

# Newsletter 2024



## Highlights @ a glance

■ **शिक्षा कुंभ-2023** - A National Conference on fostering innovation and entrepreneurship.

■ **Phase wise Recruitment Drive** - Over 120 faculties and staff appointed to strengthen our academic and administrative framework.

■ **New UG and PG Programs** - Exciting undergraduate and postgraduate programs introduced to expand academic horizons.

■ **Geeta Course Introduced** - A significant MoU signed between NIT Kurukshetra and ISKCON to offer a unique course on Geeta.



■ **Tech-Spardha** - A platform for showcasing technological prowess and feasibility.

■ **CITIUS** - Highlights from our exciting and competitive sports events.

■ **From the Director's Desk** - Insightful discussion with our esteemed Director on the vision and future of NIT Kurukshetra.

■ **From the Dean Student Welfare's Desk** - An engaging conversation on student well-being and initiatives to enhance campus life.

■ **India Research Excellence-Citation Awards 2023** - NIT Kurukshetra honoured for outstanding research achievements (powered by Web of Science).



**NIT**  
**KURUKSHETRA**

*(Institution of National Importance)*



# From The Director's Desk



As we usher in the first issue of our Institute Newsletter for 2024, NIT Kurukshetra family is filled with a profound sense of pride and optimism. The dawn of a new year presents an opportunity to reflect on the achievements, embrace the challenges that lie ahead, and chart a course for the future with renewed vigour.

In the past months, NIT Kurukshetra has continued to uphold its legacy of excellence in education, research, and innovation. The students have excelled in academics, sports, and cultural activities, bringing laurels to the institute and making us proud. The faculty and researchers have contributed significantly to cutting-edge research and development, ensuring that the institute remains at the forefront of technological advancements.

This year, the commitment is to further enhance the quality of education and research in the institute. The focus is on fostering an environment that encourages creativity, critical thinking, and problem-solving skills. The goal is to equip the students with the knowledge and skills required to thrive in an ever-evolving global landscape.

Strengthening the industry collaborations and partnerships are one of the prime goals. The aim is to provide the students with real-world exposure and opportunities to apply their learning in practical settings by working closely with the industry leaders. This will not only enhance their employability but also prepare them to be future leaders in their respective fields.

As we move forward, it must be remembered that real strength lies in unity and collective effort. Every member of the NIT Kurukshetra family is encouraged to actively participate in all the initiatives and contribute to the institute's growth and success. Together, NITKkr can achieve greater heights and continue to make a positive impact on society.

My heartfelt gratitude is extended to the editorial team for their hard work and dedication in bringing out this newsletter. I hope that this publication will serve as a platform to celebrate the achievements, share valuable insights, and inspire us all to strive for excellence.

Wishing you all a prosperous and fulfilling year ahead.

*Prof. B.V. Ramana Reddy*

# Dean Student Welfare's Message



It gives me immense pleasure to welcome all to the first issue of the Institute Newsletter for 2024. This platform celebrates achievements and informs about the various activities and initiatives at NIT Kurukshetra.

The Institute is committed to foster a supportive and enriching environment where each student can thrive academically, personally, and professionally. Several exciting events, programs, and initiatives lined up for this year, aimed at enhancing student life on campus. The Student Welfare focus on holistic development remains unwavered through mental health resources, career counselling, or extracurricular opportunities etc. The students are encouraged to actively participate in the events and programs designed for growth and to take advantage of the resources available. A student's journey at NIT Kurukshetra is not just about academic excellence but also about becoming well-groomed individuals ready to face the challenges of the future.

Thank you for being an integral part of our vibrant community. Let us work together to make this year remarkable.

*Prof. Dixit Garg*



## शिक्षा कुंभ-2023: A National Conference on Role of Academic-driven Start-ups in Economy (RASE)

The conference, RASE 2023, was a collaborative event being organized on December 20, 2023 by the Department of Holistic Education, Vidya Bharti Uttar Kshetra, and Hindu Shiksha Samiti, Haryana in partnership with NIT Kurukshetra. The aim of this conference was to explore and discuss the ways in which educational institutions, particularly those with a technical and technology focus, can create an environment conducive to entrepreneurship and innovation. By fostering such an environment, it was intended to empower students and society as a whole to reap the myriad benefits that emerge from the world of start-up ventures.



The inaugural session was graced by the Hon'ble Governor of Haryana. The event was presided over by the Hon'ble Director of the Institute, Prof. B. V. Ramana Reddy. Besides, the function was graced by dignitaries, including VCs and CEOs of organizations. The conference also features three prominent keynote speakers.

## Empowering Tomorrow's Innovators



Bureau of Indian Standards (BIS) and NIT Kurukshetra set the standard for success. NIT Kurukshetra hosted an impactful workshop in collaboration with BIS, organized by Haryana Branch office (HRBO) of BIS on October 4, 2023. The event was graced by distinguished guests, including Shri Rajeev P, Deputy Director General North (DDGN), Shri Ramana Reddy, Director of NIT Kurukshetra, and DG BIS, who joined via video conference.

The workshop commenced with welcome addresses from DDGN and Director NIT Kurukshetra, highlighting the significance of their partnership and the role of standards in sustainable development.

