



स्वामी श्रद्धानन्द
कुलपिता



FACULTY OF ENGINEERING AND TECHNOLOGY
GURUKUL KANGRI (DEEMED TO BE UNIVERSITY), HARIDWAR

Volume:13 (Issue 3-4)

Jan- Nov 2023

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113th Convocation held on March 30, 2023 in which the degrees were given to the students by the Hon'ble Chancellor and Hon'ble Vice-Chancellor. The Chief Guest of the event was Hon'ble Home Minister Sh. Amit Shah ji.



Faculty of Engineering and Technology hosted Grand Fresher Party (THE FLEDEGELING GENESIS) on 30 sept, 2023.



The Faculty of Engineering and Technology hosted the Mechatron Robotics Competition from 11 to 13 October, 2023.

Dear Esteemed Students,

As we commence a new chapter in this Nabhag issue, I extend a warm welcome to each visionary mind within our engineering community. Dive into the riveting accounts of our recent technical event, where students showcased their prowess in robotics, artificial intelligence, and sustainable engineering. Witness the convergence of creativity and technical brilliance that defined this extraordinary gathering of minds. Explore the groundbreaking research and accomplishments of our esteemed faculty members, whose dedication to excellence paves the way for a transformative learning experience.

This edition celebrates the triumphs of our dynamic student community. Engage with the narratives of those who have excelled in various events and competition, From coding competitions to hackathons, witness the ascent of our students to the zenith of technical prowess. I congratulate Heads, Teaching and non-teaching staff, editorial board, and students of the F.E.T. for being active part of this edition of the Magazine (vol.13) Wish you all the best.

Dr. Vipul Sharma (Dean, F.E.T)
Chief Editor



Workshop on Data Analytics Using Advanced Mathematical Tools



"Meri Maati Mera Desh" campaign by NSS- Unit 5.



Student Induction Program



"Yuva Sangam" in Akhil Bhartiya Shiksha Samagam at BHARAT MANDAPAM



NSS- Unit 5 celebrate the Uttarakhand Foundation Day.



