alumni Meet at FET GK(DU)

The Alumni Meet 2025 of the Faculty of Engineering & Technology (FET), Gurukul Kangri (Deemed to be University), Haridwar, was held on 8th March 2025 with great enthusiasm and warmth. The event brought together former students from various batches, who reunited with their alma mater, faculty members, and peers. The program commenced with the lighting of the ceremonial lamp followed by the chanting of Vedic mantras, symbolizing the rich cultural heritage of the university. The respected Vice-Chancellor, along with the Dean of FET, welcomed the distinguished alumni and expressed gratitude for their continued association with the institution.

During the meet, alumni shared their professional experiences and success stories, reflecting on how their education and values from Gurukul Kangri played a pivotal role in shaping their careers. They also offered valuable suggestions for strengthening the academic, research, and placement ecosystem of the university. The highlight of the event was the felicitation ceremony, where notable alumni were honored for their outstanding achievements in diverse fields. The atmosphere was filled with nostalgia, joy, and a strong sense of belonging as old memories were revived and new bonds were formed. Dr. Nishant Kumar coordinated the event successfully along with Mr. Abhishant Sharma.

Group Discussion on Technology & Innovation under NDLI Event

A Group discussion was held on 22 April 2025 between 11:00 AM to 12: 00 PM at IBM Lab, Department of Computer Science & Engineering, Faculty of Engineering & Technology, Gurukula Kangri Deemed to be University, Haridwar. The Brainstorming session had total 39 Students, the event was graced by Dr. Mayank Agarwal, Dr.Nishant Kumar.

>>> UGC SPONSORED FDP ON "AI FOR HIGHER EDUCATION", MMTC, SARDAR PATEL UNIVERSITY GUJURAT

This Faculty Development Programme (FDP) was organized from 21/04/2025 to 26/04/2025 under the auspices of the University Grants Commission (UGC) and conducted through the MM-TTC at Sardar Patel University. As part of UGC's mandate to strengthen higher education faculties, MM-TTC regularly conducts such short-term professional development initiatives. Focusing on "AI for Higher Education," this FDP aimed to equip educators with the latest AI concepts, tools, and pedagogical strategies relevant to academia. Dr. Mayank Aggarwal serves as Professor and Head of the Computer Science & Engineering Department at Gurukula Kangri Deemed-to-be University, Haridwar. His profile includes multiple accolades such as IBM Generative AI Watsonx Faculty Award-2024 and expertise spanning AI, Cloud, Blockchain, IoT, and more. His role involved delivering an online session for this FDP—reflecting his continued engagement in AI-oriented educational missions. Potential discussions on emerging trends in Generative AI (e.g., Watsonx) and ethical considerations when deploying AI in education.

AICTE SPONSORED ATAL FDP ON "ARTIFICIAL INTELLIENCE(AI) " MIT,MEERUT

The AICTE Training and Learning (ATAL) Academy-sponsored Faculty Development Programme (FDP) on "Artificial Intelligence" was successfully conducted at Meerut Institute of Technology (MIT), Meerut, from 16th to 21st June 2025. The FDP aimed to enhance the knowledge base of faculty members in the domain of Artificial Intelligence (AI), focusing on both foundational concepts and emerging trends. The FDP witnessed active participation from faculty members across various engineering and technical institutions. The sessions were designed to cover theoretical foundations, practical implementations, and hands-on exercises using AI frameworks.

A key highlight of the FDP was the engaging and informative session conducted by Dr. Mayank Aggarwal, an esteemed expert in the field of Artificial Intelligence. Dr. Aggarwal's delivery was highly appreciated by the participants for its clarity, depth, and practical orientation. The session included interactive Q&A, where participants actively engaged. From this session, participants gained a deeper understanding of core AI concepts and their practical utility. The AICTE Sponsored ATAL FDP on "Artificial Intelligence" at MIT, Meerut, concluded successfully with enthusiastic participation and positive feedback.