## List of the MoU signed

### Sr. No. MEMORANDUM OF UNDERSTANDING

1. All India Council for Technical Education, New Delhi, Regarding : J&K Students Internship
2. Bureau of Indian Standards (BIS)
3. ISKCON Kurukshetra
4. CSIR-Central Road Research Institute, New Delhi
5. HP Oil Gas Company, Mumbai



## Phase wise Recruitment Drive, Appoints Over 120 Faculties and staffs

National Institute of Technology (NIT) Kurukshetra had embarked on a comprehensive Faculty Recruitment Drive aimed at bolstering its academic prowess and enriching the learning experience for students. NIT Kurukshetra has conducted an ambitious two-phase recruitment drive of teaching and non-teaching staffs, to appoint over 100 faculty members across various academic ranks, including Assistant Professors with different pay grades, Associate Professors, and Professors and several non-teaching staffs.

This comprehensive recruitment initiative underscores Honourable Director Dr. B.V. Ramana Reddy's commitment to academic excellence and institutional growth. The drive aims to strengthen the institute's teaching, research and mentorship capabilities, fostering an environment conducive to intellectual exploration and innovation.

In the second phase of the recruitment drive, The Honourable Director had also taken initiative for the recruitment of the non-teaching staff recently. Under this recruitment drive, several non-teaching staff is recruited and several existing staffs are promoted to the respective higher post.

## NIT Kurukshetra Introduced Exciting UG and PG Programs

National Institute of Technology (NIT) Kurukshetra embraces a new chapter of academic advancement under the leadership of its recently appointed Director. Dr. B.V. Ramana Reddy brings a fresh perspective and a commitment to align the institute's initiatives with the National Education Policy (NEP) 2020. In line with NEP-2020's vision of fostering interdisciplinary learning and promoting innovation, NIT Kurukshetra has introduced a suite of new undergraduate (UG) and postgraduate (PG) programs across key disciplines.



Under the Department of Computer Science and Engineering, the institute now offers UG programs in B. Tech in Artificial Intelligence & Machine Learning, as well as Industrial Internet of Things. Additionally, the Department of Mathematics has introduced a new B.Tech program in Mathematics & Computing. Each of these three programs has around 60 seats and IIT-JEE Mains qualified candidates are eligible to take admission. These programs align with NEP-2020's emphasis on promoting research and innovation in higher education as well as for the society.

At the postgraduate level, NIT Kurukshetra now offers Master of Science (MSc) programs in Physics, Chemistry, and Mathematics having regular as well as self-financial admission mode through CCMN (Centralized Counselling for M. Sc./M. Sc. (Tech.) admission). The candidates who qualified the national level JAM (Joint Admission Test for Masters)



examination conducted by IITs are eligible to take admission against the regular and self-finance vacancies, whereas, few of the self-financial seats are considered with a relaxation of JAM examination. These PG programs provide students with opportunities for advanced study and research in fundamental sciences, paving the way for exciting career paths in academia, research institutions, and industry.

## Geeta Course Introduced: MoU signed between NIT Kurukshetra and ISKCON

The future engineers who are taking admission in the National Institute of Technology Kurukshetra are given the knowledge of Geeta as a course under the National Education Policy (NEP) 2020. The prospective engineers have taken the Geeta course as an elective subject in their first year of admission. A MoU (Memorandum of Understanding) is signed between NIT Kurukshetra and ISKCON. On behalf of NIT, Registrar Prof. G. R. Samanta Rai, and on behalf of ISKCON, ISKCON Kurukshetra President Shakshi Gopal Maharaj has signed the MoU.

The Director of NIT Kurukshetra, Prof. B. V. Ramana Reddy and Dean Student Welfare, Prof. Dixit Garg were present on this occasion. The Director said this MoU will give future engineers an opportunity to develop a holistic personality based on knowledge given in Geeta. This course based on Geeta will be taught to the first-year B.Tech Students under the Department of Humanities and Social Science.



## NIT Kurukshetra Elevates Lecture Hall Complex with Higher Floors



Under the leadership of Honourable Director, Prof. B. V. Ramana Reddy, NIT Kurukshetra is reaching new heights with the construction of additional floors for its Lecture Hall Complex. This expansion project reflects the institute's commitment to providing ample space for academic activities while enhancing its infrastructure to meet the growing needs of students and faculty.

The higher floors of the Lecture Hall Complex will offer state-of-the-art facilities, including modern classrooms equipped with advanced technology and comfortable seating arrangements. This development will not only accommodate the

increasing student population but also provide a conducive environment for collaborative learning and academic excellence.

## Republic Day Celebrations

Republic day was celebrated on 26 January 2024 at NIT Kurukshetra with huge grandeur. The celebrations were attended by Prof. B. V. Ramana Reddy, Director, NIT Kurukshetra, Prof. Dixit Garg, Dean SW, NIT Kurukshetra, Prof. G.R. Samantaray, Registrar, NIT Kurukshetra amongst others. Prof. Reddy hoisted the flag and addressed the crowd as the chief guest and emphasized the importance of the republic day. He also reminded everyone of the day 26 January 1950, when our country received its constitution. The occasion was celebrated by various cultural performances, yoga demonstration and speeches.

The NCC also demonstrated spectacular performances in front of the gathering. On this day, the Institute awarded the prestigious Best Faculty Award to Dr. Avijit Paul, Dept. of Chemistry, Prof. R. P. Chauhan, Dept. of Physics and Dr. Amilan Jose, Dept. of Chemistry.



