



डॉ बी आर अम्बेडकर राष्ट्रीय प्रौद्योगिकी संस्थान जालंधर, पंजाब (भारत)

DR B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY JALANDHAR

Volume 8, Issue 4 December 2023



NIT Jalandhar has been placed in rank band (351-400) in “THE (Times Higher Education) Asia and Young University Ranking 2023 & 2024”



### *From The Director's Desk*



Greetings from Dr B R Ambedkar National Institute of Technology Jalandhar, Punjab!

It fills me with immense pride to witness the remarkable strides our institution has taken in the realm of academic and extracurricular activities. The recent spate of conferences, workshops, and events underscores our commitment to fostering excellence and innovation in every facet of our operations. These platforms not only showcase our advanced research but also facilitate invaluable exchanges of ideas among scholars and practitioners worldwide. Moreover, our dedication to professional development is evident

in the array of Short-Term Courses (STCs) and Faculty Development Programs (FDPs) conducted on diverse subjects such as Renewable Energy Pathways, Blockchain-enabled Internet of Things, and Emerging Technologies in Computing and Communication. These initiatives not only equip our faculty and students with the latest skills and knowledge but also strengthen our ties with esteemed institutions and industry partners.

I am pleased to share that NIT Jalandhar hosted its 18<sup>th</sup> annual convocation on October 18, 2023. Shri Banwari Lal Purohit, Hon'ble Governor of Punjab, graced the event as Chief Guest, while Shri Sonam Wangchuk, Founder of SECMOL, Ladakh, was the Guest of Honour. The institute honored Sonam Wangchuk with a Doctor of Philosophy degree for his societal contributions. A total of 1281 students received degrees, marking a significant milestone in our journey. In addition to academic pursuits, our institution has actively engaged in various social and cultural activities, fostering a vibrant and inclusive campus environment. From Swachhta Hi Sewa drives to alumni meets, each event has contributed to building a sense of community and camaraderie among our stakeholders.

As we celebrate our achievements, it is crucial to acknowledge the pivotal role played by our esteemed faculty, diligent staff, and enthusiastic students in propelling NIT Jalandhar to greater heights. Together, we embody the spirit of innovation, collaboration, and excellence that defines our institution. Looking ahead, let us continue to strive for excellence in all our endeavours, leveraging our collective talents and aspirations to make meaningful contributions to academia, industry, and society at large.

Thank you for your unwavering commitment and dedication.

With pride and optimism,

**Prof Binod Kumar Kanaujia**  
Director

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NIT Jalandhar has been placed in the rank band of (651 - 700) in “QS Asia University Ranking 2024”



### *From The Registrar's Desk*



Greetings from Dr B R Ambedkar National Institute of Technology Jalandhar, Punjab!

I am delighted to share with you the plethora of activities and events that have unfolded within our vibrant campus community. From cultural celebrations to academic collaborations, each initiative underscores our commitment to holistic development and societal engagement.

Our recent endeavours encompass a wide spectrum of engagements, from cleanliness drives to sports carnivals, from academic conferences to entrepreneurship workshops. I am particularly proud of our institution's outreach efforts, including collaborations with esteemed organizations such as the Indian Institutes of Technology (IITs) and the Bureau of Indian Standards (BIS). These partnerships not only enhance our academic standing but also provide invaluable opportunities for our students and faculty to engage with leading experts in their respective fields. In addition to our vibrant campus activities and societal engagements, I am thrilled to report the remarkable success of our campus placement programs. Our institution has consistently maintained an excellent track record in securing lucrative career opportunities for our students across diverse industries.

Furthermore, our commitment to social responsibility is exemplified through initiatives such as the scholarship program supported by KISCO India Private Limited under the Corporate Social Responsibility (CSR) Initiative. Such endeavours reaffirm our dedication to fostering inclusivity and empowering students from economically disadvantaged backgrounds.

As we embark on a new chapter, let us carry forward the spirit of innovation, collaboration, and service that defines NIT Jalandhar. Together, let us continue to strive for excellence, making meaningful contributions to our institution, society, and the world at large.

Jai Hind!

**Prof Ajay Bansal**  
Registrar



## CONTINUING EDUCATION

### Conferences

Department of Chemical Engineering NITJ organized the 1st International Conference on 'Recent Advances in Biofuels and Biomaterials (ICRABB-2023)' from October 13-14, 2023.



Department of Mechanical Engineering NITJ organized 3<sup>rd</sup> International Conference on 'Materials Science & Engineering (ICMSE-2023)' from November 23-25, 2023.

Department of Electronics and Communication Engineering NITJ organized 3<sup>rd</sup> International Conference on 'Computational Electronics for Wireless Communications 2023' from December 22-23, 2023. The main objective of this conference was to bring together motivated researchers from around the world to showcase their innovative ideas as potential solutions to global challenges.



### STC / FDP

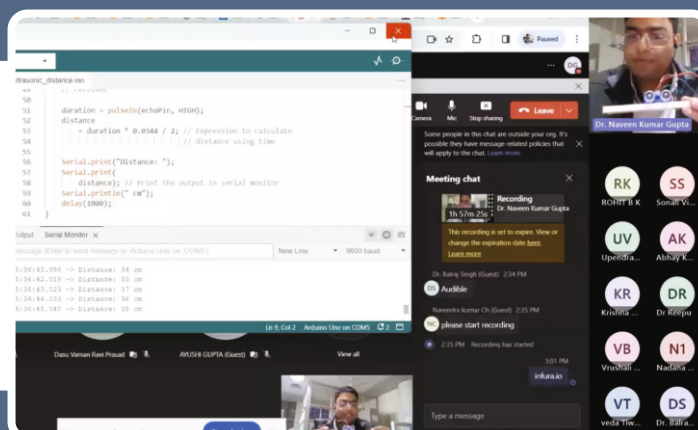
Centre for Energy and Environment organized an Online self-sponsored STC on 'Renewable Energy Pathway and Technology (REPT-23)' from December 14-18, 2023. The resource persons for the course were renowned researchers from IITs, NITs, other reputed education and research organizations and Industries.



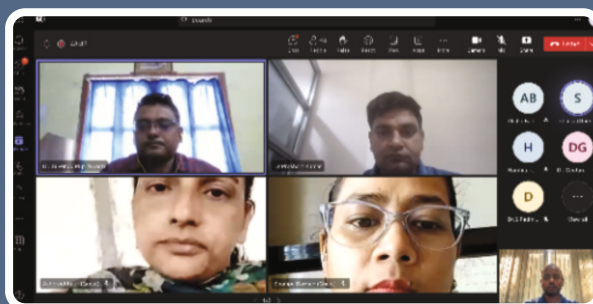


Department of Chemical Engineering organized one week Entrepreneurship and Skill Development Training Programme (E-SDP) on 'Opportunities for MSMEs in Solid Waste Management' from November 27-December 1, 2023.