Application of Mixed Reality and Internet of Things workshop

Departmental News



1. Prof. Vipul Sharma has been appointed as the Dean of Faculty of Engineering and Technology, GKDU, Haridwar.
2. Department of Mechanical Engineering got an approval from AICTE, New Delhi to start "Diploma in Mechanical Engineering for working Professionals".
3. Dr. Mayank Aggarwal has been awarded a project on "Development of Blockchain Platform (NGBP) for awareness, verification, validation, record keeping and rewarding for cleaning of Holy river Ganga" sanctioned by UCOST in March, 2023.
4. Dr. Gorav Malik and Dr. Ashish Nainwal are awarded their PhD degree from Veer Madho Singh Bhandari Uttarakhand Technical University, Dehradun.
5. Dr. Atul Varshney and Dr. Vivek Arya have completed their PhD from department of ECE, FET, GKVDU, Haridwar.
6. Dr. Sanjeev Lambha, Incharge, Department of Mechanical Engineering has successfully completed his PhD from National Institute of Technology, Kurukshetra on 16 Sept 2023.
7. Dr. Mayank Pokhriyal was awarded with PhD from National Institute of Technology, Uttarakhand at 4th convocation Ceremony held on 4 NOV 2023 at Srinagar (Garhwal), Uttarakhand.
8. Dr. Suyash Bhardwaj Awarded with Best Teacher Award by Motherhood University, Roorkee on the occasion of Teachers felicitation program on 30 April 2023.
9. Dr. Vivek Arya awarded Global Academic Excellence Award 2023 by International confederation of worldwide principals on 5 Sept 2023.
23. Dr. Suyash Bhardwaj awarded with Active SPOC Award for Jan- Apr 2023 Session at NPTEL SPOC Felicitation workshop at IIT Kanpur, U.P. on the date on July 1, 2023 by National program on technology enhanced learning, NPTEL, Govt. of India.
24. IBM invited Prof. Mayank Agarwal for roundtable discussions held at IBM Gurugram on 21 Feb 2023 to discuss how academia and industry can collaborate for mutual benefits. How students can be provided with the courses necessary to build their career in industry, and about IBM Skill Academy.
10. Mr. Anuj Kumar Sharma published a paper titled "design and implementation of a smart traffic management system using internet of things (IOT) technology" in European Chemical Bulletin (Scopus), October 2023, ISSN-2063-5346.
11. Dr. Atul Varshney, Prof. Vipul Sharma published a paper titled "Notch-band Eliminator Wideband CSRR Loaded Monopole Fractal Antenna for ISM and PCS Communications." in World Journal of Engineering, May 2023.
12. Dr. Atul Varshney, Prof. Vipul Sharma published a paper titled "Aerodynamic slotted SIW-to-MS line transition" in World Journal of Engineering, April 2023.
13. Dr. Atul Kumar Varshney published a paper titled "On the Design of Miniaturized C-shaped Antenna Based on Artificial Transmission Line Loading technique" in Journal of Electromagnetic Waves and Applications, May 2023.
14. Dr. Atul Varshney, Prof. Vipul Sharma published a paper "Next-Generation MS-to-RWG Interconnects for Microwave and mm-Wave Communications Using Microstrip Antenna as RF Energy Launcher @ 140 GHz" in Journal of The Institution of Engineers, May 2023.
15. Mr. Amrish published a paper titled "Performance evaluation of ANFIS, ANN and RSM in biodiesel synthesis from Karanja oil with Domestic Microwave set up" in Multimedia tools and applications, April 2023.
16. Dr. Atul Varshney published a paper titled "A Critical Review on Challenges and Limitations in Artificial Intelligence-Based e-Health Applications" in Engineering Technology Open Access Journal, May 2023.
17. Dr. Atul Varshney published a paper titled "Hybrid $\beta\Omega$ -Indexing Fractal Slotted Multiband Antenna for Electronics Wireless Sensor Applications" in Journal of Electronics, Electromedical Engineering, and Medical Informatics, April 2023.
18. Dr. Atul Varshney, Prof. Vipul Sharma published a paper titled "A Low-Loss Impedance Transformer-Less Fish-Tail-Shaped MS-to-WG Transition for K-/Ka-/Q-/U-Band Applications" in Electronics, January 2023.
19. Dr. Vivek Arya published a paper titled "High Gain and Wide-Angle Continuous Beam Scanning SIW Leaky-Wave Antenna" in Electronics, January 2023.
20. Dr. Vivek Arya published a paper titled "SIW Leaky Wave Antenna for THz Applications" in Electronics, April 2023.
21. Dr. Vivek Arya published a paper titled "Modeling of Satellite-to-Underwater Integrated FSO-PON System Using NOMA-VLC" has been published in Symmetry, 2023.
22. Mr. Prateek Agarwal & Dr. Tanuj Kumar Garg published a paper titled "Analysis of 3D NoC Router Chip on Different FPGA for Minimum Hardware and Fast Switching" in National Academy Science Letters, June 2023.
23. Mr. Prateek Agarwal & Dr. Tanuj Kumar Garg published a paper titled "2 D Router Chip Design, Analysis and Simulation for Effective Communication" in The International Journal of Informatics and Communication Technology(IJ-ICT), July 2023.
24. Mr. Prateek Agarwal & Dr. Tanuj Kumar Garg published a paper titled "Electronics Hardware Chip Design for Router-Router Communication" in Proceedings of the National Academy of Sciences, India Section A: Physical Sciences (SCI), September 2023.
25. Dr. Vivek Arya published a paper titled "Enhancing Performance of Millimeter Wave MIMO Antenna with a Decoupling and Common Defected Ground Approach" has been published in Technologies Journal.
26. Dr. Vivek Arya published a paper titled "Efficient Model based on Deep Learning for the Classification of Dementia" has been published in International Journal on Recent and Innovation in Computing and Communication.
27. Dr. Mayank Aggarwal delivered two insightful invited talks on "Block Chain & Cloud Computing" and "Blockchain" during the Uttarakhand Science Outreach and Technology Sangam Program. The event, organized at Almora by UCOST (Uttarakhand Council for Science and Technology) and Almora District Administration on 20th May 2023.
28. Dr. Mayank Aggarwal's influential research, in collaboration with Kanika Agrawal, led to the publication of a significant paper, "Blockchain Applications in Healthcare: Recent Advancements," presented at the prestigious IEEE Xplore Conference in August 2023.

