VOLUME 2 ● ISSUE 2 ● APRIL - JUNE 2024





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

### A Newsletter from

### Department of Computer Science &

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

### **SECTION OF THE PROPERTY OF TH**

Greetings to the faculty, students, and esteemed readers,

Once again, I am delighted to present the new edition of our departmental magazine, highlighting the remarkable events and achievements of the Computer Science and Engineering (CSE) department, Faculty of Engineering and Technology (FET), Gurukula Kangri University, Haridwar. The edition captures the major events and achievements during the period of April to June 2024. This period has been marked by a range of dynamic activities, reflecting our commitment to academic excellence and our proactive role in the national missions of Skill India.

Our department organized a series of workshops, seminars aimed at equipping our students with cutting-edge skills. . Teams worked tirelessly on innovative projects, addressing real-world problems with creative technological solutions. These event, besides upgrading their technical skills also fostered teamwork, problem-solving abilities, and entrepreneurial thinking. The college also was a site of visit and learning by the students of schools in the city. An interaction event was organised with a visiting team of Indian Air Force. The team was lead by Wing Commander Rakesh, and inspired students to serve the society and nation with zeal and professionalism. World Environment Day was organized on 5th June. The event comprised of tree plantation drive.

Our department is dedicated to fostering a culture of continuous learning and innovation. We encourage our students and faculty to actively participate in skill-building initiatives, environment related activities, internships, and industry collaborations. These efforts not only enhance individual competencies but also contribute to the broader goal of transforming India into a global technology hub.

As we move forward, I urge every member of our department to embrace the opportunities for upskilling and innovation. Let us leverage the resources and platforms available to us to build a robust skill set, drive technological advancements, and contribute meaningfully to our nation's development. By doing so, we embody the spirit of a shining FET in New India—an FET that is synonymous with excellence, innovation, and a relentless pursuit of knowledge.



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

# RESEARCH & OTHER ACTIVITIES FACULTY

- Mrs. Nilima Patel, Mrs. Anjali Arora & Prof. Mayank Aggarwal published a paper on "Evaluating simulation tools for securing sensor data with blockchain: A comprehensive analysis ", Measurement: Sensors (Scopus), Online ISSN 2665-9174, Vol 33, June 2024.
- Mr. Namit Khanduja & Dr. Nishant Kumar published a paper on "Telugu language hate speech detection using deep learning transformer models: Corpus generation and evaluation" in Elsevier (Science Direct) in April 2024.
- Dr. Suyash Bhardwaj attended Faculty Development Program on "Recent Research Trends on AI and ML in Interdisciplinary Domain" organized by the department of Computer Science and Engineering, Haldia Institute of Technology, Haldia, West Bengal from 13 may 2024 to 17 may 2024.
- Dr. Suyash Bhardwaj Published a book chapter on "Enhancing Customer Targeting in E-Commerce and Digital Marketing through AI-Driven Personalization Strategies" in Book entitled "Advances in Digital Marketing in the Era of Artificial Intelligence" published by CRC Press, Taylor and Francis group. ISBN 9781003450443.

### **LECTURES DELIVERED**

### >>>> TITLE: EXPLORING AI USING IBM WATSON

A one-day national workshop on 'Exploring AI using IBM Watson' was organized by the Himalayan School of Science and Technology (HSST) at Swami Rama Himalayan University (SRHU), Jolly Grant. The objective of the workshop was to empower students with hands-on experience and ethical insights to unleash the transformative potential of AI through IBM Watson technology.

The workshop featured Dr. Mayank Aggarwal, Head of the Department of Computer Science & Engineering at Gurukul Kangri University, as the keynote speaker. Throughout the workshop, Dr. Aggarwal provided invaluable insights into AI's significant contributions, focusing on IBM's Watson technology as a cornerstone of innovation and progress in the evolving technological landscape.