Department of Information Technology organized a self-sponsored online faculty development program on 'Recent Trends in Blockchain Enabled Internet of Things' from December 4-8, 2023. A total of 116 internal/ external candidates participated in the program. The FDP involved hands on sessions on blockchain enabled Internet of Things.



Department of Computer Science & Engineering organized a self-sponsored FDP on 'Emerging Technologies in Computing and Communication' from October 25 – 29, 2023. The event included lectures on cloud computing, machine learning, augmented reality, virtual reality, etc. In this FDP, Prof M C Govil (NIT Sikkim), Dr Shashi Shekhar Jha (IIT Ropar), Dr Ajay Pratap (IIT BHU), Dr Suvendu Rup (NIT Raipur), Prof Manju Khari (JNU), Dr Chandra Prakash Meena (NIT Delhi), Dr Pratyay Kuila (NIT Sikkim), Dr Pradeep Kumar Biswal (IIIT Bhagalpur) and Dr Ajaya Kumar Dash (IIIT Bhubaneswar) delivered the expert lectures. The event witnessed more than 70 active participants.



Department of Computer Science & Engineering organized a self-sponsored five-day online short-term course on 'Intellectual Property Rights: Fostering Research and Economic Development' from the December 19- 23, 2023.





Department of Humanities and Management NITJ organized a ten-day ICSSR-sponsored Research Methodology Course (RMC) on 'Mixed Methods Approach in Management and Business Research' during December 11 - December 21, 2023

Department of Instrumentation and Control Engineering NIT J organized:

- A one-week advanced entrepreneurship skill development programme (e-SDP) on 'Recent trends & challenges in instrumentation and control for MSME industry,' supported by the Ministry of Micro, Small, and Medium Enterprises (MSME) from December 4-8, 2023.
- Online Short Term Course on Optimization and Control Design Techniques Innovations and Challenges (OCDT-2023) from Nov 22-26, 2023.



Department of Physics, NIT Jalandhar, in collaboration with Technology Applications Service (TAS), New Delhi, organized a workshop on Vacuum, Plasma, and Thin Film Deposition/Processing Technologies from November 20-22, 2023.

Department of Biotechnology organized a short-term course on 'Advances in Biomaterials and Nanotechnology for Biomedical Applications' from September 28-October 2, 2023.



## Workshop / Webinars

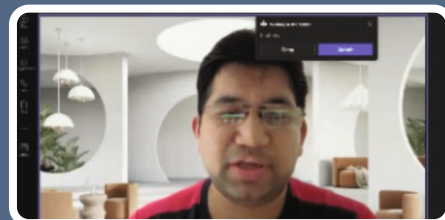
Department of Chemical Engineering and Centre for Energy and Environment, NITJ jointly organized:

- Expert Talk on Human Values for Excellence by Shri Prabhat Kumar Jha, Former Deputy General Manager Maruti Suzuki Ltd on October 9, 2023.
- Expert Talk on Oil & Gas the Scenario of India and World by Dr Siddharth Sarkar, Former Chief General Manager Gas Authority of India Ltd. on October 11, 2023.
- Expert Talk on Post Combustion Carbon Capture & its Challenges by Shri Rahul Buswala, Manager, Power Sector Business Group II (Coal to Chemical), BHEL, New Delhi on October 14, 2023.
- Expert Talk on Ways of Operation and Maintenance of Biogas Plants with respect to Microbial Health by Dr Vanita Prasad, Founder & Director, CTO at REVA Environmental Solution Pvt Ltd on November 9, 2023.
- Expert Talk on Application of CFD in Renewable Energy Systems by Brijesh Kr Pandey, CEO, PANSIMTECH Pvt Ltd On November 18, 2023.

Department of Humanities and Management Organized a mega event on 'The Debate Turf-Let The Rebuttal Begin' On October 11, 2023



Department of Information Technology organized an industrial lecture by Amit Kumar Gupta from Equinx on the topic 'Data Centres Managing and Monitoring' on November 24, 2023. 70 candidates participated in the session.



Department of Physics NITJ hosted a comprehensive workshop on Python programming from December 18 - 22, 2023.



NITJ and Micro, Small & Medium Enterprises jointly organized one-day awareness workshop on 'design components under the MSME innovative scheme' on December 21, 2023.



## IMPORTANT EVENTS

NITJ celebrated Swachhta Hi Sewa-2023 by organizing a cleanliness drive – ‘Ek Tareekh Ek Ghanta’ with great enthusiasm and dedication on October 1<sup>st</sup>, 2023. In this was two sites were identified near NITJ. One of the sites NITJ main gate spanning to the canal & up to Brij Dham, Lidhran. The second area was the area from NITJ main gate to the village Bidhipur. NITJ has consistently been at the forefront of this movement, recognizing the importance of a clean and green environment for the holistic development of our society. The event commenced with a formal inauguration ceremony graced by the esteemed Director of the institute, Dr B K Kanaujia, who emphasized the significance of cleanliness in our daily lives and its direct impact on our well-being. The Deans, Registrar, HODs, media in charge with all members of the faculty and staff, cultural coordinators, NCC & NSS coordinators, and students actively participated in the cleaning campaign during the occasion.



NITJ conducted a spirited cleanliness drive, ‘Shramdaan’, as an integral part of Special Campaign 3.0 for ‘Swachhata’ in Government Offices on the occasion of Gandhi Jayanti (October 02, 2023). The event garnered enthusiastic participation from various segments of the NITJ community, including faculty and staff members, cultural coordinators, NCC & NSS coordinators, HoDs, Deans, Registrar, and the esteemed Director, Dr B K Kanaujia.

Bureau of Indian Standards (BIS) Jammu and Kashmir Branch Office organized ‘Manak Mahotsava’ in collaboration with NIT Jalandhar on World Standards Day (October 07, 2023). Sh Pramod Kumar Tiwari, IAS, Director General of BIS, delivered opening remarks via video conference, with Hon’ble Sh Rajeev P, Deputy Director General North as Chief Guest. Over 400 students from NIT Jalandhar, along with 100 participants from Jalandhar’s industries, attended this event.



The Khadi Mahotsav held at NITJ on October 31, 2023, was a vibrant celebration showcasing the essence of Khadi and fostering a spirit of creativity among students. Enthusiastic participation marked the event, with students engaging in diverse activities such as impassioned debates, spirited rallies, captivating poster exhibitions, and thought-provoking essay competitions.