## RESEARCH AND CONSULTANCY

### NIT KKR bagged India Research Excellence-Citation Awards 2023 (powered by Web of Science)

NIT Kurukshetra wins the 'India Research Excellence - Citation Awards 2023' (powered by Web of Science), in the category of Research Excellence in Engg & Tech. category. The Institute is awarded in the category of Research Excellence in Engg. & Tech. at an award ceremony held in Delhi on September 26, 2023. Prof. R. K. Sharma, Dean of Research & Consultancy (R&C), NIT Kurukshetra, received the award.

The India Research Excellence - Citation Awards are part of the ongoing efforts by Clarivate to recognize and honor research excellence in the country and are announced once every 2 or 3 years.

These awards recognize individuals and institutions who have made outstanding pioneering research contributions in designated categories and have had significant influence over the research in that area.



### Semiconductor Facilities

NIT Kurukshetra streamed the address of Hon'ble PM, Shri Narendra Modi, on Feb.13, 2024 from 10.30 AM. This will be of huge significance for India towards becoming a developed nation in 2047. A seminar was conducted in this regard on the day where Prof. B.V. Ramana Reddy, chief guest, said that India has started its journey in semiconductors and will soon revolutionize the field. The central government inaugurated three semiconductor facilities with the aim of being a developed nation. Hon'ble PM, Shri Narendra Modi, addressed the nation saying the students of the Indian technical institutions to contribute towards this dream. He said that this will generate huge employment opportunities, especially for the youth.

### Viksit Bharat

Viksit Bharat inaugural drive, launched by Hon'ble PM Shri Narendra Modi, was conducted at the board room of Jubilee Hall at NIT Kurukshetra on 11 December, 2023. The drive, which aims at making India a developed nation by 2047, was streamed live at the venue. The drive was originally conducted in hybrid mode. The drive was attended by Prof. Dixit Garg, Dean of Student Welfare, NIT Kurukshetra.





## Startup Day

A program was organized to celebrate National Startup Day at the National Institute of Technology. The program reflected the Institute's commitment to promoting innovation and entrepreneurship. Chairman of the Institute Innovation Council, Prof. R.K. Sharma spoke about the need for innovation and challenges in life. During this time, the youth was inspired to face the challenges with full effort. Dean of Student Welfare Prof. Dixit Garg informed the youth about various government schemes available for startups and entrepreneurs. The Coordinator of the Technology Innovation Center of Kurukshetra University, Anurekha Sharma, inspired them to convert their ideas into a practical application so that they could adopt the path of self-reliance by starting a startup. IIC Vice President Prof. Dinesh Khanduja ended the program with a note.



**Vigilance Awareness Week** 2023 NIT Kurukshetra joined the nation in observing Vigilance Awareness Week 2023 from Oct 30th to Nov 5th. Dean's, Faculty, & Staff members took pledge against corruption & commit to the betterment of the institute & nation.



## FACULTY ACHIEVEMENTS AND PROJECTS

### Awards & Achievements:

- ❖ NIT Kurukshetra awarded the prestigious Best Faculty Award 2023 to **Dr. Avijit Paul**, Dept. of Chemistry, **Prof. R. P. Chauhan**, Dept. of Physics and **Dr. Amilan Jose**, Dept. of Chemistry.



- ❖ **Dr. Chetti Prabhakar**, Assistant Prof. in Chemistry, was awarded with the Dr. Arvind Kumar Memorial Award 2023 for best Young Scientist in Chemistry by the Indian Council of Chemists on December 2023. Dr. Chetti Prabhakar, has joined as Editorial Board member in 2024 to the Springer Journal "Discover Chemistry".



❖ **Dr. Sudipta Ghosh**, Assistant Prof. in Electrical Eng., developed the SAVE Tool (Stability Assessment, Visualization, and Enhancement) for TRANSCO, 2023 in the UAE and received the first-place R&D award from the Ministry of Energy and Infrastructure. MOEI (Ministry of Energy and Infrastructure) awarded a cash prize of 20,000 AED. Dr. Ghosh is also recognized as IEEE Senior member and IEEE Young Professionals member.

❖ **Dr. Tanmay Maji** has joined as a member of EIC-India-Theory Alliance for the Electron-Ion-Collider(EIC) Experiment at Brookhaven National Laboratory, USA.



❖ **Dr. Than Singh Saini**, Assistant Prof. in Physics conferred with the Ramanujan Fellowship 2023, Offered by SERB, Govt. of India.

❖ **Dr Ravi Pratap Singh**, Assistant Prof. in Mechanical Eng. has been featured in the list of "World Ranking of Top 2% Scientists" as per the Stanford University, USA.



❖ **Dr. Kolla Laxmi Ganapathi** has joined as Adjunct Faculty position by IIT Madras since September, 2023.

## Research Projects Sanctioned (Oct. 2023 – Mar. 2024)

**Dr. Shweta Meena**, Assistant Professor, Department of Electronics & Comm. Engg.

Project Title: Development of Layered Mxene Heterostructure for Hydrogen Storage: High Capacity Sustainable Material

Funding Agency: SERB-DST

Commencement Date: 19 Feb. 2024



**Dr. Avijit Kumar Paul**, Assistant Professor, Department of Chemistry.

Project Title: Harnessing Metal-organic Frameworks for Sustainable Removal of Organic Dyes, Heavy Metals and Hazardous Anions from Industrial Wastewater

Funding Agency: DST Haryana

Commencement Date: 16 Feb. 2024

**Dr. Tanmay Maji**, Assistant Professor, Department of Physics

Project Title: Soft-collinear effective theory approach to precision angularity event shapes at high energy scattering experiments