The event was graced by distinguished guests including Dr. Vijendra D. Chauhan, Director General (Academic Development) SRHU, and Dr. Pramod Kumar, Principal of HSST, along with senior professors, faculty members, and students from all programs. Dr. Vijendra D. Chauhan discussed the profound impact of artificial intelligence in today's digital era, highlighting avenues for student contributions in developing AI-powered tools, smart healthcare systems, and data analytics for improved patient outcomes. Dr. Pramod Kumar, as the Principal of HSST, emphasized limitless innovation and the importance of embracing new technologies to navigate future challenges.

The workshop included engaging sessions and practical demonstrations, enabling students to gain an inclusive understanding of AI and its applications. Equipping students with practical knowledge and skills in AI is essential for their future success in academia and industry.

A heartfelt vote of thanks was delivered by Dr. Pramod Kumar, Principal of HSST, on behalf of the organizing committee, acknowledging the successful organization and the valuable insights shared during the workshop.

This workshop was a pivotal step in fostering a culture of continuous learning and innovation among students, aligning with the university's commitment to excellence in education and technological advancement.

Unlock the power of technology to revolutionize learning





# Department of Computer Science & Engineering Quarterly Newsletter - April - June, 2024



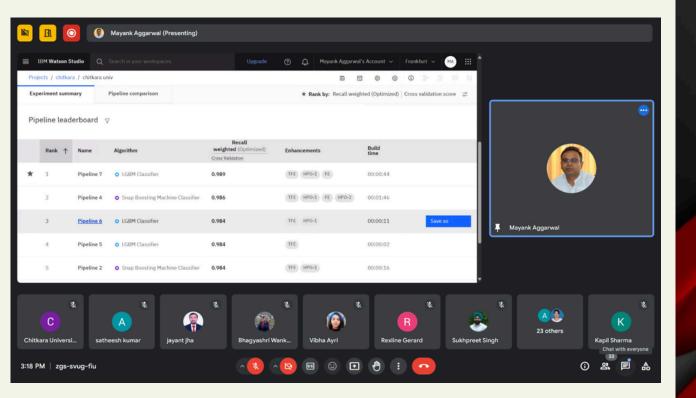


# >>>>> TITLE: USE OF AI IN HIGHER EDUCATION SYSTEM AND HANDS ON WITH IBM WATSON

Dr. Mayank Aggarwal, Head of the Department of Computer Science & Engineering at Gurukul Kangri University, delivered an invited lecture (online mode) on "Use of AI in higher education system and Hands on with IBM Watson" on 24 April 2023 by providing invaluable insights into AI's significant contributions in the higher education system, focusing on IBM's Watson technology as a cornerstone of innovation and progress in the evolving technological landscape. The lecture included engaging session and practical demonstrations to gain an inclusive understanding of AI and its applications in academia and in the higher education system which can boost the overall quality of the Indian Education System and can compete on the world stage with the other developed countries.









### FELICITATION PROGRAM OF THE GATE 2024 QUALIFIED STUDENTS ON APRIL 27 2024













### >>>> Students from Ma Anandmaye Memorial School Visited FET, GK(DU)

Around 30 Students and faculty members from Ma Anandmaye Memorial School Visited FET on 30 April 2024 to visit the Computer Lab, Mechanical Lab, ECE lab, and EE lab to study and observe the various present in the lab. The event was instruments coordinated by Dr. Suyash Bhardwaj and Dr. Devendra Singh from Applied Science, Mr. Prateek Aggarwal from ECE, Mr. Yogesh Kumar from EE, Mr. Praveen Pandey from ME helped in successful event planning and coordination. The event was a great success.







### Indian Air Force Interaction program

In a transformative interaction program held at the Faculty of Engineering and Technology of Gurukul Kangri Deemed University, students had the privilege of connecting with an esteemed team of the Indian Air Force comprising Wing Commander Rakesh, Squadron Leader Akshit Sharma, Flight Lieutenant Ravikant Rajeev and Flying Officer Nitin Bisht were involved. Wing Commander Rakesh enthralled the audience with his passionate address. From his extensive experience, he clearly painted a picture of the opportunities and challenges awaiting those who dare to join the Indian Air Force. With conviction, he urged the students to consider the sky not merely as a canvas for flight but as a realm of service and respect.