The NIT Jalandhar Campus hosted the awe-inspiring ‘Yashaswani: Women Motorcycle Expedition-2023’ by CRPF women bikers on October 12, 2023. Their visit stirred admiration and excitement among students and faculty, offering an inspiring platform to hear stories of resilience and determination.

Interactions with these courageous bikers sparked discussions on empowerment, gender equality, and defying stereotypes, leaving an indelible mark on the campus, urging all to pursue aspirations fearlessly.



Dr B R Ambedkar National Institute of Technology Jalandhar hosted its 18<sup>th</sup> annual convocation on October 18, 2023. Shri Banwari Lal Purohit, Hon’ble Governor of Punjab and Administrator, UT, Chandigarh, graced the event as Chief Guest, while Shri Sonam Wangchuk, Founder of SECMOL, Ladakh, was the Guest of Honour.

The institute honored Sonam Wangchuk with a Doctor of Philosophy (Honoris Causa) degree for his societal contributions. Shri Sonam Wangchuk inspired graduates to leverage technology for national progress and urged their commitment to addressing societal challenges. A total of 1281 students received degrees, including B Tech, M Tech, M Sc, MBA, and PhD graduates.





NIT Jalandhar orchestrated a momentous occasion on December 11, 2023, hosting the launch of 'Viksit Bharat@2047: Voice of Youth' by Hon'ble Prime Minister Shri Narendra Modi.

The event, organized by Team Cultural Affairs (TCA) and the Institution Innovation Council (IIC), provided a platform for the youth to engage in shaping India's future, aligning with the visionary goal of a developed nation.



On October 31, 2023, Rashtriya Ekta Diwas was celebrated at NIT Jalandhar, marked by a solemn pledge taken by the Honorable Director, reaffirming commitment to India's unity and integrity. Following the pledge ceremony, a spirited Unity Run commenced, symbolizing solidarity and harmony, as participants embarked on a run promoting the essence of national unity and oneness among the NITJ community.



Bharat Dhvani, the grand celebration of NIT Jalandhar's Foundation Day, kicked off with a symphony of traditions on Nov 07, 2023. The resonant echoes of Ganesh Vandana and the illuminating lamp-lighting ceremony by our esteemed Director, Dr Binod Kumar Kanaujia, set the stage for a night of artistic brilliance.

The day dazzled with spectacular performances, including gripping drama acts, high-energy group dances, and melodious group and duet songs that left everyone spellbound. The culmination was a heart-pounding Bhangra performance that ignited the campus.







The commemorative event held in honor of Kartar Singh Sarabha Martyr Day organised by Team Cultural Affairs on 16 November, 2023, was a poignant tribute to the courageous revolutionary.

The alumni meet held at NIT JALANDHAR on December 16, 2023, was a poignant occasion that evoked a strong sense of nostalgia among the attendees. This annual gathering, cherished by both former and current members of the NITJ community, serves a dual purpose. The event became a momentous occasion as alumni from various walks of life credited their accomplishments, whether in business, entrepreneurship, or administration, to the guidance they received from the professors during their time at NITJ.



The impact of these mentors was acknowledged and appreciated, creating a deep sense of gratitude among the alumni. The significance of each department was highlighted through the honoring of outstanding alumni, each of whom received recognition for their contributions. In their heartfelt acceptance speeches, these individuals expressed sincere thanks to the institute for playing a pivotal role in shaping their journeys. Beyond recognition, the meet also became a platform for giving back. Mr Rohit Khanna, a 1994 pass out, sponsored scholarships for 20 deserving students from various departments. This gesture not only supports the academic pursuits of current students but also exemplifies the spirit of alumni support. A notable aspect of the event was the gathering of 85 alumni, spanning regions across the country and even reaching beyond borders. This diverse group pledged to contribute to the institute's legacy by establishing a special, well-furnished room for the Alumni House.





A MoU signed between Dr B R Ambedkar National Institute of Technology Jalandhar and Indian Institute of Technology (BHU) Varanasi on November 28, 2023. The primary objective of this MOU was to share and strengthen academic and advanced research developments.



A MoU signed between Dr B R Ambedkar National Institute of Technology Jalandhar and Indian Institute of Technology Delhi on November 29, 2023. The primary objective of this MOU was to develop cooperation and promote mutual understanding and excellence in practice-based education, research, and knowledge exchange between institutes so that the research and knowledge developed are used for further research and its application at the regional, national, and global levels.



In a grand tribute to the legendary Dr A P J Abdul Kalam on his birth anniversary, the National Institute of Technology, Jalandhar organized a two-day event on October 14- 15, 2023 celebrated National Innovation Day. The event was organized by Dean (R&C) coordinated by Team Technical Affairs of NIT Jalandhar. The Chief Guest for the event was Dr Dapinder Kaur Bakshi, Joint Director Punjab state council of science and technology.

The Guest of Honor was Prof Cham, a distinguished academic, and Mr Richard, a prominent figure in the world of entrepreneurship from Birmingham City University UK. Mr Sunil Chawla, DGM, Punjab Info tech graced the event as Special Guest. Registrar of NITJ graced the occasion with his presence. The event was a platform for engaging discussions and insightful talks on innovation, startup culture, entrepreneurship, and more. It aimed to inspire the budding innovators and entrepreneurs in the NITJ community to think creatively and take the road less travelled.



The National Service Scheme (NSS) unit of our Institute organized 'Amrit Kalash Yatra' on October 11, 2023. This 'Amrit Kalash Yatra' was the part of Meri Maati Mera Desh (MMMD) campaign aiming to pay tribute to our beloved 'Motherland and courageous 'Veers' who have made the supreme sacrifice for our nation. This yatra was flagged off by Prof Binod Kumar Kanaujia, Director NITJ, and pays tributes to the real heroes of the nation and submitting the soil and rice (akshat) in the 'Amrit Kalash'.



Yoga Awareness Camp held on October 5-6, 2023 was organized by Institute Yoga and Meditation Club at NITJ



Social Media Committee of 'The Institute Innovation Council (IIC)' at the National Institute of Technology (NIT), Jalandhar, celebrated Entrepreneurship Day on November 9, 2023.



Dr B R Ambedkar National Institute of Technology Jalandhar organized a digital exhibition on December 26, 2023 to commemorate 'Veer Baal Diwas' – a day dedicated to remembering the martyrdom of the beloved sons (Sahibjade) of Guru Gobind Singh Ji, Baba Zorawar Singh Ji and Baba Fateh Singh Ji. The event was graced by the Director of the institute, Prof Binod Kumar Kanaujia, esteemed faculty members, organizing committee of the Literary and Debating Club of the institute, and enthusiastic students. The session, conducted virtually by Prabjot Kaur and Amrit Singh, resonated with discussions on the sacrifice and valour of the young martyrs, fostering a sense of reverence and remembrance among the participants. The event also provided a platform for students to engage in thoughtful debates and literary expressions surrounding the historical significance of 'Veer Baal Diwas'.