Funding Agency: SERB-DST

Commencement Date: 22 Dec. 2023





**Dr. Ashwani**, Assistant Professor, Humanities & Social Sciences

Project Title: Macroeconomics Forecasting Framework for Vision Policy Document

Funding Agency: NITI Aayog

Commencement Date: 01 Jan. 2024

## Research Projects (Ongoing)

Name of the PI, Designations and Department	Project Title	Funding Agency
Prof. Brahmjit Singh, PI, Electronics & Communication Engg. Dept.	Development of a deep learning enabled algorithm for automatic modulation recognition in blind RF environment	Funding agency SAC ISRO Ahmedabad
Dr. Sandeep Kumar Sood-PI Dr. Munish Bhatia, Co-PI Computer Application Dept.	Quantum Computing-inspired Vehicular Route Optimization for Industrial Applications	Ministry of Electronics & Information Technology (MeitY)
Dr. Amilan Jose D.,PI, and Dr. Vikas D. Ghule, Co-PI, Chemistry Dept.	Smartphone assisted portable chemical sensor for the detection to toxic Heavy Metals and Pesticides in water bodies of Haryana	DST Haryana
Dr. Avijit Kumar Paul, PI, Chemistry Dept.	Boosting of Energy Generation and Storage Properties by the Composite Materials of Multinary Metal Oxides and Carbon Allotropes Synthesized from Agricultural Bio-Wastes	SERB-DST
Dr. Amilan Jose D., PI, Chemistry Dept.	Supramolecular organic-inorganic hybrid gels for the light-activated therapeutic carbon monoxide (CO) delivery	SERB-DST
Dr. M. Senthikumar, PI, Chemistry Dept.	Ruthenium Catalysed Dehydrogenation Reaction as a Platform for Hydrogen Storage Materials	SERB-DST
Dr. Yashashchandra Dwivedi, PI, Physics Dept.	Development of High-yield multicolor persistent luminescent ink for safety signage	DST Haryana
Dr. Amilan Jose D. PI, Chemistry Dept.	Near-infrared (NIR) responsive liposomal nano-system composed of organolanthanide complexes for the sensing and bioimaging of gaseous signaling molecule hydrogen sulphide (H <sub>2</sub> S)	CSIR
Dr. Lillie Dewan (EED) Chief Investigator Dr. Mahesh Pal (CED), Co-Chief Investigators, Dr. Ritu Garg, (CoE) Dr. V.G. Durgarao Rayudu, (EED)	UAV based Urban Mapping of NIT Campus using Deep Neural Network under Capacity Building for Human Resource Development in Unmanned Aircraft System (Drone and related Technology)	Ministry of Electronics & Information Technology (MeitY) Through IITDM Kurnool or CDAC Hyderabad
Dr. Ashwani, PI Humanities Dept. NIT KKR, Dr. Blessy Sarah Mathew, Co-PI, LPU, Punjab, Dr. Nittymol Antony, Co-PI, Kristu Jayanti College, Bengaluru and Dr. Sarwdaman Kashyap, Co-PI, Govt. Polytechnic College, Jehanabad, Bihar	Impact Assessment of PM Kisan Samman Nidhi Scheme	ICSSR
Dr. Ghanapriya Singh, PI, Assistant Professor, Dept. of ECE	IoT- based Multifunctional Scalable Real- Time Farm Monitoring System for Smart Agriculture.	By IIT Ropar- Technology and Innovative Foundation for Agriculture and Water Technology Development Hub (AWaDH)

- ❖ The Patent Office, Government of India granted a patent to the innovators of NIT Kurukshetra **Prof. R. P. Chauhan, Dept. of Physics and the Research Scholar Dr. Jaya Khattar**, for an invention titled CDS-CU9S5 Heterostructure, preparation thereof and photo-catalytic degradation of the industrial dye through CDS-CU9S5 heterostructure.
  - ❖ The Patent Office, Government of India granted a patent for 20 years, for an invention titled Method and System for Securely Communicating in a Computer Environment to NIT Kurukshetra. The inventors are **Prof. Ashutosh Kr. Singh, Dept. of Computer Applications, and Deepika Saxena**.
- ❖ The NIT Kurukshetra Faculties contributed a good number of publications (650) in reputed journals, conferences (145) and Book Chapters (27) in this academic year 2023-24.
  - ❖ Around 53 Training/Conference/Symposium etc. attended during Dec., 2023 - Mar. 2024
  - ❖ Around 31 International Conference (Abroad) attended during Dec., 2023 - Mar. 2024
  - ❖ Around 19 Conferences/Symposium etc. conducted during Dec., 2023 - Mar. 2024.

## GLIMPSE OF THE ACADEMIC EVENTS

### 4th International Conference on Machine Learning and Big Data Analytics (ICMLBDA) 2024

The 4th International Conference on Machine Learning and Big Data Analytics (ICMLBDA) 2024 was successfully organized by the Department of Electronics and Communication Engineering from May 09-11, 2024. The conference was organized in association with the International Association of Academicians (IAASSE) and California State University, San Bernardino, USA. The proposed ICMLBDA-2024 provided a platform for researchers and professionals to share their research and reports of new technologies and applications in ML and Big Data Analytics like biometric recognition systems, medical diagnosis, industries, telecommunications, AI Petri Nets model-based diagnosis, gaming, stock trading, intelligent aerospace systems, robot control, law, remote sensing and scientific discovery agents and multi-age systems, and natural language and Web intelligence.