He underlined the vital need for technocrats imbued with unwavering moral values, seamlessly connecting with the iconic motto of Gurukul Kangri. Professor Vipul Sharma, Dean of the Faculty of Engineering and Technology, gave a grand welcome to the honored guests. In his opening remarks, he clearly underlined the indelible mark left by the Indian Air Force on the canvas of national defense and security. His words served as a lighthouse, guiding students to a deeper appreciation of the profound impact they can make through a career in the Defense Forces. With a blend of knowledge and enthusiasm, Dr. M.M. Tiwari called upon the students to play their role as architects of the destiny of the country. Through his inspiring discourse, he instilled in them a sense of duty and purpose, and urged them to actively participate in the great endeavor of nation-building. He inspired all the students to join the Indian Army with Jai Ghosh of Nation Paramount.

Prof. Somdev Shatanshu, Vice Chancellor, Gurukul Kangri Samaj Vishwavidyalaya, in his presidential address said that it fills me with immense pride and joy to address such a gathering of bright minds and ambitious hearts. Our University stands as an epitome of knowledge, guiding individuals towards excellence and enlightenment. He told the students that they are the creators of tomorrow, the guardians of change and the bearers of our collective hopes and aspirations. Accept every challenge as an opportunity for growth, and make the values of honesty, compassion, and perseverance your guiding light.

Dr. Sunil Kumar, Registrar Gurukul Kangri Samaj Vishwavidyalaya said that the presence of the students here today is a proof of their dedication, perseverance and unwavering commitment towards excellence. In the pursuit of knowledge, one has to face obstacles and setbacks, but remember that it is through adversity that we discover our true strength. As you set out on this transformative journey, I urge you to take advantage of every opportunity that comes your way, embrace diversity and cultivate that thirst for knowledge. Let us together maintain the values of academic rigor, intellectual curiosity and community engagement that define our university.

Dr. Dharmendra Baliyan, the efficient operator of the program, ensured its smooth execution. Behind the scenes, his meticulous planning and tireless efforts laid the foundation for an experience that will leave an indelible mark on the minds of students. Dr. Suyash Bhardwaj expressed his gratitude to the team for their dedication towards the security of the nation and presented a formal vote of thanks More than 100 students attended the program and the presence of esteemed faculty members including Dr. Suyash Bhardwaj, Dr. Tanuj Garg, Dr. Gorav Malik and Dr. Ashish Nainwal along with Mr. Apoorv Kaushik and Mr. Amrish added depth and variety to the program. Their collective wisdom and encouragement served reinforce the message of inspiration and possibility, boosting the aspirations of the budding technocrats in attendance.









# छात्र भविष्य के निर्माता और संरक्षक : सोमदेव



कार्यक्रम में अतिथियों के साथ छात्र।

हरिद्वार, 14 मई (कुलभूषण) : गुरुकुल कांगड़ी सम विश्वविद्यालय के इंजीनियरिंग और प्रौद्योगिकी संकाय में आयोजित कार्यक्रम में छात्रों को भारतीय वायु सेना की टीम के साथ जुड़ने का अवसर मिला। टीम में विंग कमांडर राकेश स्क्वाड़न लीडर अक्षित शर्मा, फ्लाइट लेफ्टिनेंट रविकांत राजीव और फ्लाइंग ऑफिसर निर्तिन बिष्ट शामिल थे।

आसमान के अनुभवी विंग कमांडर राकेश ने भारतीय वायु सेना में शामिल होने के अवसरों और चुनौतियों को स्पष्ट रूप से अवगत कराया। उन्होंने छात्रों से कहा कि वे आसमान को केवल उड़ान के लिए एक कैनवास के रूप में नहीं बल्कि सेवा और सम्मान के दायरे के रूप में समझें। इंजीनियरिंग और प्रौद्योगिको संकाय के डीन प्रोफेसर वियुल शर्मा ने अतिथियों का स्वागत किया। सम विश्वविद्यालय के कुलपित प्रे सोमदेव शतान्तु ने कहा आज के छात्र कल के निर्माता, परिवर्तन के संरक्षक और हमारी सामृहिक आशाओं और आकांक्षाओं के वाहक हैं। प्रत्येक चुनौती को विकास के अवसर के रूप में स्वीकार करें और ईमानदारी, करुण और द्वता के मूल्यों को अपनी मार्गदर्शक रोशनी बनाएं।