### Charge of Director at IIIT, Una

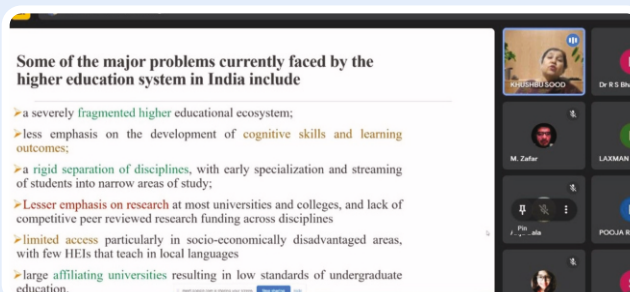
Prof Binod Kumar Kanaujia, Director NIT Jalandhar, has been conferred the charge of Director of the Indian Institute of Information Technology, Una by the Ministry of Education on December 22, 2023.



An MOU has been signed between Dr B R Ambedkar National Institute of Technology and KISCO India Private Limited (KIPL) under the Corporate Social Responsibility (CSR) Initiative. The MoU was signed by Prof Binod Kumar Kanaujia, Director of NIT Jalandhar, and Mr Rohit Khanna, Managing Director of KIPL in the presence of Dean Student Welfare and Smt Simmi Khanna. The main objective of this collaboration was to extend financial support to economically weak students (BPL category) at NIT Jalandhar.



NITJ celebrated National Education Day on November 11, 2023, in honor of Maulana Abul Kalam Azad & Institution's Innovation Council (IIC) organized an expert talk entitled 'Institute preparedness for NEP-2020 implementation' by Dr Meenakshi Sood, an associate professor at curriculum development department, NITTTR Chandigarh. She presented the salient features of National Education Policy (NEP-2020) in her talk describing the promotion of multidisciplinary and holistic learning experience, allowing students to choose subjects across streams and fostering a more well-rounded education, the integration of vocational education from the secondary level onwards, providing students with practical skills and making them more employable, and the creation of a National Educational Technology Forum (NETF) to facilitate the use of technology in education.



Mega Hostel for Girls Phase-II, G+11 building with a capacity of 840 students at a cost of Rs 77.14 Crores and a Knowledge Centre with a seating capacity of 400 Students at a cost of Rs 7.46 Crores have been completed at NITJ. Mega Girls hostel mess and Knowledge Centre are fully air-conditioned and also supported with other facilities like power back-up, wi-fi, socket internet, CCTV cameras, and passenger lift.

MEGA HOSTEL FOR GIRLS G+11



KNOWLEDGE CENTRE



The Pradhan Mantri Kaushal Vikas Yojana (PMKVY 4.0), the flagship scheme of the Ministry of Skill Development & Entrepreneurship, implemented by the National Skill Development Corporation, has been implemented at NITJ. The Department of Computer Science and Engineering launched the Web developer course of 2 months' duration on October 11, 2023. This is the second course launched by the institute in addition to the Data Entry Operator program already underway at the institute. The course will focus on fundamental to several important technologies related to web development in order to meet the increasing demand for industry-relevant skills. The course has received an overwhelming response from the youth across the country, with over 70 registrations.



## STUDENTS CORNER

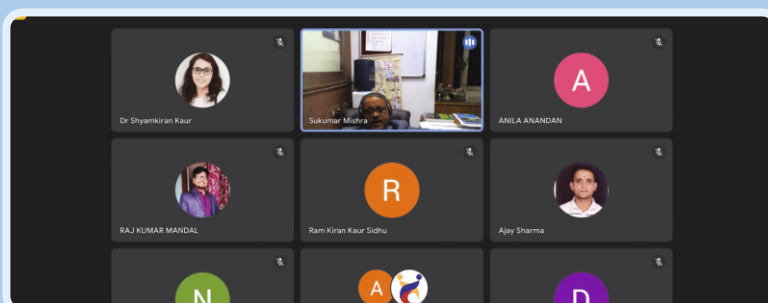
Institution's Innovation Council (IIC) and Yukti 2.0, NITJ organized an Inter- Institutional Idea Competition, IDEATHON 2.0, from November 17-19, 2023. The goal was to develop and present original idea(s) and reward the best ideas. Event received around 60+ registrations and 200+ participations, out of which 30 teams were shortlisted and called for a presentation. Teams working in the area of AI/ML, Resource Management, Finance, Waste management, EdTech etc. presented their ideas. Mentors from various domains like Computer Science and Engineering, Civil engineering, Chemical engineering, Bio-technology, Industrial and production engineering, and Electronics and communication engineering were present during the three-day event. During the event IIC office bearers, other faculty and staff members of the Institute were also present in the event. Team EvorRet, comprising Bhavya Goyal, Vyomika, and Ankush Malothia from the first year at NITJ, claimed the top prize of Rs. 5000. Meanwhile, Team JustOne and Team Lekhaks secured the positions of first and second runners-up, earning prizes of Rs. 3000 and Rs. 2000, respectively.



The Institution's Innovation Council (IIC) and Yukti 2.0 at NIT J hosted Ideathon 2.0 Mentorship Program from November 24-26, 2023. With a mission to ignite entrepreneurial spirit among students, the program fostered innovation, creativity, and problem-solving skills. Through mentorship and collaborative ideation sessions, aspiring entrepreneurs were equipped with the tools and guidance necessary to embark on their entrepreneurial journey. It marks a significant step towards cultivating a culture of innovation and entrepreneurship within the institute.