### Conference on Intelligent Electronic Systems (NCIESA-2024)

The Department of Electronics and Communication Engineering at the National Institute of Technology Kurukshetra concluded its highly successful National Conference on Intelligent Electronic Systems and Applications (NCIESA-2024) from February 23-24, 2024, which brought together esteemed researchers, scholars, and industry experts across the nation to explore the forefront of electronic engineering. Dr. Chandraprakash, Head of Satellite Communication Technology Development at the Space Applications Centre, ISRO, Ahmedabad, India, graced the conference as the Chief Guest and Keynote Speaker.

### Workshop on Nanotechnology: A Joint NIT KKR- IIT Delhi initiative



The Department of Physics, National Institute of Technology, Kurukshetra (NITKkr) and Indian Institute of Technology, Delhi (IITD) have jointly conducted one day workshop on Nanotechnology on March 12th, 2024. The workshop was organized under MeitY funded INUP- i2i Programme. The workshop was inaugurated by Prof. V.P. Singh, Dean of Planning and Development, NIT Kurukshetra, and the Chief Guest, Prof. Neeraj Khare, Professor in Physics Department and Coordinator, Nanoscale Research Facility at IIT Delhi.

## Workshop on Energy Conservation & Sustainable Development (ECSD-23)

The School of Renewable Energy and Efficiency, NIT Kurukshetra recently organized a workshop on Energy Conservation & Sustainable Development (ECSD-23), a dynamic forum aimed at fostering environmental stewardship and sustainable practices held from December 18-22, 2023. The Chief Guest Dr. B.V. Ramana Reddy, Director of NIT Kurukshetra, in his inaugural address, underscored the critical importance of embracing sustainable practices in addressing pressing environmental challenges and emphasized NIT Kurukshetra's commitment to driving positive change in this regard.

## Workshop on AI Powered Justice (NyAI)

Artificial Intelligence technology which tries to incorporate human intelligence into the machine, the same can be utilized in the legal domain for automating legal procedures. To contribute to the Science community and the Law community, the National Institute of Technology, Kurukshetra in collaboration with IHUB Anubhuti IIITD Foundation arranged a 5-day workshop in the hybrid mode titled "NyAI-AI Powered Justice" during Nov 6th -10th, 2023.



The panel discussion was graced by Dr. B.V. Ramana Reddy, Director of NIT Kurukshetra and Dr. Archana Mishra, Vice Chancellor of Dr. B.R. Ambedkar National Law University, Sonapat as a chief guest. Prof. Reddy explained that AI can help in solving legal system and ethical issues for mankind, improving ethics, enhancing the efficiency of the legal system, and developing individual legal clients.

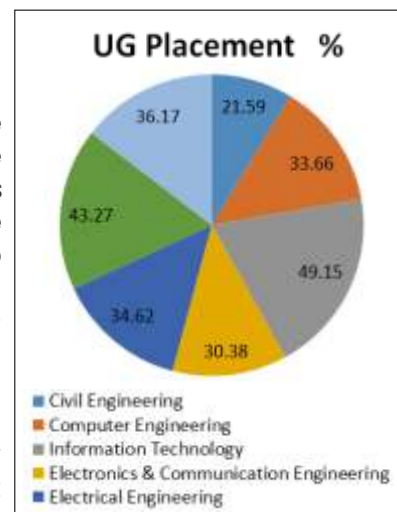
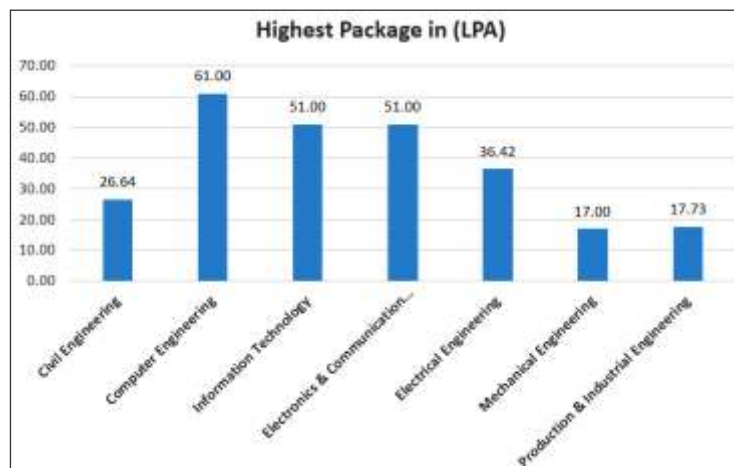
## List of Conferences/Symposium etc. conducted (Dec., 2023 - March 2024)