Departmental News



29. Dr. Vivek Arya published a paper titled “Flat Ball Topology basics Multi-transceivers 100km/2.5Tbps Gigabit-Ethernet PON Architecture for Energy Efficiency in Data Centers” has been published in Transactions on Emerging Telecommunications Technologies.
30. Dr. Vivek Arya published a paper titled “Wheel based 5G fronthaul/backhaul hybrid MDM-NGPON/FSO system under Gamma Gamma turbulence and weather effects” has been published in International Journal of Communication Systems, Wiley.
31. Mr. Anuj Kumar Sharma, Prof. Vipul Sharma & Dr. Atul Varshney Presented a conference paper titled “The Vedic Tradition of Engineering” in National Conference on Knowledge, Cultural Traditions & Practices of India on 30 May 2023.
32. Mr. Anuj Kumar Sharma, Prof. Vipul Sharma & Dr. Atul Varshney Presented a conference paper titled “Findings of Science and Engineering in Vedic Era” in National Conference on Knowledge, Cultural Traditions & Practices of India on 30 May 2023.
33. Dr. Atul Kumar Varshney Presented a conference paper titled “An offset fed Double Symmetric Koch Fractal Antenna for Sub-6GHz and S-Band Applications” in Recent Advances in Communicative Electronics (NCRACE 2023)) on 10 March 2023.
34. Dr. Vivek Arya Presented a conference paper titled “A Novel Mobile App based College Event Management System,” presented in Conference: International Conference on Smart Electronics and Communication (ICOSEC 2023) and published (Scopus).
35. Dr. Vivek Arya Presented a conference paper titled "Emerging next generation hybrid PON-VLC system: A review, applications and challenges," presented in 5th International Conference on Contemporary Computing and Informatics (IC3I), IEEE, Uttar Pradesh.
36. Dr. Vivek Arya Presented a conference paper ‘The transdisciplinary association between online learning and the social well-being of undergraduate students’ has been presented 14th International Istanbul Scientific Research Congress On Humanities And Social Sciences 2023 in Istanbul, Turkiye.
37. Dr. Vivek Arya Presented a conference paper titled ‘Investigation of VLLC-OCDM System for Intelligent Transport Applications’ has been presented in 3rd Asian International Conference on Innovation in Technology PCCOER 2023, India.
38. Dr. Ashish Nainwal, Mr. Amrish & Dr. Gorav Kumar Malik presented a conference paper titled “An offset fed Double Symmetric Koch Fractal Antenna for Sub-6GHz and S-Band Applications” in 2023& published in IEEE Xplore, June 2023.
39. Mr. Parteek Agarwal Presented a conference paper titled “Router-Router Switching Communication and Logic Verification with Configured Hardware Chip” in IEEE International Conference on Computer, Electronics & Electrical Engineering and their applications (IC2E3).
40. Dr. Vivek Arya filed an Indian Patent titled “An Annular Ring Microstrip Antenna and A Method For Forming The Same” and granted in April 2023, Patent Number- 428550.
41. Dr. Vivek Arya delivered a lecture “Intellectual Property Rights” organized by Madhav Institute of Technology & Science, Gwalior, on 20 Jan 2023.
42. Dr. Vivek Arya delivered a lecture titled “SIW Leaky Wave Antennas for Beam Scanning Applications” organized in IMDCT IST by American University of Nigeria. on 25 Oct 2023.
43. Dr. Vivek Arya delivered a lecture titled “Role of IPRs in Academia and Industries” in 1st Technical Symposium 2023.
44. Dr. Vivek Arya delivered a lecture “Latest Trends in Computing” in 1st Technical Symposium 2023, organised by Thapar University & IIU.
45. Dr. Gorav Kumar Malik, Dr. Ashish Nainwal & Mr. Amrish published a book chapter titled “Arm Fracture Detection using deep convolution neural network” in Recent Advances in Materials and Manufacturing Technology by Springer, June 2023.
46. Mr. Anuj Kumar Sharma published a book chapter titled “Active and Passive Metamaterials and Metasurfaces ” in Metamaterial Technology and Intelligent Metasurfaces for Wireless Communication Systems by IGI Global Publishing, August 2023.
47. Dr. Ashish Nainwal, Dr. Gorav Kumar Malik, Mr. Amrish, Mr. Anuj Kumar Sharma & Dr. Vivek Arya attended a STP a titled “Cloud Application Development using Red Hat Open Shift” organized by Department of CSE, FET, GKDU collaboration with IBM on 25 Sep, 2023.
48. Dr. Ashish Dhamanda, Arunesh Dutt, "Dynamic Response of Multi Area Load Frequency Control through Different Computational Techniques", Indian Journal of Science and Technology.
49. Mr. Brijesh kumar, Kanwarjit Singh Sandhu, Rahul Sharma published a paper “Comparative Analysis of Control Schemes for DFIG-Based Wind Energy System” J. Inst. Eng. India Ser. B (April 2022) .
50. Patent name “A Cloud computing enabled 5G wireless sensor network comprises IOT sensor for smart city implements”. Published on 10/02/2023. Application no. 202311007184A. by Mr. Brijesh Kumar, Mr. Yogesh Kumar.
51. Republic of south Africa granted a patent in respect of an invention describe and claimed in complete specification deposited at the patent office under the number 2022/08579 by Mr. Gajendra Singh Rawat.
52. Mr. Ashish Dhamanda participated in the “Advanced Material Characterization Technique” organized by the Department of Metallurgical Engineering, School of engineering, OPJU Raigarh on date 7-11 Nov 2022.
53. Mr. Brijesh Kumar and Mr. Bipin kumar Nishad has attended short term course on Control, Operation and Management of Renewable of Energy Integrated power system organised by Department of Electrical Engineering NIT Kurukshetra during 23-27 June 2023.
55. Dr. Sunil Kumar was awarded with a patent on “3D printer with toolbox drawer” on 25 Jan 2023 (Application no 349046-001).
56. Dr. Mayank Aggarwal, Ms. Kanika Aggarwal published a paper on "My Easy Healthcare- An efficient and secure three-tier blockchain-based healthcare system" in ESCI, Scopus indexed Journal.
57. Mr. Deepak Painuli presented a paper entitled “Gene Expression Microarray based diagnosis of Central Nervous System (CNS) Cancer using Machine Learning methods” in International Conference on Recent Advancement and Innovation in Engineering and Technology (RAIET-2023) organized by MUIT, Lucknow on 24 & 25 Feb 2023.
58. Dr. Mayank Aggarwal, delivered an Talk on “Research Methodology” in USERC Sponsored Workshop conducted by UETR, Roorkee on 28/2/23.
59. Dr. Mayank Aggarwal published patent "System and Method For Reporting Information Related To Drug Trafficking Anonymously" in May 2023.

