

VOLUME 3 ● ISSUE 4 ● OCT - DEC 2025

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



QUARTERLY NEWSLETTER

VOLUME 3 ● ISSUE 4 ● OCT-DEC 2025

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

A Newsletter from
Department of Computer Science & Engineering
Faculty of Engineering and Technology
Gurukula Kangri (Deemed to be) University, Haridwar

»»» **EDITOR'S NOTE**

Dear Readers,

It is a matter of great pride and pleasure to present the Oct–Dec 2025 edition of the Quarterly Magazine of the Department of Computer Science & Engineering, Gurukula Kangri (Deemed to be University), Haridwar. This issue highlights a vibrant academic quarter marked by technical advancement, meaningful interactions, and solemn remembrance of our rich heritage.

Throughout this quarter, the department organized insightful workshops on Artificial Intelligence, enabling students to gain exposure to cutting-edge technologies and their real-world applications. The Alumni Interaction Program served as an inspiring platform where students benefited from the experiences, guidance, and career journeys of our distinguished alumni, strengthening the bond between past and present members of the Gurukula Kangri family.

A significant highlight of this quarter was the observance of Balidan Diwas, commemorating the 100th sacrifice day of the immortal martyr Swami Shraddhanand Saraswati. The program instilled a deep sense of patriotism, values, and respect for the visionary ideals that continue to guide the institution. Additionally, the Mega Job Fair provided students with valuable opportunities to interact with recruiters, explore career prospects, and take confident steps toward their professional aspirations.

This magazine stands as a reflection of the collective efforts of our students, faculty members, and organizers who worked tirelessly to make these initiatives successful. I extend my heartfelt appreciation to everyone who contributed to this edition. I hope this issue motivates readers to pursue excellence, uphold values, and embrace innovation in the ever-evolving field of Computer Science and Engineering.

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

Happy Reading!



Prof. Mayank Aggarwal
Dean
FET (Faculty of Engineering & Technology)
HOD (CSE)
GK(DU), Haridwar

- Dr. Mayank Aggarwal Authored a Chapter titled “Edge AI and Blockchain: A Synergy for Water Body Preservation” in Book titled “Edge Artificial Intelligence: Foundations, Techniques, and Applications” by Wiley., Chapter 20 pp 469-500, Nov,2025, Online ISBN:9781394355037.
- Dr. Mayank Aggarwal Authored a Chapter titled “Edge-AI Ledger Docs: Revolutionising Document Storage and Verification with Blockchain” in Book titled “Edge Artificial Intelligence: Foundations, Techniques, and Applications” by Wiley., Chapter 11 pp 277-305, Nov 2025, Online ISBN:9781394355037.
- Dr. Suyash Bhardwaj Attended the AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Artificial Intelligence in Education" from 13 october 2025 to 18 October 2025 organized by Abdul Razzak Kalsekar Polytechnic.
- Mr. Ashwani, Dr. Nishant Kumar Published a Paper entitled “A machine learning-based crop recommendation system using soil ecology for sustainable agriculture” by Action for sustainable efficacious development and Awareness (ASEA), Oct, 2025.
- Mr. Ashwani, Dr. Nishant Kumar Published a Paper entitled “A machine learning-based crop recommendation system using soil ecology for sustainable agriculture” in International Journal on Intelligent and Secure Engineering Solutions, Oct, 2025.
- Dr. Aman Tyagi Published a Patent on “AI Based Medical Appliances Controlling Device Using Image Processing” by Intellectual Property India, Nov 20 2025.