कुलस्थिव डॉ सुनील कुमार ने कहा कि आन खां छात्रों की उपस्थित उनके समर्पण, इड्डा और उन्कृष्टता के प्रति अटूट प्रतिबद्धता का प्रमाण है। ज्ञान की खोज में बाधाओं और असफलताओं का सामना करना पड़ता है लेकिन खद रखना चाहिए कि प्रतिकृत परिस्थितयों के मध्यम सेही हमें अपनी असली ताकत का पता चलता है।

कार्यक्रम का संचालक डॉ. धर्मेंद्र बलियन ने किया। डॉ सुयश भारहाज ने धन्यवाद ज्ञापन प्रस्तुत किया।

## >>>> World Environment Day Celebrated with Plantation Drive at FET, GK(DU), Haridwar

The Faculty of Engineering and Technology at Gurukula Kangri University celebrated World Environment Day by organizing a successful plantation drive on its campus. This initiative was part of commitment the university's ongoing to environmental sustainability and combating climate change. The event was inaugurated by Dean Prof. Vipul Sharma, who addressed the faculty members, stressing the importance of tree planting in mitigating the extreme summer temperatures experienced in the region. Prof. Sharma encouraged every faculty member to plant at least one tree and to care for it as a cherished part of their family. Dr. Suyash Bhardwaj and Dr. Anuj Kumar Sharma played pivotal roles in coordinating the plantation drive. Their efforts ensured a well-organized and smooth execution of the event, resulting in the planting of numerous saplings across the campus.

Significant contributions were also made by Dr. Dharmendra Baliyan, Deputy Estate Officer, Mr. Ashok, Mr. Mukesh and Mr. Sonu, whose dedication and hard work were instrumental in the success of the drive. Their commitment to the cause highlighted the collective effort needed to foster a greener environment. Registrar Prof. Sunil Kumar extended his best wishes to all and emphasized the university's ongoing dedication to environmental stewardship. "The collective effort of planting trees today will yield benefits for generations to come. It is our responsibility to nurture these saplings and ensure their growth".

Vice Chancellor Prof. Ambuj Sharma also commended the initiative, stating, "World Environment Day serves as a crucial reminder of our duty to protect and preserve our natural surroundings. I am proud of our faculty's commitment to this cause and confident that their efforts will make a significant impact." Let us all pledge to continue these efforts and inspire others to join this vital mission." The plantation drive at Gurukula Kangri University stands as a testament to the institution's dedication to promoting environmental awareness and action. The event not only beautified the campus but also reinforced the importance of individual and collective efforts in fostering a sustainable future.