Departmental News



60. Dr. Mayank Agarwal delivered the keynote session at the Faculty Development Program on Recent Advances in Computer Science and Allied Domains (RACSAD-2023) in Sharda University.
61. Dr. Suyash Bhardwaj Published a paper on "Digital Transformation for Rural Empowerment: Exploring ICT in E- Governance and Development" in Mukta Shabd Journal, IJOURNAL Volume XII, Issue 6, JUNE 2023.
62. Mr. Deepak Painuli and Dr. Suyash Bhardwaj Published a paper on "Optimized Diagnosis of Central Nervous System (CNS) Cancer Using Gene Expression Microarray & Machine Learning (ML) Methods" in European Chemical Bulletin, Scopus Indexed, July 2023.
63. Dr. Suyash Bhardwaj attended industrial Training in HEISYS, Dehradun during 24 July 2022 to 07 August 2023.
64. Dr. Suyash Bhardwaj, Dr. Nishant Kumar, Mr. Namit Khanduj, Mr. Aman Tyagi, Dr. Aman Tyagi, Mr. Vivudh Fore, Mr. Sumit Bansal, Mr. Deepak Painuli and Mr. Ashwani from the Department of CSE engaged in a one-week Faculty Development Program (FDP) focused on "Cloud Application Development using Redhat Openshift Engineering" This collaborative initiative, organized by the Department of CSE, FET, GK(DU), Haridwar, in collaboration with IBM Skills Build in September 2023.
65. Mr. Namit Khanduja published a paper titled "Automatic Laptop Purchase System Based on Case Base Reasoning Technique in the International Journal of Business Forecasting and Marketing Intelligence (IJBFMI).
66. Mr. Sumit Bansal Published a paper on "Performance evaluation of ANFIS and RSM in modeling biodiesel synthesis from soybean oil" in Biosensors and Bioelectronics in Sept 2023.
67. Mr. Sumit Bansal Published a Book Chapter in Taylor & Francis on "Random Cloudlet Priority Scheduling: An Enhanced Approach", 09-23.
68. Dr. Mayank Agarwal delivered expert lecture on "Blockchain Technology Learning" at COER University. While interacting with the students on the topic, he cleared the fog over cryptocurrency and block chain.
69. Dr. Suyash Bhardwaj Delivered an invited talk on "ICT tools for Effective Teaching" in National FDP on "Rethinking Teaching Pedagogy in Commerce and Management" held during 3-7 July, 2022 organized by Sushant University, Gurugram, India on 3 July 2023.
70. Dr. Sanjeev Lambha published a research article entitled "Micropolar lubricant effects on the performance of partial journal bearings" Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2023, p. 208-210.
71. Dr. Sunil Kumar published a research article entitled "Performance evaluation of ANFIS, ANN and RSM in biodiesel synthesis from Karanja oil with Domestic Microwave set up". Multimedia Tools and Applications.
72. Dr. Sunil Kumar published a research article entitled "Application of response surface methodology for the optimization of biodiesel production from Jatropha-algae oil blend".
73. Dr. Sunil Kumar published a research article entitled "Comparative study using RSM ANN and SVM modelling for Biodiesel production from Karanja oil by developed microwave set up".
74. Mr. Kapil Dev Sharma published a research article entitled "Effect of different inoculum and substrate inoculum ratios on biogas yield for anaerobic digestion of organic fraction of solid waste". Agrociencia Journal.
75. Mr. Kapil Dev Sharma published a research article entitled "Effect of different inoculum and substrate inoculum ratios on biogas yield for anaerobic digestion of organic fraction of solid waste", September, 2023.
76. Dr. Mayank Pokhriyal published a research article entitled "Effect of alkali treatment on novel natural fiber extracted from Himalayacalamus falconeri culms for polymer composite applications". Biomass Conversion and Biorefinery, 1-17.
77. Mr. Rishi Kumar Prajapati Published book on Supply Chain Management (ISBN: 978-93-94304-93-2), GCS Publishers India.
78. Mr. Kapil Dev Sharma attended One Week FDP on "Entrepreneurship & Innovation" from 26th June to 1st July 2023, organized by IIMT Engineering College, Meerut, India.

Events Organized:

1. One day workshop on "Teaching and Learning Methods in Science and Technology" is organized on 9 January 2023.
2. Faculty of Engineering and Technology, GKDU, Haridwar, hosted the Mechatronics Robotics Competition from 11 to 13 October, 2023.
3. The Department of Applied Science in collaboration with Uttarakhand Science Education and Research Centre has conducted a workshop on Data Analytics Using Advanced Mathematical Tools during March 13-18, 2023. The workshop was attended by 85 participants from 31 institutions all across the country.
4. The Department of Computer Science and Engineering, conducted a comprehensive Faculty Development Program (FDP) from September 25, 2023, to September 29, 2023, focusing on the topic of "Cloud Application Development with Red Hat OpenShift." sponsored by IBM and powered by smart interns.
5. An event "The Art of CV writing and Interview skills" was organized on 25th September 2023. The keynote speaker is Mr. Yogesh Arya, Quality professional at Anchor consumers Pvt. Ltd.
6. The 2nd year students of ECE went for industrial visit to Anchor, Panasonic Haridwar plant on 30 May 2023 with Mr. Prateek Agarwal & Dr. Vivek Arya.
7. Two day workshop/Hands on Training on VLSI Design & Chip Manufacturing organized on 16th & 17th Nov 2023 for students. The resource Person was Dr. Pankaj Pal, Assistant Professor, NIT Uttarakhand.
8. The Faculty of Engineering and Technology hosted grand fresher party (THE FLEDEGELING GENESIS) on 30 Sept, 2023.
9. A workshop on PLC and SCADA with the team of CETPA InfoTech Pvt. Ltd. organized by Department of Electrical Engineering, Faculty of Engineering and Technology, Gurukula Kangri (deemed to be University) Haridwar on 13 April

Events Organized:

- 10.A workshop organized on electronics devices and its applications for diploma student department of electrical engineering in collaboration with department of electronics engineering on 18 April 2023.
- 11.An industrial visit to Hindustan Natural Glass, Rishikesh is being organized by department of Electrical Engineering on 05/06/2023 coordinated by Mr Yogesh Kumar, Mr. Brijesh Kumar and Mr. Gaurav Kumar.
- 12.Dr. Mayank Aggarwal acted as Coordinator for Technology Sangam held under Uttarakhand Science Congress by UCOST, Dehradun. Dr. Suyash Bhardwaj was the Co-coordinator.
- 13.The "Pledge for Life: Expertise in Environmental Conservation "program launched on May 17, 2023, with a mission to promote sustainable practices. Led by Dr. Suyash Bhardwaj.
- 14.The Google Developer Student's Club (GDSC) meeting was successfully conducted on the 7th of August 2023, exemplifying a virtuous gathering. The event garnered enthusiastic participation from numerous students.
- 15.A 3-day workshop on "Mixed Reality and IoT in Uttarakhand" took place at FET, GKDU, with collaboration from Techno Hub Labs, Dehradun, and sponsorship by Uttarakhand Science Education and Research Centre (USERC) from Aug 1 to 3, 2023
- 16.Student Induction Program for all Departments, Faculty of Engineering & Technology (FET) , Haridwar conducted in August 2023.
- 17.Ingenium 2023, a lively event by the Communicode Club from September 12th to 15th, started with a workshop on Drone Tech led by Mr. Alok Tomar, associated with the Ministry of Electronics and Information Technology, shared his expertise in drone technology.
- 18.Department of Computer Science and Engineering, conducted a Workshop on Generative AI,by Dr. Mani Madhukar, an IBM specialist with over 15 years of experience in the field, took place at F.E.T, G.K(D.U) on the 29th of September, 2023.
- 19.IBM Faculty Felicitation Event New Delhi organized by IBM on 9th Oct 2023 various faculty members of FET were felicitated by IBM.
- 20."Meri Maati Mera Desh" campaign is celebrated on 13th Oct 2023 as a culminating event of 'Azadi Ka Amrit Mahotsav' by NSS (Unit-5)
- 21.The Faculty of Engineering and Technology National Service Scheme (NSS- Unit 5), celebrate the Uttarakhand Foundation Day.
- 22.National Service Scheme (NSS- Unit 5), organize the campus cleanliness drive on 01 October 2023.
- 23.Under the aegis of Azadi ka Amrit Mahotsava, Ek Bharat Shreshtha Bharat Club, FET, Gurukula Kangri (Deemed to be University), Haridwar & Indian Red Cross Society a blood donation camp was organized on May 01, 2023 at FET. A total of 61 unit blood were donated by Faculty members, staff and students.
- 24.Student of FET has participated in "Yuva Sangam" in Akhil Bhartiya Shiksha Samagam 2023, held from July 29th to July 30th, 2023 at the Bharat Mandapam, New Delhi. The event, was jointly organized by the Ministry of Education, Government of India, and the Ministry of Skill Development and Entrepreneurship, India.
- 25.Student of FET planted saplings under Mission Life program in FET campus. To celebrate the success of 75 years of independence through the Azadi ka Amrit Mahotsav initiative A total of 75 saplings of different varieties were planted in the campus On Aug 12, 2023.
- 26.The students of FET has participated in 'My Language My Signature Campaign'. The program was organized under the title 'Bhasha Anek Bhav Ek' in which students from different states of the country participated in the faculty. on October 3, 2023.
- 27.On October 31, 2023 Students of FET celebrated the birth anniversary of Sardar Vallabhbhai Patel as "National Unity Day. A special pledge-taking ceremony were also held to honor the legacy of Sardar Patel, the 'Iron Man of India.'
- 28.Gurukula Kangri (Deemed to be University), Haridwar had observed Vigilance Awareness Week on the theme "Say no to corruption; commit to the nation" from October 30 to November 5,2023.
- 29.Department of Applied Science had conducted Regional Mathematical Olympiad organized by the Homi Bhabha Centre for Science Education (HBCSE) on behalf of the National Board for Higher Mathematics (NBHM) of the Department of Atomic Energy (DAE), Government of India at Faculty of Engineering & Technology on October 29, 2023. A total of 42 selected students from all over the state had participated in that event.
- 30.Dr. Sanjeev Lambha acted as coordinator in an online lecture series on "world science Day for peace and Development" organized by Department of Mechanical Engineering & ISCA Haridwar Chapter which was scheduled on 10 Nov, 2023.
- 31.Mr. Kapil Dev Sharma coordinated a 30 Days softwaretraining on "Solid Works Software was organized by Department of Mechanical Engineering in association with CAD Planet, Haridwar in during September 2023. Around 25 students participated in training program.
- 32.Swami Shraddhanand science model exhibition was organized by Department of Mechanical Engineering & ISCA Haridwar chapter. Around 20 team from 15 school from Haridwar district participated in the event.
- 33."Accelerators/Incubation opportunities for students and faculties-Early stage Entrepreneurs" which was organized by Innovation cell of IIC, Gurukula Kangri (Deemed to Be University) Haridwar, on 19 August 2023
- 34.Innovation Prototype Validation-converting into a Start-up". One day workshop was organized by Innovation cell of IIC, GK(DU) Haridwar, on 23 August 2023.
- 35.On the occasion of National Technology Day, Department of Mechanical Engineering in association with ISCA organized Poster Competition on the theme "75 Years of Technology in India" on 9/5/2023.
- 36.An industrial field visit to Kirby Building Solutions, Haridwarwas scheduled on 28.04.2023by Department of Mechanical Engineering, (IIC) and CAOC in order to bridge the gap between academia and industry.
- 37.An Industrial Visit to Chilla Hydro Electric power plant was scheduled on 14 March 2023 by Department of Mechanical Engineering. A total of around 56 students (II nd& III rd) were present during the visit