- **Dr. Nishant Kumar, participated in one week Faculty Development Program (FDP) on “Design Thinking for Next Generation AI Solutions” from 17th - 22th Nov, 2025 Organized by Department of CSE, FET, GURUKULA KANGRI VISHWAVIDYALAYA HARIDWAR.**
- **Mr. Namit Khanduja, participated in one week Faculty Development Program (FDP) on “Design Thinking for Next Generation AI Solutions” from 17th - 22th Nov, 2025 Organized by Department of CSE, FET, GURUKULA KANGRI VISHWAVIDYALAYA HARIDWAR.**
- **Dr. Aman Tyagi, participated in one week Faculty Development Program (FDP) on “Design Thinking for Next Generation AI Solutions” from 17th - 22th Nov, 2025 Organized by Department of CSE, FET, GURUKULA KANGRI VISHWAVIDYALAYA HARIDWAR.**
- **Mr. Aman Tyagi, participated in one week Faculty Development Program (FDP) on “Design Thinking for Next Generation AI Solutions” from 17th - 22th Nov, 2025 Organized by Department of CSE, FET, GURUKULA KANGRI VISHWAVIDYALAYA HARIDWAR.**
- **Mr. Ashwani, participated in one week Faculty Development Program (FDP) on “Design Thinking for Next Generation AI Solutions” from 17th - 22th Nov, 2025 Organized by Department of CSE, FET, GURUKULA KANGRI VISHWAVIDYALAYA HARIDWAR.**
- **Mr. Abhishant, participated in one week Faculty Development Program (FDP) on “Design Thinking for Next Generation AI Solutions” from 17th - 22th Nov, 2025 Organized by Department of CSE, FET, GURUKULA KANGRI VISHWAVIDYALAYA HARIDWAR.**

- **Mr. Kuldeep, participated in one week Faculty Development Program (FDP) on “Design Thinking for Next Generation AI Solutions” from 17th - 22th Nov, 2025 Organized by Department of CSE, FET, GURUKULA KANGRI VISHWAVIDYALAYA HARIDWAR.**
- **Mr. Mukesh, participated in one week Faculty Development Program (FDP) on “Design Thinking for Next Generation AI Solutions” from 17th - 22th Nov, 2025 Organized by Department of CSE, FET, GURUKULA KANGRI VISHWAVIDYALAYA HARIDWAR.**
- **Mr. Vivudh Fore, participated in one week Faculty Development Program (FDP) on “Design Thinking for Next Generation AI Solutions” from 17th - 22th Nov, 2025 Organized by Department of CSE, FET, GURUKULA KANGRI VISHWAVIDYALAYA HARIDWAR.**
- **Mr. Shashank Sharma, participated in one week Faculty Development Program (FDP) on “Design Thinking for Next Generation AI Solutions” from 17th - 22th Nov, 2025 Organized by Department of CSE, FET, GURUKULA KANGRI VISHWAVIDYALAYA HARIDWAR.**

»»» Vigilance Awareness Week 2025

The Faculty of Engineering and Technology, Gurukul Kangri (Deemed University), Haridwar, enthusiastically celebrated the closing ceremony of Vigilance Awareness Week 2025 on Thursday. This year's theme was "Vigilance: Our Shared Responsibility."

The program was inaugurated by Dean of the Faculty of Engineering. Mayank Awal started with the guest welcome address. On this occasion Shri Sushant Dey, Chief Vigilance Officer, Ministry of Education, Government of India, presented his views on the issue of Main Education. He said that Corruption is not limited to economic transactions only, but also in the form of collusion and exchange of unfair advantage. He also pointed out that individual, society, state and corporate – all are united by ethics and vigilance. Deeply rooted. Dr. D.S. Milak, Chief Vigilance Officer, Gurukul Kangri University said in his statement that “Vigilance is our shared It is a responsibility and every citizen should play his role with honesty and responsibility. During the program Chief Vigilance Officer Shri Dev Kumar administered the oath of allegiance to all those present.

The program concluded with a collective resolution to imbibe the values of vigilance, integrity and transparency in life.



Department of Computer Science & Engineering
Quarterly Newsletter - Oct - Dec 2025

»»» Interactive Workshop on Artificial Intelligence

An Interactive Workshop on Artificial Intelligence was organized on 29th October 2025 by NIELIT. The event was coordinated by Dr. Suyash Bhardwaj, who ensured the smooth execution of all activities throughout the session. The workshop aimed to provide participants with an in-depth understanding of Artificial Intelligence (AI) and its growing influence across various technological domains.

The session was conducted by Mr. Kailash, an expert from NIELIT, who delivered an engaging presentation on the fundamentals and applications of AI, including Machine Learning, Neural Networks, and Data-Driven Decision Systems. He emphasized how AI is transforming industries such as healthcare, education, and automation. Participants also got the opportunity to interact directly with the speaker, discussing current AI trends, real-world use cases, and future research opportunities.

The workshop was highly interactive, combining theoretical insights with practical demonstrations. Students and faculty members actively participated in hands-on exercises and discussions, making the session both informative and enriching. The event concluded with a vote of thanks to Mr. Kailash for sharing his valuable knowledge and to Dr. Suyash Bhardwaj for his excellent coordination. Overall, the workshop proved to be an enlightening experience that encouraged participants to explore the vast potential of Artificial Intelligence in their academic and professional pursuits.