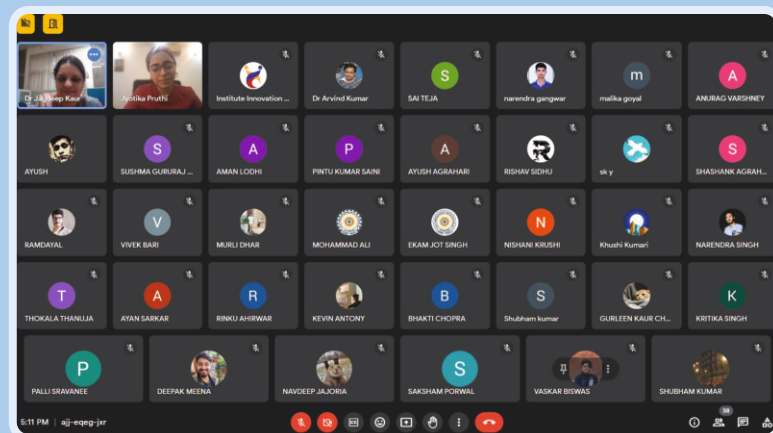
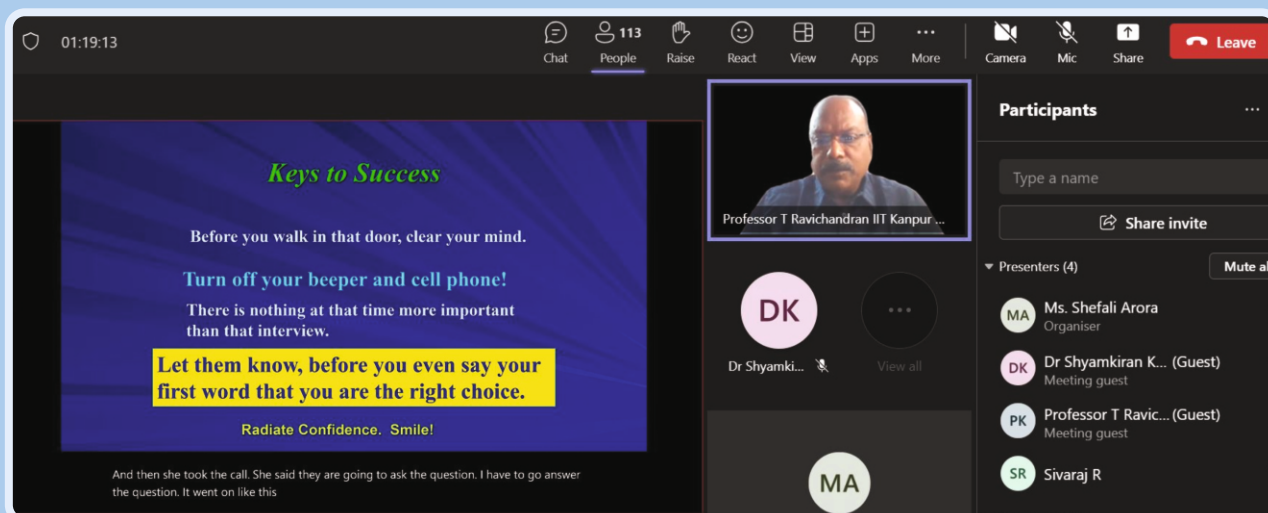
Under Vigyan Jyoti Program of Ministry of Science & Technology, Govt. of India, 49 girl students of class XII (Science stream) along with 5 teachers of Jawahar Navodaya Vidyalaya, Moga visited our institute on November 22, 2023 to see the laboratory facilities.

The social media club of Institution Innovation Council (IIC) NITJ organized a workshop on Entrepreneurship and Innovation on December 1, 2023. Professor Sukumar Mishra from IIT Delhi was the resource person of the workshop who enlightened the participants about entrepreneurship and various funding opportunities.





A National Workshop on 'Interview Skills' was organized on November 4-5 2023 by Literary and Debating Club and Centre for Training and Placement of our institute. The resource person for the event, Dr T Ravichandran, Professor of English in the Department of Humanities and Social Sciences at the Indian Institute of Technology Kanpur, enlightened the participants about the tips and tricks of participating and getting selected in an interview with clarity and confidence. He also taught them diverse methodologies of preparing for a successful job search, including researching industries and the job market as well as their abilities. He addressed the importance of understanding what hiring managers are looking for and how to get prepared to face today's top companies' interview strategies.



The Internship & Technical Affairs team of the Institution's Innovation Council (IIC), NITJ organized an online session on the My Story-Motivational Session by Successful Innovators, on November 17, 2023. The session was delivered by Dr Jyothika Pruthi, Principal Learning Design Consultant, Coursera, USA, a renowned education expert. Dr Pruthi's rich experience and stellar contributions to the field have earned her global recognition. Dr Jyothika Pruthi shared her journey and

insights, providing a unique perspective on the challenges and triumphs encountered in her career. Her engaging discourse focused on the importance of innovation, perseverance, and continuous learning in the ever-evolving landscape of education.

The enthralling 'Virasate e Panjab' celebration held at our Institute on November 1<sup>st</sup>, 2024 was a captivating cultural spectacle that vividly showcased the rich tapestry of Punjab's heritage. The event had attendees mesmerized with captivating exhibitions, spirited Gidha dances, and a delightful array of Punjabi culinary delights that left taste buds tingling. Serving as a testament to the profound beauty and diversity of Punjab's cultural legacy, it left an enduring impression of awe and gratitude toward all who contributed to crafting this unforgettable celebration.





The Institute's Student Mentorship Program (SAMP) committee recently organized an in-person workshop on October 7, 2023 facilitated by student coordinators from IIT Bombay. The workshop aimed at addressing and assisting mentors and mentees within the Institute. The coordinator of I-SAMP at NIT Jalandhar, welcomed the Director in-chair, Registrar, and Dean-Student Welfare, in addition to the special guests from IIT Bombay.

Coordinator provided valuable insights into the SAMP program running at NIT Jalandhar. Student coordinators from IIT Bombay then introduced the comprehensive SAMP program of their institution. They shed light on the meticulous efforts and procedures employed in assigning mentors to mentees. Moreover, they conducted a dedicated session for mentors, actively seeking their feedback and experiences. They offered guidance to mentors facing challenges and engaged in a constructive discussion regarding common issues that mentors might encounter, along with potential solutions. At the conclusion of this insightful session, mentors expressed their gratitude to all the guests and commended their valuable contributions.



A Git/GitHub awareness session was organized by the Cybernauts Society (IT department) for UG students along with Alumni talk on October 17, 2023.

The Mega Sports Carnival 2023 at NIT Jalandhar kicked off on October 5th, running through October 8th, under the esteemed inauguration by Director Prof Binod Kumar Kanaujia, accompanied by distinguished dignitaries like Registrar, Chief Warden, and Hostel Wardens of NITJ. This spirited event showcased exceptional athletic talent and a competitive zeal, offering a diverse range of sports activities that fostered camaraderie and healthy rivalries within the NIT Jalandhar community.





## Student's Accomplishments



- Vandana Sah participated in the Inter NIT Women Cricket Tournament organized by NIT Rourkela and secured the 1<sup>st</sup> Runner-Up position. The total number of participants is 50.



- Rajveer Singh participated in the All India Inter NIT Football Tournament 2023 - 24 hosted by NIT Durgapur, West Bengal.

- Farha Ismail participated in The Debate Turf - Let the Rebuttal Begin, debate competition and won the third prize held in NIT Jalandhar on 11 October 2023.