Events Organized:



Teaching and Learning Methods in Science and Technology Workshop



"Cloud Application Development with Red Hat OpenShift."
sponsored by IBM



One Week Student Induction Program (2023)



The Google Developer Student's Club (GDSC) Meeting



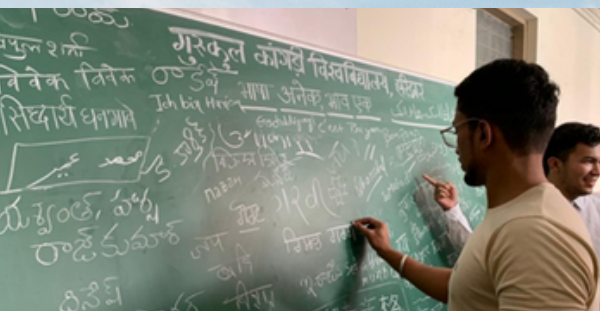
3D printing Technology workshop BY USERC



A workshop on PLC and SCADA with the team of CETPA InfoTech Pvt. Ltd.



An industrial visit to Hindustan Natural Glass, Rishikesh



Students of FET has participated in 'My Language My Signature Campaign'.



The event "The Art of CV Writing and Interview skills"



Workshop/Hands on Training on VLSI Design & Chip Manufacturing



Pledge for Life: Expertise in Environmental Conservation Program



IBM invited Prof. Mayank Agarwal for roundtable discussions held at IBM Gurugram



Industrial visit at Anchor, Panasonic, Haridwar

Student Achievement

- 1.Chirag Patel (student 2019-23). Chirag's recent achievement includes the publication of an Indian Patent titled "System Method for Reporting Information Related to Drug Trafficking Anonymously." This innovative real-world cross-platform application aims to enable the anonymous sharing of trafficking-related information without compromising user credentials.
- 2.Harsh Walia, a remarkable student, has been bestowed with prestigious award recognition for his outstanding service as the Google Developer Student Club (DSC) Lead throughout the 2022-2023 academic year. His dedication and exceptional leadership have played a crucial role in fostering a vibrant community of aspiring developers and tech enthusiast.
- 3.Ankit Anand, a talented member of our 2020-24 CSE batch, has created an innovative project that addresses the need for song recommendations based on mood. His project involves developing a chatbot, named Alex, using Python and machine learning algorithms. By integrating IBM emotional API and Last.fm API, the chatbot analyses the emotional tone of conversations and recommend songs accordingly.
- 4.Piyush Kumar (CSE), and Rahul kumar (ECE) students from Batch 2020-24 has recently achieved a remarkable milestone by securing an impressive All India Rank of 530 and 595 respectively in the highly competitive Graduate Aptitude Test in Engineering (GATE) 2023.
- 5.A M Sanjeev from Batch 2020-2024 achieved a proud milestone by earning a coveted spot at Stanford University's "Code in Place" program, is an accomplishment that reflects his dedication to learning and passion for technology. Selected from among numerous applicants, A M Sanjeev's achievement speaks volumes about his budding talent and potential.
- 6.Shivam Dixit, a promising student from Batch 2020-24, had the privilege of participating in Microsoft Engage'22.This esteemed national program provided him with an unparalleled opportunity to work on live projects under the guidance of Microsoft experts. Let's explore Shivam's remarkable experience in this prestigious initiative.
7. A M Sanjeev, Akarsh Kumar, Himanshu Shekhar and Abhishek Indresh Mishra developed College Connect, an innovative online platform tailored exclusively for college students. It brings together the best of social interaction and professional networking in a user-friendly interface.