W387+p95haridwar, Uttarakhand, India 
W387+p9f, W387+p95haridwar, Uttarakhand 249402, India
Lat 29.916728° Long 78.063767°
Wednesday, 29/10/2025 11:10 AM GMT +05:30

GPS Map Camera



Haridwar, Uttarakhand, India 
W387+hm3, Haridwar, Uttarakhand 249402, India
Lat 29.916742° Long 78.063776°
Wednesday, 29/10/2025 11:10 AM GMT +05:30

GPS Map Camera



W387+p95haridwar, Uttarakhand, India 
W387+p9f, W387+p95haridwar, Uttarakhand 249402, India
Lat 29.916728° Long 78.063759°
Wednesday, 29/10/2025 11:10 AM GMT +05:30

GPS Map Camera

Department of Computer Science & Engineering
Quarterly Newsletter - Oct - Dec 2025

»»» Workshop on "Indian Knowledge Tradition and National Education Policy 2020"

The Faculty of Engineering and Technology successfully organized a one-day workshop on "Indian Knowledge Tradition and National Education Policy 2020." The objective of this workshop was to inspire teachers and students to integrate the relevance of the Indian traditional knowledge system into the modern education system and technical education. The program began with a Vedic yagna, in which the entire campus was filled with spiritual energy with the auspicious recitation of the Vedas. This yagna seemed to revive the spirit of the university's Gurukul tradition, in which education is considered a spiritual practice. The program was coordinated by Dr. Suyash Bhardwaj and Dr. Devendra Singh, who prepared the entire event's outline and played a key role in the workshop's conduct. The program began with the lighting of lamps and Saraswati Vandana. Professor O.P.S. Negi was the chief guest. Invited speakers Mr. Amit Dutta, Mr. Amit Rawat, and Mr. Anuj Parashar shared their views. The stage was graced by the presence of Prof. Mayank Agarwal, Dean of the Faculty of Engineering and Technology, and Prof. Vipul Sharma, Registrar of the University.

In his address, Mr. Amit Dutta stated that the Indian knowledge tradition touches all aspects of human life—be it science, art, or ethics. He explained that integrating subjects like Vedic mathematics, yoga, Vastushastra, and Ayurveda with technical education can provide students with a holistic perspective. He stated that the Indian knowledge system is the mother of modern innovations, and making it an integral part of education again is the need of the hour.





Department of Computer Science & Engineering
Quarterly Newsletter - Oct - Dec 2025

»»» Alumni Interaction Programme

The Faculty of Engineering & Technology (FET), Gurukula Kangri organised an Alumni Interaction Programme on 19 November, aimed at guiding students towards career opportunities and enhancing communication skills. The session was coordinated and conducted by Dr. Nishant Kumar for B.Tech 2nd, 3rd, and 4th-year students. Two distinguished alumni addressed the students during the event. Mr. Amit Singh, CEO of Loogic Loom, Pune (Batch 2007), shared insights about industry expectations, innovation, and the importance of communication skills for corporate success. Mr. Manish, Senior Manager at BHEL Haridwar (Batch 2006), spoke about PSU career opportunities, workplace discipline, and the need for continuous learning. Students actively interacted with the speakers throughout the session, engaging in insightful discussions and asking relevant questions. They highly appreciated the practical guidance provided, finding it immediately applicable to their studies and projects.

The programme successfully strengthened alumni-student engagement and contributed to the professional development of engineering students. Additionally, Mr. Ashwani served as the Coordinator of the programme, ensuring smooth organisation, while Mr. Namit Khanduja delivered the Vote of Thanks, expressing gratitude to the alumni speakers, guests, and participants.



»»» Google Cloud Study Jams 2025–26

Google Cloud Study Jams organized by Google Developer Group (GDG) On Campus, Gurukula Kangri (Deemed to be University), Haridwar from 20th Oct to 20th Dec 2025. Google Cloud Study Jams are community-led educational programs designed to help students and early-career learners build practical skills in Google Cloud Platform (GCP) technologies. These study-focused sessions emphasize hands-on learning through guided labs, interactive discussions, and teamwork. Study Jams typically use the Google Cloud Skills Boost platform and include quests, badges, and real experience with cloud tools like Compute Engine, BigQuery, and more.