Unlock the power of technology to revolutionize learning

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- Dr. Suyash Bhardwaj delivered an invited talk on "Intellectual Property Rights" at APEX university, Jaipur on 08 April, 2025.

Unlock the power of technology to revolutionize learning

- Dr. Suyash Bhardwaj delivered an invited talk on "Cyber Security for Students" at DAV, Jagjeetpur, Haridwar on 22 April, 2025.

- Dr. Suyash Bhardwaj delivered an invited talk on "Web Technologies" at Dev Sanskriti Vishwavidyalaya, Haridwar on 27 April 25.

- Dr. Suyash Bhardwaj delivered an invited talk on "Application of Computer Science and Research Writing" at Lal Bahadur Shastri Rashtriya Sanskrit Vishwavidyalaya on 17 May 2025.

Unlock the power of technology to revolutionize learning

- Dr. Suyash Bhardwaj delivered an invited talk on "latest Tools for Software Development" at NIET, Noida on 25 April 25.

- Dr. Suyash Bhardwaj delivered an invited talk on "Research Methodology and Research Ethics" at Lal Bahadur Shastri Rashtriya Sanskrit Vishwavidyalaya on 16 May 2025.

Unlock the power of technology to revolutionize learning

Adulthood

The bane of being a grown up?

Did it ever occur to you how being a grown-up has changed so much? The ice cream we ate, the games we used to play, and the friends we made in the past. It all feels so different. I am not denying the fact that doing certain tasks brings up nostalgia, though it's just not the same feeling. The carefree summer afternoons, the silence of the trees, the laughter of joy when we met our friends in the evening, it all feels so different, lost somewhere, maybe in time or responsibilities, or maybe in the rush of building things; we lost something, a connection with ourselves. Perhaps! I guess we all would agree that we do miss the sounds of those early morning raindrops or cold winters being tucked into our blankets, sleeping with peace in our minds. Nothing to worry, nothing to care, having the dreams to land on the moon or wondering how seeing the ocean would feel like, or maybe walking barefoot on the wet sands- the excitement of doing something for the very first time. Life feels changed, so does the world. Even childhoods have changed these days. The smartphones have taken over the fun of hide and seek, and the tablets have taken over the mom's homeschooling.

Did we ever take a second to think where it all changed, or maybe a blink of an eye to realize the loss of our most valuable possession?

Somewhere, I believe, the grief of losing someone, the tension of paying someone, the rush to work, the race to earn, the urge to compete, the efforts to make someone happy have taken the fun out of that "Dal Chawal and Dahi "from our mothers' hands. How ironic it feels to be children yearning to be adults, and the adulthood feels like a lost childhood.

Are we truly happy?

If not, go out there in the falling rain with that same excitement or hug your parents (especially mom's), telling them how much you love them. Life never stops for anyone, live it again as a child before it's too late.

Written by:-
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B.Tech Second Year.

STUDENT'S PLACEMENT

Congratulations to **Anurag Sharma** from Computer Science & Engineering (CSE) Department for getting Placement in **Bharuwa Solutions** .

Congratulations to **Piyush Jaiswal** from Computer Science & Engineering (CSE) Department for getting Placement in **Portway Solutions India Pvt Ltd.**

Congratulations to **Ashish** Singh from Computer Science & Engineering (CSE) Department for getting Placement in **Kloudrac Software Pvt Ltd.**

Congratulations to **Rudra Prakash Pandey** from Computer Science & Engineering (CSE) Department for getting Placement in **Knack Tech Pvt Ltd.**

Congratulations to **Rahul** from Computer Science & Engineering (CSE) Department for getting Placement in **Knack Tech Pvt Ltd.**

Congratulations to **Raju Kumar Gupta** from Computer Science & Engineering (CSE) Department for getting Placement in **Knack Tech Pvt Ltd.**

Congratulations to **Hariom Singh** from Computer Science & Engineering (CSE) Department for getting Placement in **Knack Tech Pvt Ltd.**

Congratulations to **Alok Kumar** from Computer Science & Engineering (CSE) Department for getting Placement in **Knack Tech Pvt Ltd.**

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