FET IN NEWS

[कार्यशाला] गुरुकुल कांगड़ी विवि में मिकसड रियलिटी एवं इंटरनेट ऑफ थिंग्स के अनुप्रयोग विषय पर कार्यशाला

इंटरनेट ऑफ थिंग्स से काम हो जाते हैं आसान

हरिद्वार, संवाददाता। गुरुकुल कांगड़ी समविश्वविद्यालय के अध्यापिका एवं प्रौद्योगिकी संकाय में उत्तराखण्ड साईंस एवं टेक्नोलॉजी डेवेलपर्स एसोसिएशन के संयुक्त सहयोग से मिकसड रियलिटी एवं इंटरनेट ऑफ थिंग्स के अनुप्रयोग विषय पर तीन दिवसीय कार्यशाला का मंगलवार को शुभारंभ किया गया। कार्यशाला में प्रतिभाग के लिए 250 से अधिक छात्रों ने आवेदन किया था।



हरिद्वार स्थित गुरुकुल कांगड़ी विवि में मिकसड रियलिटी एवं इंटरनेट ऑफ थिंग्स के अनुप्रयोग विषय पर कार्यशाला का शुभारंभ हुआ। • संवाददाता
जीवन में होने वाले बदलाव के समन्वय में बढ़ावा। संकायप्रमुख प्रो. विपुल शर्मा ने बताया कि इससे अनुप्रयोग का प्रयोग कर के नई तकनीक को आसानी से किया जा सकता है, उन्होंने अग्रतन करवा कि

इंटरनेट ऑफ थिंग्स शब्द का सर्वप्रथम इस्तेमाल केविन एस्टन ने किया था। कार्यशाला के समन्वयक प्रो. संयंक अग्रवाल ने कहा कि यह एक नई तरह की तकनीक है। इसमें सभी गैजेट्स एक साथ

जुड़कर एक दूसरे को डाटा का आदान-प्रदान करते हैं, जिससे सभी उपकरणों का एकीकरण होता है। आज के समय में लगभग सभी सेवाओं में इंटरनेट ऑफ थिंग्स प्रयोग होता है।



हरिद्वार : गुरुकुल कांगड़ी विवि में वृक्षारोपण करती विद्यार्थी।

वन स्टूडेंट वन ट्री अभियान का समापन

आर्टिफिशियल इंटेलिजेंस और मशीन लर्निंग पर दी जानकारी

संवाद न्यूज एजेंसी

गुरुकुल कांगड़ी समविश्वविद्यालय में आयोजित हुई कार्यशाला

समय रूप से रेखांकित किया। उन्होंने तेजी से बदलते उद्योग परिसर्य की मांगों को पूरा करने के लिए एआई और एमएल में नवीनतम विकास के साथ अद्यतन रहने के सपना को जगमगाते, केंद्राध्यक्ष संयंक अग्रवाल ने कहा।

छात्राओं और शिक्षकों से नई तकनीकों को अपनाने का आग्रह

जागरण संवाददाता, हरिद्वार : भारतीय भाषा उत्सव 2023 के अंतर्गत गुरुकुल कांगड़ी समविश्वविद्यालय के अभियांत्रिकी एवं प्रौद्योगिकी संकाय के कंप्यूटर विज्ञान और इंजीनियरिंग विभाग में भाषा सीखने को बढ़ाने के लिए प्रौद्योगिकी के उपयोग पर केंद्रित एक व्यावहारिक कार्यक्रम आयोजित किया गया। जिसमें भाषा शिक्षा के उभरते परिदृश्य पर प्रकाश डाला गया। आयोजन में अन्य संस्थानों के शिक्षकों सहित 100 से अधिक छात्रों और संकाय सदस्यों ने भाग लिया। विवि के कुलपति प्रोफेसर सोमदेव शतांशु ने आधुनिक दुनिया में कृत्रिम बुद्धिमत्ता और उभरती प्रौद्योगिकियों के महत्व पर जोर दिया। उन्होंने छात्रों और शिक्षकों से अद्यतन रहने और नई तकनीकों को अपनाने का आग्रह किया। कुलसचिव डा. सुनील कुमार ने छात्रों और शिक्षकों पर नवी भाषाएं

- कार्यक्रम में भाषा शिक्षा के उभरते परिदृश्य पर प्रकाश डाला
- शिक्षकों समेत 100 से अधिक छात्रों-संकाय सदस्यों ने लिया भाग