Sr.No.	Title	Coordinators	Duration
1	5th International Conference on Deep Learning, Artificial Intelligence and Robotics (ICDLAIR 2023)	Dr. Mohit Dua Dr. Ankit Jain Dr. Krishan Kumar	Dec. 07-09, 2023
2	Workshop on AI and ML Based Approaches with Application and Challenges	Dr. Lov Kumar	Dec. 11 - 17, 2023
3	One Week Online Short Term Course on Advances in Industrial and Manufacturing Operations : Applications & Practices (AIMOAP - 2023)	Dr. Dilbagh Singh Dr. Ranjit Kumar Dr. Manoj Kr. Sinha	Dec. 15-19, 2023
4	One Week Workshop on Energy Conservation & Sustainable Development (ECSD-23)	Dr. Shelly Vadhera Dr. Shivam Dr. Rajesh	Dec. 18-22, 2023
5	One Day National Conference on Psychological, Science and Technology : IKS Applications	Prof. R K Aggarwal Dr. Shabnam Dr. Kuldeep	Dec. 23, 2023
6	Workshop on Machine Learning/Artificial Intelligence for Future Generation Communication Systems	Dr. Pankaj Verma	Dec. 23 -29, 2023
7	Short Term Course on Advanced Optimization Techniques for Engg. Applications (AOTEA - 2023)	Dr. Ritu Garg Dr. Bharti Sinha Dr. Niyati Baliyan	Dec. 26-30, 2023
8	Short Term Course on Recent Advances in Industrial Automation (RAIA - 2023) (in online mode)	Dr. Chhagan Charan Dr. Gaurav Verma Dr. Karamdeep Singh	Dec. 30, 2023 - Jan. 03, 2024
9	Image and Speech Processing using Artificial Intelligence and Machine Learning	Dr. Mohit Dua	Jan. 03-09, 2024

Sr.No.	Title	Coordinators	Duration
10	STTP on Research Methodologies and Scientific Research Writing using LaTeX (RMSRL-2024)	Dr. T. N. Sasamal Dr. Pankaj Verma Dr. Chhagan Charan	Jan. 04-08, 2024
11	BOOT CAMP/Workshop on Drone Technologies and Applications at GJU Hisar (3 Boot Camps)	Dr. Lillie Dewan Dr. Mahesh Pal	Feb. 05-09, 2024
12	National Conference on Intelligent Electronics System and Applications (NCIESA 2024)	Dr. Vrinda Gupta Dr. Gaurav Verma	Feb. 23-24, 2024
13	International Conference on Mechanical Engineering & Technology (ICMET-2024)	Prof. Hari Singh Dr. Rajneesh Dr. Satnam	Mar. 01-03, 2024
14	One Week Online Hands-on Workshop on Machine Learning Techniques and Applications (MLTA - 2024)	Dr. Kuldeep Kumar Dr. Mohit Dua Dr. Ankit Kumar Jain	Mar. 01-05, 2024
15	Short Term Course on Recent Advances in Optimization Techniques for Engg. Applications (RAOTEA - 2024) (Online mode)	Dr. Poonam Jindal Dr. Karamdeep Singh Dr. Hemant Sharma	Mar. 02-06, 2024
16	Short Term Training Program on Nano-Scale Devices : Recent Advancement and Future of Semiconductor Industry (NSD - 2024)	Prof. R. K. Sharma Dr. Gaurav Saini Dr. Dharmendra Yadav	Mar. 04-08, 2024
17	Short Term Course on Training on ANSYS Software : Application to Engineering Problems (ANSYS-AEP)	Dr. Ashwani Kumar Dr. Shivam Dr. Pradeep Kumar	Mar. 04-08, 2024
18	Intl. Conference on Future Power Network and Smart Energy Systems: Issues and Challenges (FPNSES-2023)	Dr. Sathans Dr. Rahul Sharma	Mar. 08-10, 2024
19	Joint Workshop on Nano-Technology under Meity funded INUP i2i	Dr. Neena Jaggi Dr. K Lakshmi Ganpathi	12 March, 2024

### Training and Placement

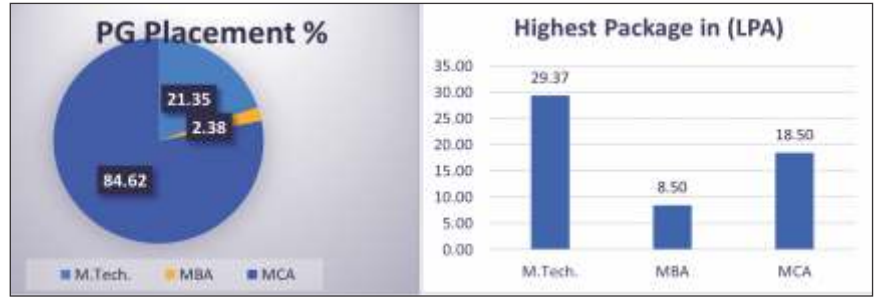
Training & Placement Cell, NIT, Kurukshetra conducts all recruitment related activities of the Institute with various industrial establishments and corporate houses to facilitate recruitment of graduating students. Placement record of the institute is remarkable. Leading National, International Organizations and PSUs like BPCL, EIL and BEML visited the institution for placement. Major recruiters are Microsoft India, Google, Adobe Systems, Salesforce, Expedia Group, Winzo



G a m e s , T e x a s Instrumentation, SAP labs, Wells Fargo Synopsys, Brahmos Aerospace, American Express and many more. In the current academic year 2023-

2024, till now more than 322 companies visited the institute and offered jobs and internship opportunities to the undergraduate and post graduate students of the institute. The highest pay package offer is 61 Lacs per annum with an average pay package of around 14.36 Lacs per annum.

**Training Activities:** All students of UG branches undergo Internship/Industrial Training/Project work during their complete 6th semester. The Training & Placement Cell has organized a STC on "Attitude, Behaviour and Career skills for Entrepreneurship and Professional Development (ABCS-2024) from 4th - 8th March with a participation of 96 students for enhancing the professional development of students in placements and internship drives.