- Mr Aatif Altaf, M Tech ICE received IEEE STPEC 2023 Student Travel Award.

Startup 'Gaming Truck Wala' by Mr. Gaurav Seth, B Tech ICE Final Year Student NIT Jalandhar



एन.आई.टी. के छात्र ने बनाया  
भारत का पहला 'गेमिंग ट्रक'



भारत के पहले 'गेमिंग ट्रक' को लॉन्च करते हुए डा.  
कन्नौजिया व साथ हैं विद्यार्थी।

जालंधर, 14 दिसम्बर (स.ह.): एन.आई.टी. जालंधर के इंस्ट्रुमेंटेशन एंड कंट्रोल इंजीनियरिंग के अंतिम वर्ष के छात्र गौरव सेठ द्वारा निर्मित भारत के पहले स्टार्टअप 'गेमिंग ट्रक' का अनावरण एन.आई.टी. जालंधर के निदेशक, डा. विनोद कुमार कन्नौजिया ने किया।

इस दौरान एन.आई.टी. के डीन, अध्यापक गण और छात्र मौजूद रहे। यह गेमिंग ट्रक वर्चुअल रियलिटी (वी.आर.) सहित अत्याधुनिक तकनीकों से सुसज्जित है और इसे कहीं भी ले जाया जा सकता है। इस गेमिंग ट्रक के अंदर एक साथ कई बच्चे गेमिंग का आनंद ले सकते हैं। इसका मकसद बच्चों को गेमिंग का शानदार अनुभव उनके घर तक पहुंचाना है। यह ट्रक बच्चों के जन्मदिन अथवा अन्य पार्टियों के दौरान पार्टी वाले स्थल पर जाकर ही उन्हें गेमिंग अनुभव दे सकता है।

इस दौरान डा. कन्नौजिया ने गेमिंग स्टार्टअप बनाने वाले छात्र गौरव सेठ की सराहना करते हुए कहा कि उनका यह प्रयास अन्य छात्रों के लिए भी उद्यम की तरफ जाने के रास्ते खोलेगा।



## PLACEMENTS

## Placement of UG Students (Batch 2020-24)

Discipline	No. of Eligible Students	No. of Job Offers	No. of Double Job offers	No. of Students Placed	Maximum Package Lac Per Annum		Percentage
ECE	88	72	11	61	26.00	Nvidia	69.32
EE	49	45	4	41	19.80	Oracle	83.67
CSE	134	129	18	111	53.00	Google	82.84
IT	109	108	22	86	33.00	Atlassian	78.90
CHE	45	48	3	45	15.12	Amazon	100.00
ICE	84	83	16	67	26.00	Nvidia	79.76
CIVIL	61	40	1	39	15.12	Amazon	63.93
IPE	67	51	5	46	15.12	Amazon	68.66
ME	75	82	7	75	17.50	HPCL	100.00
BT	26	7	0	7	18.00	Bajaj Finserv	26.92
TT	50	28	1	27	12-18	Trident Group	54.00
Total	788	693	88	605			76.78

\*Placement detail of 2020-24 batch as on April 02, 2024

## Top Recruiters (Highest CTC)

Company Name	Package LPA
Google India	53
Amazon	51
Nvidia	37
PayPal University Team	34.4
Atlassian	33
Rapidfort Inc.	30
ServiceNow India	26.28
Cisco Systems (India) Private Limited	24.73
Goldman Sachs	24
Zscaler	23

## Top Recruiters (PSU's)

Name	No. of Selections	Package LPA
Bharat Petroleum Corporation Limited	10	19.48
HPCL, Mittal Energy Limited	7	9.20
C-DAC	7	7.00
HPCL, Rajasthan	5	10.39
C-DOT	4	19.5
HPCL	3	17.5





## Top Recruiters (Mass)

Company Name	No. of Selections
Genpact NextGen	52
Aarti Industries Limited	31
Reliance Industries Limited	23
Accenture	19
Maruti Suzuki India	19
IOL Chemicals and Pharmaceuticals Ltd.	17
Delhivery Limited	15
Technip Energy	15
Flipkart India	14
MAQ Software	12
Subros Limited	12
Oracle India	11
Amazon	11
Bharat Petroleum Corporation Limited	10
Trident Group	10
Hero Motor Corp	10
Incedo	10
Mphasis	10