# World Environment Day 5 June 2024 Faculty of Engineering & Technology

# Department of Computer Science & Engineering Quarterly Newsletter - April - June, 2024

### World Environment Day 5 June 2024



Faculty of Engineering & Technology





### पौधारोपण कर विश्व पर्यावरण दिवस मनाया

हरिद्वार ( बदी विशाल )। गुरुकुल कांगड़ी विश्वविद्यालय के इंजीनियरिंग और प्रौद्योगिकी संकाय ने अपने परिसर में पौधारोपण अभियान का सफ्ल आयोजन करके विश्व पर्यावरण दिवस मनाया। यह पहल पर्यावरण स्थिरता और जलवायु परिवर्तन से निपटने के लिए विश्वविद्यालय की चल रही प्रतिबद्धता का हिस्सा थी। कुलपित प्रो. अंबुज शर्मा ने भी इस पहल की सराहना करते हुए कहांकि विश्व पर्यावरण दिवस हमारे प्राकृतिक परिवेश की रक्षा और संरक्षण के हमारे कर्तव्य की एक महत्वपूर्ण याद दिलाता है। मुझे इस उद्देश्य के लिए हमारे संकाय की प्रतिबद्धता पर गर्व है और मुझे विश्वास है कि उनके प्रयास महत्वपूर्ण प्रभाव डालेंगे। उन्होंने कहा कि गुरुकुल कांगड़ी सम विश्वविद्यालय में वृक्षारोपण अभियान पर्यावरण जागरूकता और कार्रवाई को बढ़ावा देने के लिए संस्थान के समर्पण का प्रमाण है। इस कार्यक्रम ने न केवल परिसर को सुशोभित किया बल्कि एक स्थायी भविष्य को बढ़ावा देने में व्यक्तिगत और सामृहिक प्रयासों के महत्व को भी मजबृत किया।

# आज का पौधरोपण भावी पीढ़ियों के लिए लाभकारी

हरिद्वार, 5 जून (कुलभूषण): गुरुकुल कांगड़ीविव के इंनीनियरिंग और प्रौद्योगिकी संकाय परिसर में पौधरोपण अभियान का आयोजन कर विश्व पर्यावरण दिवस मनाया गया। कुलफ्ति प्रो अंबुज शर्मा ने कहा विश्व पर्यावरणदिवस हमारे प्राकृतिक परिवेश की रक्षा और संरक्षण के हमारे कर्तव्य की याद दिलाता है।

कुलसचिव प्रो सुनील कुमार ने कहा कि आज पौथे लगाने का सामृहिक प्रवास आने वाली पीढ़ियों के लिए लापकारी होगा। डीन प्रो विपुल शर्मा ने अत्यधिक गर्मी को कम करने में पीथरोपण के महत्व पर बल दिया। इस अवसर पर डॉ सुयश भारहाज, डॉ अनुज कुमार शर्मा, डॉ धर्मेंद्र बालियान, अशोक मुकेश और सोन् सहित शिक्षक व कमंचरी उपस्थित रहें।



विश्व पर्यावरण दिवस पर पौधा रोपते शिक्षक।

प्राधिकरणके साथ ही विभिन्न संस्थाओं ने पौधरोपण कर पर्यावरण की रक्षा करने का संकल्प लिया।

इधर प्रेस क्लब हरिद्वार के अध्यक्ष

है तो पौधारोपण अधिक से अधिक होना चाहिए। इस दौरान मुकेश वर्मा, बालकृष्ण शास्त्री, नरेश दोवान शैली, राजकुमार पाल, नौशाद खान, अमरीश

### STUDENT PLACEMENT & HIGHER STUDIES

**Congratulations** to **Reshav Mania** from Computer Science & Engineering (CSE) Department for getting Placement in **Hike Education Company.** 

**Congratulations** to **Shivam Kumar Pathak** from Computer Science & Engineering (CSE) Department for getting Placement in **Hexaview Technologies**.

**Congratulations** to **Aditya Kumar** from Computer Science & Engineering (CSE) Department for getting Placement in **Kloudrac Softwares Pvt. Ltd.** 

**Congratulations** to **Himanshu** from Computer Science & Engineering (CSE) Department for getting Placement in **Unified Cloud.** 

**Congratulations** to **Kumar Ritik** from Computer Science & Engineering (CSE) Department for getting Placement in **Unified Cloud.** 

**Congratulations** to **A M Sanjeev** from Computer Science & Engineering (CSE) Department for getting Placement in **Teachnook**.

**Congratulations** to **Vishal Awana** from Computer Science & Engineering (CSE) Department for getting Placement in **Rubico IT Pvt. Ltd.** 

**Congratulations** to **Ayush Kumar Saini** from Computer Science & Engineering (CSE) Department for getting Placement in **Mobiloitte.** 

**Congratulations** to **Ankit Anand** from Computer Science & Engineering (CSE) Department for getting Placement in **Simson Softwares Pvt. Ltd.** 











# Heartiest Congratulations to all the Computer Science & Engineering Graduates

(Batch 2020-2024)

Gurukul Kangri (Deemed to be University) for getting selected and their future endeavour's.