सीखने के परितर्तनकारी प्रभाव को स्वीकार किया। इंजीनियरिंग और प्रौद्योगिकी संकाय के डीन डा. विपुल शर्मा ने भारत के विभिन्न राज्यों के छात्रों से भाषावी अंतर को पाटने में प्रौद्योगिकी की भूमिका पर जोर दिया। हिंदी विभाग के सहायक प्रोफेसर डा. अजीत तोमर ने प्रतिभागियों और संकाय सदस्यों को उनकी सक्रिय भागीदारी के लिए आभार व्यक्त किया। इस मौके पर कंप्यूटर विज्ञान और इंजीनियरिंग विभाग के सहायक प्रोफेसर अश्विनी, डा. सुयश भारद्वाज आदि मौजूद थे।

गीता ज्ञान प्रतियोगिता का किया गया आयोजन

हरिद्वार, 26 अक्टूबर (कुलभूषण) : गुरुकुल कांगड़ी समविश्वविद्यालय में अभियांत्रिकी एवं प्रौद्योगिकी संकाय की ओर से गीता ज्ञान प्रतियोगिता का आयोजन किया गया। इस मौके पर विश्वविद्यालय के कुलपति प्रो. सोमदेव शतांशु ने सांस्कृतिक और बौद्धिक गतिविधियों को बढ़ावा देने में इस तरह की प्रतियोगिताओं को महत्वपूर्ण बताया। कुलसचिव डॉ. सुनील कुमार ने इसमें छात्रों और शिक्षकों की सक्रिय भागीदारी पर खुशी जताई। डॉ. एमएम तिवारी, राधिका नागरथ आदि मौजूद रहे। डॉ. धर्मेन्द्र बालियान ने आभार व्यक्त किया। प्रतियोगिता में विश्वविद्यालय के विभिन्न विभागों के लगभग 100 छात्र-छात्राओं ने भागीदारी की।

भारतीय भाषा उत्सव-2023 का आयोजन

हरिद्वार, 27 अक्टूबर (कुलभूषण) : भारतीय भाषा उत्सव-2023 के अंतर्गत गुरुकुल कांगड़ी समविश्वविद्यालय के अभियांत्रिकी व प्रौद्योगिकी संकाय के कंप्यूटर विज्ञान और इंजीनियरिंग विभाग में भाषा सीखने को बढ़ाने के लिए प्रौद्योगिकी के उपयोग पर केंद्रित एक व्यावहारिक कार्यक्रम आयोजित किया गया। इसमें भाषा शिक्षा के उभरते परिदृश्य को संबोधित करने के महत्व पर प्रकाश डाला गया। समविश्वविद्यालय के कुलपति प्रो. सोमदेव शतांशु ने आधुनिक दुनिया में कृत्रिम बुद्धिमत्ता और उभरती प्रौद्योगिकियों के महत्व पर जोर दिया। उन्होंने छात्रों और शिक्षकों से अद्यतन रहने और नई तकनीकों को अपनाने का आग्रह किया क्योंकि वे अब दैनिक जीवन के विभिन्न पहलुओं में एकीकृत हो गए हैं। इस मौके पर कुलसचिव डॉ. सुनील कुमार, इंजीनियरिंग व प्रौद्योगिकी संकाय के डीन डॉ. विपुल शर्मा, डॉ. सुयश भारद्वाज आदि मौजूद रहे। आयोजन में शिक्षकों सहित 100 से अधिक छात्रों और संकाय सदस्यों ने भाग लिया।

AROUND TOWN

MECHATRONIC ROBOTIC COMPETITION 2K23 HELD

The Faculty of Engineering and Technology at Gurukul Kangri Deemed University, Haridwar, hosted the Mectron Robotics Competition 2023. The competition



aimed to celebrate innovation and technical excellence in the field of robotics. It brought together 11 dynamic teams who showcased their remarkable robotic creations and navigational skills. The event commenced with an illustrious opening ceremony, graced by chief guests, advocate Sanjay Singh Thakur, former minister of state, Government of Uttarakhand; and Neelima, chairperson, Mother Teresa Blood Bank. Advocate Sanjay Singh Thakur commended the participants and expressed his deep admiration for their talent and enthusiasm in the field of robotics.

Prof. Vipul Sharma, dean, stated, "The Mectron Robotics Competition 2023 is a testament to the extraordinary talent and dedication of our students. Their innovative approach and technical excellence are truly commendable and showcase the bright future of technology and robotics."

Six teams were selected for the final robot war: Team Absolute Hack was led by Vaibhav Sharma; Team Megatron led by Yashwant Kumar; Team SMT led by Rajeev Ranjan; Team VIR led by Subrat Mandal; Team Hell Fire led by Siddhant Yadav; Team GM led by Karanveer Singh Kanwar. Team SMT came up with flying colours and was awarded first position whereas Team Hell fire was declared as the runner-up of the competition. The winning and runner teams received cash prizes.

In his address, chief guest Prof. Somdev Shatanishu, vice-chancellor, Gurukul Kangri Deemed University, Haridwar, reflected on the historical use of robots in India, referring to them as 'yantra.' The event was co-ordinated by Dr. Vipul Sharma, Anuj Kumar Sharma and Dr. Bhramendra Bala.