## Major Recruiters

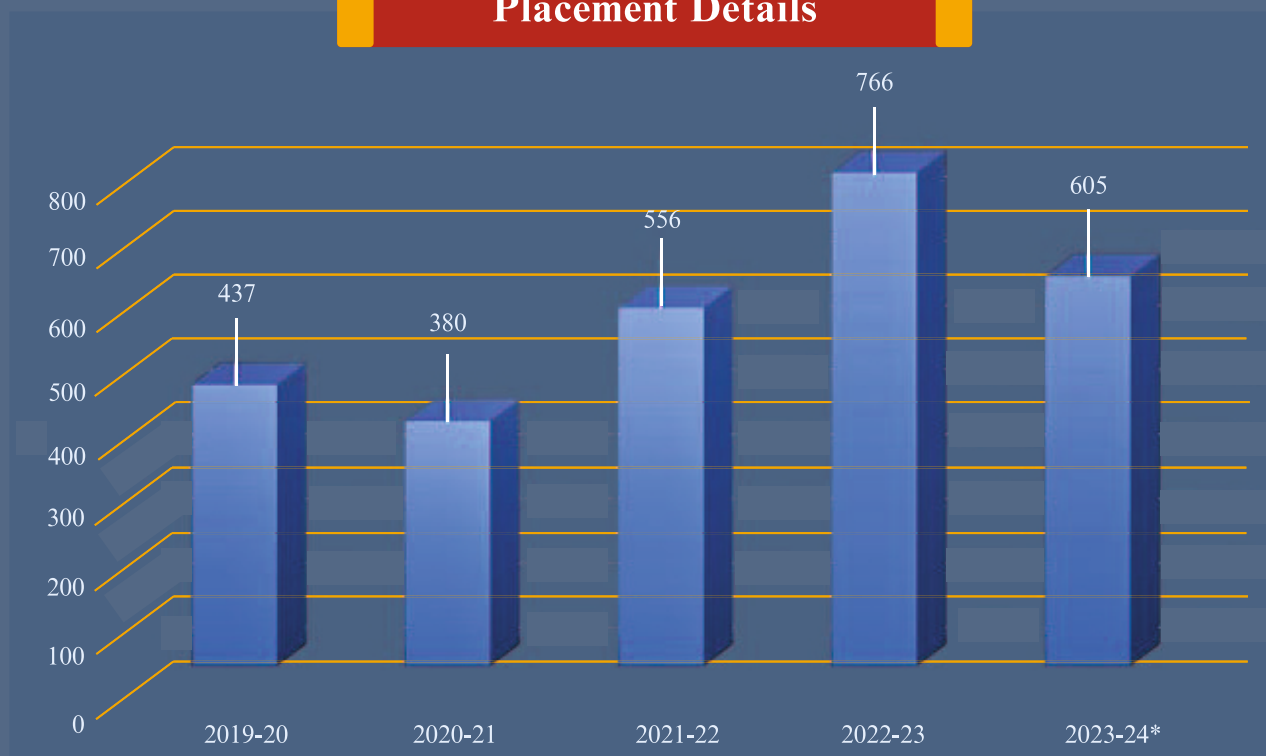
- Bajaj Finance Limited
- L&T Limited
- C-DAC
- Hero Motor Corp
- Service Now India
- MAQ Software
- Microsoft
- Intel
- Atlassian
- Nvidia
- Cvent India
- Hyundai Motors
- Oracle India
- HCL Tech
- Google India
- Optum
- Genpact NextGen
- TA Digital
- Tredence
- HPCL
- Fastenal India
- Bajaj Finserv
- Flipkart India
- Nokia
- Avalara India
- Suzuki Motors
- Blackrock
- Aarti Industries Limited
- Qbit Labs Pvt. Ltd.
- Samsung Research Noida
- CLOUDSUFI India Pvt. Ltd.
- Samsung Engineering
- Adobe
- Cairn Oil India Pvt. Ltd.
- Airtel Bharti
- Himatsingka
- Amantya Technology
- Delhivery Limited
- Incedo
- Vardhman Textile Limited
- Rapidfort Inc.
- HPCL, Rajasthan
- Trianz
- Daimler Truck Innovation Center India
- Amazon
- Nayara Energy Limited
- Technip Energy
- HPCL, Mittal Energy Limited
- Jubilantfood works
- Afcons Infrastructure Ltd.
- Oceaneering
- Bharat Petroleum Corporation Limited
- Trident Group
- Subros Limited
- Moody's
- Havells
- Tesco
- Mphasis
- Citi Bank
- Arvind Limited
- Reliance Industries Limited
- Dell India
- Ashok Leyland
- Axtia
- Maruti Suzuki India
- Future First



offered Maximum Package of

**53 LPA**

## Placement Details



\*Placement detail of 2023-24 as on April 04, 2024

## FACULTY ACCOMPLISHMENTS

### Intellectual Property Rights (IPRs)

Patent granted to Dr Hemant Chore, Bhupati Kannur and Dr Senthil Kasilingamto, 'A Composition of Self-Consolidating Concrete and Industrial Waste Sugarcane Bagasse Ash for Construction of Road Pavements', Patent No. 489592.

Patent granted to Dr L P Singh:

'Transfer assisting Device for patent handling in anesthesia condition'.

'Real time posture analysis system using depth sensors camera'.

*The list of Intellectual Property Rights is available at the institute website at:*

<https://www.nitj.ac.in/template/index.html?id=64cb39050bec0be338f92ad4?category=newpage>

### Sponsored Research Projects Granted

Dr Mohit K Saini, Department of Information Technology received a project as Co-PI from Council of Science & Technology, UP (CSTUP) on title 'Smart Brinjal farming and supply chains to enhance crop profitability using IoT and Blockchain' (Project ID: 2455) amount of 12 lakhs.

*For more details, the list of Sponsored Research Projects is available at the institute website at:*

<https://www.nitj.ac.in/template/index.html?id=64cb39050bec0be338f92ad4?category=newpage>



## Major Faculty Accomplishments

**Prof Rohit Mehra**, Dept of Physics delivered an Expert talk on ‘Standardization in the process for measurement of Radon and Thoron and their progenies in the environment using SSNTD’ at the 28<sup>th</sup> International Conference on Nuclear Tracks and Radiation Measurements (28<sup>th</sup> ICNTRM-2023) at Guru Gobind Singh Indraprastha University (Govt. of NCT of Delhi), New Delhi, India held from 6-10 November 2023.

**Prof Tangellapalli Srinivas**, Dept of Mechanical Engineering, delivered an invited talk on Solar energy collection and utilization in polygeneration on October 19, 2023, during a five-day training program on ‘Solar Farming’ at the National Institute of Agriculture Extension Management (MANAGE), Hyderabad from October 16 to 20, 2023.

**Dr Shefali Arora Chouhan**, Dept of Computer and Science Engineering received a ‘Wipro Certified Faculty’ Certificate from Wipro for attending a three-week full-stack Java programme during October to December 2023.

**Dr Rajneesh Rani**, Dept of Computer and Science Engineering delivered an Expert talk in the Short-Term Course on ‘Advanced Optimization Techniques for Engineering Applications (AOTEA(W)-2023)’, organized by the Department of Computer Engineering, National Institute of Technology Kurukshetra from December 26-30, 2023.

**Dr Mohit K Saini**, Dept of Information Technology delivered

- Expert talk in a 5 days FDP on ‘Security Challenges in Fog/Edge of Computing’ organized by MNNIT Allahabad from October 16 - 20, 2023.
- Expert talk in FDP on ‘Recent trends in Deep learning & Large language model’ jointly organized by IIT Roorkee and Delhi Technical campus, Greater Noida, from October 09 – 13, 2023 .
- Expert talk on the topic ‘Resource scheduling in Cloud Computing’ in the Department of AI Convergence Network, Ajou University, South Korea on December 7, 2023.

**Dr Vijay**, Dept of Information Technology delivered an expert talk on ‘Medical Image Segmentation’ in a 5 days FDP on ‘Artificial Intelligence and Computational Imaging in Healthcare’ scheduled organized by CSIR-CSIO, Chandigarh, from November 20 – 24, 2023.

**Dr Mahendra Kumar**, Dept of Instrumentation and Control Engineering received the Best Paper Award for the entitled “Polynomial Control Strategy for Enhanced PI Controllers in Multivariable Processes: Design and Analysis” at the International Conference on Materials Processing using Lasers and Surface Engineering (IMPULSE 2023), December 14-15, 2023, IIT Madras.

**Dr Balwinder Raj**, Dept of Electronics & Communication Engineering delivered an expert talk on ‘Role of VLSI in Emerging Wireless Communication Technologies’ in one week FDP conducted by Dept of ECE, NITTTR Chandigarh on October 13, 2023.