## GLIMPSE OF INSTITUTE INITIATIVES

### Yuva Sangam (युवा संगम) Phase-III (under Ek Bharat Shreshtha Bharat)

An initiative by Government of India to strengthen the connection between people, especially among youth across the Nation.

"Sardar Patel gave us Ek Bharat. It is now the solemn duty of 125 crore Indians to collectively make Shrestha Bharat"

--Hon'ble Prime Minister Shri Narendra Modi



The Indian culture, often labelled as an amalgamation of various cultures, spans across the Indian subcontinent and has been influenced and shaped by a history that is several thousand years old. The spirit of mutual understanding amidst a shared history has enabled a special unity in diversity, which stands out as a tall flame of nationhood that needs to be nourished and cherished. The idea of a sustained and structured cultural connection between people of different regions was mooted by Prime Minister Shri Narendra Modi during the Rashtriya Ekta Diwas held on 31st October, 2015, to commemorate the birth anniversary of Sardar Vallabhbhai Patel. In Yuva Sangam (Phase-III), Haryana has been paired with Jharkhand and NIT Kurukshetra and IIIT Ranchi have been nominated as the Nodal Centres of Haryana and Jharkhand, respectively. As a part of this program, 50 participants from Jharkhand visited Haryana during 23rd November 2023 to 01st December 2023. During their visit, the youth will had a multi-dimensional exposure under five broad areas - Paryatan (Tourism), Parampara (Traditions), Pragati (Development) and Paraspar Sampark (People-to-people connect), Prodyogik (Technology).

### Thought Lab Activities

During the VIHASA workshop, BK sisters enlightened participants on valuing self and spirituality in healthcare, emphasizing learning from positive aspects of our surroundings. The first day included a dance activity for joy. Day two focused on positivity, its impact, and cultivating positive thoughts, alongside appreciating oneself and others at work, guided by four principles: sincerity, specificity,





quality identification, and spoiler avoidance. The final day involved activities to derive positivity from various environments and mental and physical health, culminating in creating a 'happy space' through poster-making, incorporating elements like soft music, rivers, scenery, sunrises, and fragrances, promoting personal well-being and happiness.

Date of the event	Type of Event	Event details conducted by Thought Lab
12.01.24	Expert Talk: Discover Inner Balance for External Excellence	An expert Talk on Discover Inner Balance for External Excellence in Jubilee Hall. The talk was delivered by Sh. Sanjay Upreti, Financial Advisor (BSF), Ministry of Home Affairs, Govt. of India.
19.01.24 to 21.01.24	VIHASA WORKSHOP	A 03 days' offline workshop was conducted by B. k Surnaina, B.K. Prabha, B.K. Dr Preeti, B.K. Divya in Senate hall and ROOM NO 305, 309 of Thought Lab.
05.02.24	Expert talk Mastering Emotions	An expert talk was conducted by renowned B.K Piyush (trainer & Public trainer) in Wisdom Hall of Thought lab on Mastering Emotions.
24.02.24	Welcoming B.K. Shivani in NIT Kurukshetra	A welcome ceremony of B.K. Shivani Didi was organized in the Board Room of the institute on 24.02.2024 in the presence of Hon'ble Director, all Deans, HODs, Professors, B.K. Saroj Didi and Students representatives of the institutes.
23.02.2024 to 27.02.2024	5 days' workshop on "Creative Thinking & Stress Management"	A 5 days' workshop on "Creative Thinking & Stress Management" was conducted in the Institute in which Prof. Dixit Garg, Dean (SW) & Coordinator (Thought Lab) and Dr. Than Singh, Co-coordinator (Thought Lab) were keynote speakers.
16.03.2024 to 17.03.2024	2 Days National Conference on Metacognition, Creativity and Diverse Thinking	A 2-day National Conference on Metacognition, Creativity and Diverse Thinking was held in Thought Lab on 16-17 March. Keynote speakers, Sh. Amit Verma and Dr. Ashish Gupta emphasized on the importance to live in the present with concentration as the amount of power that concentration and purity hold is unimaginable.



### Ram Mandir Pran Pratistha

Ram Mandir Prathistha was celebrated in NIT Kurukshetra on 22 January 2024. The joyous moment was celebrated with offerings and yagya at the venue. Prof. B.V. Ramana Reddy, Director, NIT Kurkshetra, and Prof. Dixit Garg, Dean SW, NIT Kurukshetra attended the holy ritual. Besides the ritual, the inaugural ceremony at Ayodhya was live-streamed at the Jubilee Hall of the institution for all. Prof. Dixit Garg elaborated on the principles and values of maryada purushottam Shri Ram and that each and every person should follow his footsteps.





## CAMPUS PULSE

### Tech-Spardha

The National Institute of Technology (NIT) Kurukshetra recently hosted Techspardha-24, a national-level annual technology festival, from March 13 to March 17. The event was a vibrant hub for technical and managerial students, featuring various competitions and workshops designed to foster innovation and practical skills.

The inaugural ceremony at Jubilee Hall featured notable guests including Dr. V.P. Singh, acting director, Dr. Gyan Bhushan, president, Dr. R.K. Sharma, dean of research and development, and Dr. Poonam Jindal, co-president. They emphasized the importance of technological innovation in national development and motivated students to leverage the opportunities provided by Techspardha-24.