Keep shining and contributing in making #NewIndia #SkillIndia#Startup #Technologies



Sachin Kumar Yaday



Siddharth Yadav GATE SCORE: 57



Satya Prakash Yad



Piyush Kumar GATE SCORE: 1000



Shivam Kumar Pathal GATE SCORE: 324



Mridul Gupta ATE SCORE: 540



ta Chandan Kumar 540 GATE SCORE:



Manish Kumar GATE SCORE: 357



Niranjan Kuma GATE SCORE: 44

intu Kumar Prajapat

Aman Sharma

harma ORE: 523 AIR 1

# अभियांत्रिकी एवं प्रोद्योगिकी संकाय के छात्रों ने लहराया गेट 2024 में परचम

गुरुकुल कांगडी समविश्वविद्यालय में ग्रेज्एट एप्टीट्युड टेस्ट इन इंजीनियरिंग (गेट) 2024 में उत्कृष्ट प्रदर्शन करने वाले छात्रों का सम्मान समारोह आयोजित किया गया जिसकी अध्यक्षता गुरुकुल कांगडी समविश्वविद्यालय के कुलपति प्रोफेसर सोमदेव सतांश ने की इस कार्यक्रम में कंप्यूटर विज्ञान, इलेक्ट्रिकल इंजीनियरिंग और इले क्ट्रॉनिक्स और संचार इंजीनियरिंग सहित विभिन्न विभागों के प्रमुखों उपस्थित थे, जो मेधावी छात्रों को सम्मानित करने में प्रोफेसर सोमदेव सातंशु के साथ शामिल होंगे इंजीनियरिंग और प्रौद्योगिकी संकाय के डीन प्रोफेसर विपल शर्मा ने गेंट परीक्षा में उत्कृष्ट प्रदर्शन के लिए छात्रों को हार्दिक वधाई देते हुए उनके उज्ज्वल और समृद्ध भविष्य की कामना की।

इसके अलावा कंप्यूटर विज्ञान विभाग के प्रमुख प्रोफेसर मयंक अग्रवाल ने भी खत्रों को बधाई दी, जिन्होंने न केवल छात्रों को बधाई दी, बल्कि उन्हें सफलता की और भी अधिक ऊंचाइयों के लिए प्रयास



करने के लिए प्रेरित किया। इलेक्ट्रिकल विभाग के प्रभारी डॉ. गर्जेंद्र सिंह ग्रवत ने छात्रों की उपलब्धियों की सराहना की और उन्हें भविष्य में आशाजनक अवसर तलाशने के लिए प्रोत्साहित किया इसी प्रकार अनुप्रयुक्त रसायन विभाग के प्रभारी डॉ. मुखी मनोहर तिवारी ने विद्यार्थियों को वर्धाई दी और उन्हें आगे सफल करियर बनाने के लिए प्रेरित किया।अपने संबोधन में, गुरुकुल कांगड़ी समविश्वविद्यालय के माननीय क्लपति प्रोफेसर सोमदेव सतांशु ने छात्रों को हार्दिक बधाई दी, और इस बात पर जोर दिया कि उनकी उपलब्धियाँ उनके साथियों के लिए प्रेरणा स्रोत के रूप में काम करती हैं। उन्होंने विश्वविद्यालय के प्रत्येक छत्र और संकाय सदस्य द्वारा उनकी उपलब्धियों पर महसूस किए गए गर्व को दोहराया कार्यक्रम का आयोजन डॉ. धर्मेन्द्र बालियाँ एवं डॉ. सुयश भारद्वाज द्वारा किया गया, जिसमें श्री मयंक पोखरियाल का सक्तिय योगदान रहा, जिससे छत्रों की उपलब्धियों का एक यादगार और सार्थक उत्सव सुनिश्चित हुआ।

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