The Google Cloud Study Jams 2025–26 at GDG On Campus, Gurukula Kangri, Haridwar was an impactful initiative that empowered students with in-demand cloud computing skills. Spanning two months, the program blended structured learning with community engagement – equipping participants with both theoretical knowledge and hands-on experience. Events like this deepen technical understanding and strengthen career readiness, while also fostering a vibrant developer ecosystem on campus.



»»» A National workshop on Renewable Energy

A National workshop held on 7/11/25 at FET in collaboration with VIBHA, sponsored by NTPI was a revolutionary workshop which would help in building sustainable solutions in the field of energy. Eminent speakers from IITs/CSIR/NTPI/VIBHA and other organizations shared their experiences.

Prof. Yogesh sharma, IIT Roorkee gave valuable insights on biomass conversion for energy . Pine needles in uttrakhand is a huge biomass source for energy generation. I thankYou to our Dr. Lokesh Joshi , coordinator ,workshop for inviting such a great persons in the workshop. The workshop is dedicated to opportunityfor young Technocrats in Energy Startups



»»» Balidan Diwas At GK(DU)

Swami Shraddhanand Saraswati had established Gurukul Kangri on 04 March 1902 for the preservation of Indian culture and propagation of ancient knowledge and science. It is the 100th sacrifice day of the immortal martyr Swami Shraddhanand Saraswati, who dedicated everything on the sacrifice of freedom, the exclusive disciple of Maharishi Dayanand Saraswati and the reviver of the ancient Gurukul education system. Swami Shraddhanand Saraswati continued to work throughout his life for women's education, Dalit upliftment, social harmony and purification movement. Today, on his 100th martyrdom day, the entire Gurukul Kangri family remembers him with reverence and pays humble tribute.





»»» Mega Job Fair

The Faculty of Engineering & Technology (FET) successfully organized a Mega Job Fair on 28 December 2025 with the objective of providing enhanced employment opportunities to students and strengthening industry-academia collaboration. The event marked a significant milestone in FET's continuous efforts toward student career development and professional readiness. The Mega Job Fair witnessed the participation of 26 reputed companies from diverse domains including IT, software development, core engineering, analytics, and emerging technologies. Representatives from these organizations conducted recruitment processes such as aptitude tests, technical interviews, HR rounds, and pre-placement talks. The presence of a large number of recruiters provided students with valuable exposure to real-world hiring practices and multiple career pathways.

The Mega Job Fair served as an effective platform for bridging the gap between academia and industry. It reinforced FET's commitment to employability enhancement, skill development, and industry-oriented education. The collaboration with NIELIT and alumni networks highlighted the strength of institutional partnerships in achieving successful placement outcomes.

The Mega Job Fair held on 28 December 2025 at FET was a resounding success, witnessing participation from 26 companies and offering meaningful career opportunities to students. The event stands as a testament to the collective efforts of FET, NIELIT Haridwar, respected alumni of FET (GKV), and organizing teams. Such initiatives significantly contribute to the professional growth of students and uphold the institution's vision of excellence in technical education.







RECENT TRENDS IN ARTIFICIAL INTELLIGENCE (ICRTAI-2025)

On 15 October 2025, the International Conference on Recent Trends in Artificial Intelligence (ICRTAI-2025) was held at S.D. Suman University, Rishikesh. As part of the conference program, Prof. Mayank Aggarwal, Dean, Faculty of Engineering & Technology (FET), was invited to deliver an expert lecture to delegates including Academics, Researchers, Industry Professionals, and Students. The International Conference on Recent Trends in Artificial Intelligence (ICRTAI-2025) provides a platform for experts and practitioners to share insights on the latest advancements and applications of AI. It brings together thought leaders, researchers, and students to discuss recent innovations in areas such as machine learning, intelligent systems, AI applications, and their socio-economic impact.

The expert lecture delivered by Prof. Aggarwal was a valuable contribution to ICRTAI-2025, enriching the conference's intellectual discourse on artificial intelligence. Attendees appreciated his blend of theoretical insights and practical perspectives, which helped broaden understanding of how AI can be steered toward sustainable and impactful solutions.