### Shikshangan-2024

The National Institute of Technology (NIT) Kurukshetra hosted the grand two-day festival, Shikshangan 2024, celebrating student talent and creativity. The event commenced with a traditional Saraswati Vandana, setting an auspicious tone for the festivities. The inauguration featured an overview of the various activities planned for the festival, including dance, singing, quizzes, "Education's Got Talent," and a science exhibition. These events aim to engage students from all educational backgrounds, providing them a platform to showcase their diverse talents. The event was honored by the presence of chief guests, Group Captain S.C. Gaur, recipient of the Shaurya Chakra and Vishisht Seva Medal, Brigadier K.K. Singh.



### Virasat-2024

The grand inauguration of the "Sampoorna Virasat Workshop" by the Kurukshetra chapter of SPICMACAY organization at NIT Kurukshetra was a spectacle of cultural magnificence. Dignitaries including the esteemed Director of NIT Kurukshetra, Professor B.V. Ramana Reddy, the affable Dean Student Welfare, Dixit Garg Ji, and the visionary Professor Incharge Students Club, Dr. Pratibha Agarwal Ji, graced the occasion with their august presence.



### Ek Bharat Shreshtha Bharat scheme

In a bid to foster national unity and mutual understanding, delegates from Haryana recently embarked on a transformative journey as part of the Ek Bharat Shreshtha Bharat scheme. Their one week visit to Jharkhand offered a profound exploration of the scheme's core principles: Prodyogiki (Technology), Prayatna (Tourism), Parampara (Tradition), Pragati (Development), and Praspas Sampark (people's bonding) i.e. 5P's. Venturing into the realm of Prodyogiki, the delegates delved into the

intricate workings of the National Thermal Power Corporation (NTPC) in North Karanpura.

## SPORTS SPECTRUM

### CITIUS

The CITIUS 2024 Sports Festival at the National Institute of Technology, Kurukshetra, marked a celebration of athleticism, camaraderie, and outstanding achievements. The inauguration, graced by Director Dr. B.V. Ramana Reddy, emphasized the significance of sports in enhancing mental health, setting the stage for a spirited competition. In his words, sports not only contribute to physical well-being but also play a vital role in maintaining mental health. The festival exemplified the institute's commitment to holistic education, emphasizing the importance of sports alongside academic pursuits. The closing ceremony, graced by the chief guest, Tokyo Olympics bronze medallist and national hockey team player, Surendra Singh, further elevated the event.



The festival's success is a testament to the dedication of participants, fostering a culture of sportsmanship and excellence at NIT Kurukshetra. Athletes displayed remarkable prowess across various disciplines. The Mechanical branch claimed the Champions Trophy with an impressive haul of 70 medals, showcasing their sporting prowess.



Games	Position	Name
200-meter Race	I.	Himanshu
	II.	Ankit Yadav
	III.	Rudra
Hammer Throw	I.	Harsh
	II.	Abhay Singh
	III.	Pramod
Slow Cycling (Boys)	I.	Nishant
	II.	Amrish
	III.	Devyansh
Slow Cycling (Girls)	I.	Riya
	II.	Tanishka
	III.	Aarju
1-mile women's race	I.	Koshiki
	II.	Surbhi
	III.	Juhi Singh
3-mile men's race	I.	Aashish
	II.	Pankaj
	III.	Devanand

Games	Position	Name
4100-meters relay race		The team of Dilip, Shushil, and Himanshu
Discus Throw	Gold	Twinkle Soni
Three-Leg Race	I.	Janvi and Darsh
	II.	Dimple and Simran
	III.	Jyoti and Twinkle
Women's Sack Race and the	I.	Mehak
	II.	Neha Ray
	III.	Somya
Men's Sack race	I.	Kapil
	II.	Abhay
	III.	Ramendra
Women's 800-meter	I.	Race Jyoti
	II.	Mushkan
	III.	Abhilipsha



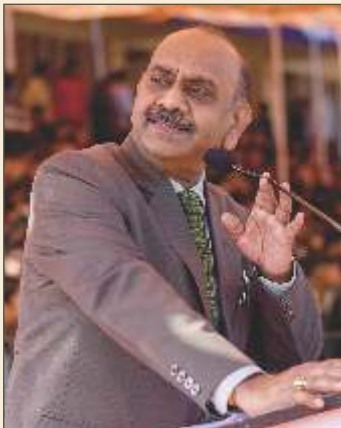
**NIT Kurukshetra organised InterBIT Volleyball tournament (AIINVT) 2024 with grand success.**

- ❖ NIT Kurukshetra performed very well in the NIT athletics championship held on February 2024 at NIT Warangal, Telangana and bagged a gold medal in the 5000m race.
- ❖ Badminton, Table Tennis and Chess teams of NIT Kurukshetra participated in the "All India Inter NIT Faculty and Staff Tournament 2023" hosted at MANIT Bhopal from December 21st - 23rd. In Men's Doubles badminton, a pair of Prof. P.C. Tiwari and Prof. Jitender Chhabra secured a Silver medal in the above-age 50 category. Also, Prof. Jitender Chhabra won a Silver medal in the above-age 50 category in Men's Singles badminton. In the below-age 50 category, Prof. Gaurav Saini and Prof. Niyati Baliyan won the Bronze medal in Mixed Doubles.



**Vasant Panchami Celebration by Faculty club**

Vasant Panchami was celebrated by the Faculty club on February 14, 2024 from 10.30 AM onwards. A puja and havan were performed to seek blessings from Ma Saraswati. The holy occasion was attended by many faculties along with their family. The occasion was graced by Prof. Dixit Garg, Dean SW, Prof. Dave and Prof. Paratibha Aggarwal amongst others.



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