Department of Computer Science & Engineering
Quarterly Newsletter - Oct - Dec 2025

»»» NATIONAL SEMINAR ON INDIA'S ROLE IN BRIDGING THE GLOBAL AI DIVIDE

On 31 October 2025, the National Seminar on “India’s Role in Bridging the Global AI Divide” was organized by the Department of Computer Science & Engineering, School of Science & Technology (SST) at Swami Rama Himalayan University (SRHU), Dehradun. The seminar brought together students, faculty members, and distinguished speakers from academia and industry to deliberate on the role of India in fostering inclusive and equitable development of Artificial Intelligence (AI). The national seminar focused on how India can play a pivotal role in bridging the global AI divide — a challenge where disparities in AI adoption and innovation capacity between countries and regions are addressed. The objective was to inform and inspire participants about India’s strategic position in the global AI landscape, highlighting ethical innovation, technological readiness, and socio-economic inclusion. The event was inaugurated by Prof. (Dr.) Pramod Kumar, Dean of the School of Science & Technology, who emphasized the need for continuous learning, ethical growth, and innovation in the era of AI. Distinguished speakers from both academic and industrial domains participated, addressing diverse themes related to AI’s impact and future trajectory.

The expert lecture by Prof. Mayank Aggarwal at the National Seminar on “India’s Role in Bridging the Global AI Divide” on 31 October 2025 was an intellectually enriching session that underscored India’s emerging leadership in AI.



SHAPING INCLUSIVE INTELLIGENCE

Join us for the Seminar/Talk on
India's Role in Bridging
the Global AI Divide

Hosted by the _____
SRHU School of Science & Technology

Guest Speakers:

Dr. Mayank Aggarwal
Professor & Dean, Faculty of Engineering & Technology,
Gurukul Kangri University, Haridwar

Dr. Neel Mani
Head, Institute of Artificial Intelligence (IAI),
Dev Sanskriti Vishwavidyalaya, Haridwar

Mr. Ravi Singhal
Director, International Business, ARgenie

Visvesvaraya Auditorium,
School of Science & Technology

31st October 2025

srhu.edu.in

Short Story: The Bridge That Appeared

Many years ago, in a small town, there lived a poor farmer named Madhav. He had worked for years to save money for his daughter's marriage. But a flood came and swept away his fields, his crops, and even the road to the nearby village where the wedding was arranged.

Everyone said, "The marriage cannot happen now. The road is gone, the river is wild, and no one can cross." Madhav broke down and prayed with tears, "Bappa, you are Vighnaharta. If not you, who else will help me?"

That night, while people slept, something strange happened. By morning, the villagers saw a line of huge banana tree trunks neatly floating across the raging river — forming a natural bridge. Nobody knew how they had come together so perfectly.

The bride's family crossed, the wedding took place, and when the ceremony was over, the trunks quietly drifted apart and disappeared downstream.

People said it was no miracle of chance. It was Bappa himself who removed the obstacle, proving once again why he is called Vighnaharta — the remover of all hurdles.

Lesson: When faith is pure and heart is honest, Ganesha removes even the biggest barriers in life in ways beyond our imagination.

-- VARTIKA JOSHI
CSE Dept , Kanya Gurukula



STUDENT'S PLACEMENT

Congratulations to **Dhiraj Kumar** from Computer Science & Engineering (CSE) Department for getting Placement in **Qspiders training incubation**.

Congratulations to **Yash Sehgal** from Computer Science & Engineering (CSE) Department for getting Placement in **Qspiders training incubation**.

Congratulations to **Mannu Jogi Singh** from Computer Science & Engineering (CSE) Department for getting Placement in **Qspiders training incubation**.

Congratulations to **Lavish Kumar Varshney** from Computer Science & Engineering (CSE) Department for getting Placement in **Qspiders training incubation**.

Congratulations to **Rajnish Yadav** from Computer Science & Engineering (CSE) Department for getting Placement in **Qspiders training incubation**.

Congratulations to **Manish Kumar** from Computer Science & Engineering (CSE) Department for getting Placement in **Qspiders training incubation**.

Congratulations to **Devansh** from Computer Science & Engineering (CSE) Department for getting Placement in **Qspiders training incubation**.

Congratulations to **Yash Dwivedi** from Computer Science & Engineering (CSE) Department for getting Placement in **Qspiders training incubation**.

Editorial Team:

Dr. Suyash Bhardwaj
Mr. Aman Tyagi
Mr. Prashant Kaushik
Mr. Abhishant Sharma