**Dr Vickram Jeet Singh**, Department of Chemistry, received the ‘Professor Shantilal Oswal Young Scientist Award’ from the Indian Thermodynamics Society during the 13th National Conference on Thermodynamics of Chemical and Biological Systems (NCTCBS 2023) during October 26-28, 2023.



Dr Mukesh Bajya, Dept of Textile Technology delivered

- An online expert talk on 'Nonwoven Technologies' in NIFT Shillong on November 17, 2023.
- Conferred with IEI Young Engineers award 2023-24 for best contribution in Textile Engineering division by the Institution of Engineers (India).



## INSTITUTE RANKING

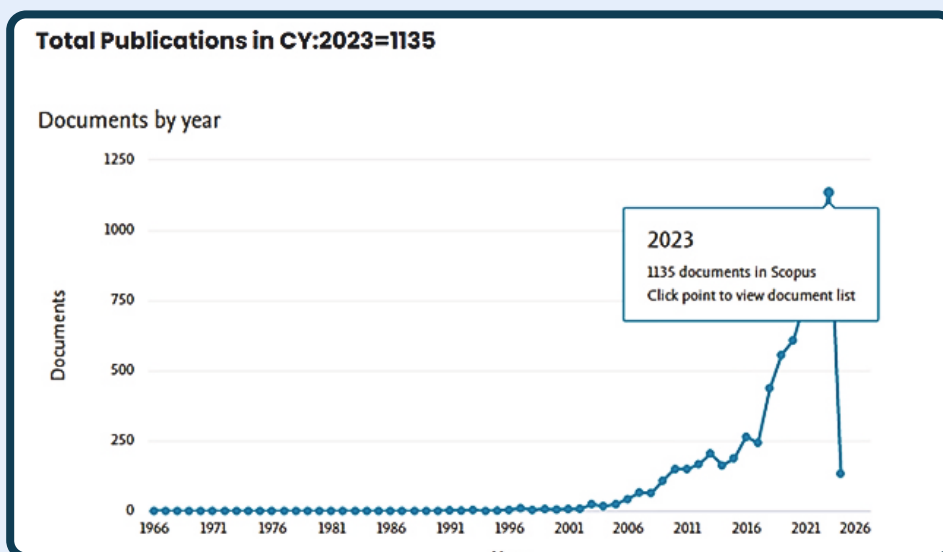
Agency	Rank
NIRF (2023)	Ranked 46 <sup>th</sup> in Engineering Ranking and 72 <sup>nd</sup> in Overall Ranking
ARIIA RANKINGS BY MINISTRY OF EDUCATION (2023)	Placed in the band of 11 <sup>th</sup> - 50 <sup>th</sup> rank
AD SCIENTIFIC INDEX (2023)	Ranked 45 <sup>th</sup> amongst all Indian University/Institutes according to total h-index
TIMES HIGHER EDUCATION ASIA & YOUNG UNIVERSITY RANKINGS (2023 & 2024)	Placed in ranking band of 351-400
TIMES HIGHER EDUCATION WORLD UNIVERSITY RANKING (2024)	Ranked in the ranking band of 1001-1200
	Ranked amongst Global Universities under Engineering Category in the ranking band 801-1000
QS ASIA UNIVERSITY RANKINGS (2024)	Placed in the ranking band of 651-700 among Asian Universities
	204 <sup>th</sup> among Southern Asia Universities
	6 <sup>th</sup> amongst all ranked NITs



## RESEARCH PUBLICATIONS

### International Journals

NIT Jalandhar has recorded a total of 1135 Scopus Publications (2023).

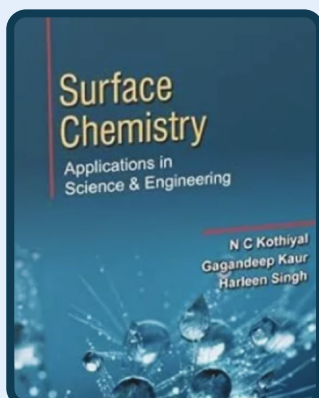


Scopus Link:

<https://www.nitj.ac.in/template/index.html?id=64d0d8abed9a6e3506b3df6b?category=newpage>

### Book Published

- Surface Chemistry - Applications in Science & Engineering - N.C. Kothiyal (NIT Jalandhar), Gagandeep Kaur and Harleen Singh (Kanya Maha Vidyalaya, Jalandhar) ISBN: 9788119662395, Ane Books Pvt. Ltd., 2024.
- Department of ECE NITJ published a book in collaboration with KTH University Sweden and Oxford Brookes University UK, on 'Nanoscale Memristor Device and Circuits Design,' Micro & Nano Technology Books, Elsevier, Nov 2023 (ISBN: 9780323907934) edited by Balwinder Raj, Ahmed Hemani, Abusaleh Jabir, and Saurabh Khandelwal.



## GLIMPSES OF MEDIA COVERAGE

**बीआईएस ने डॉ. बीआर आंबेडकर एनआईटी जालंधर में बेहतर दुनिया के लिए साझा दृष्टिकोण विषय पर मानक महोत्सव मनाया**

सवेरा न्यूज जालंधर, 7 अक्टूबर : शनिवार को भारतीय मानक ब्यूरो (बीआईएस)-जम्मू और कश्मीर शाखा कार्यालय (जेकेबीओ) ने डॉ. बीआर आंबेडकर



**दैनिक सवेरा**

एनआईटी को प्रयोगशाला बनाने के लिए मिली 1.90 करोड़ रुपए की वित्तीय सहायता



**दैनिक सवेरा**

एनआईटी जालंधर का 18वां वार्षिक दीर्घांत समारोह

**ज्ञान अर्थव्यवस्था में, शिक्षा समृद्धि और समावेशी विकास का एकमात्र साधन है : बनवारी लाल पुरोहित**



**प्रो. विनोद कन्नौजिया ने किया उन्नत उद्यमिता कौशल विकास कार्यक्रम का उद्घाटन**

जालंधर, 4 दिसंबर (विशेष) : डॉ. अमित कुमार सिंह भी विशेष रूप



**एनआईटी के 400 प्रतिभागी मोबाइल कांग्रेस से जुड़े**

प्रधानमंत्री के मोबाइल कांग्रेस-2023 प्रोग्राम में शामिल एनआईटी के निदेशक प्रो. बीके कन्नौजिया, रजिस्ट्रार प्रो. अजय बंसल सहित संकाय सदस्य एसी. एनआईटी

जागरण संवाददाता, जालंधर : रजिस्ट्रार प्रो. अजय बंसल, डीन, प्रधानमंत्री नरेन्द्र मोदी ने भव्य संकाय सदस्य और पीएचडी समारोह में बहुप्रतीक्षित भारतीय अनुसंधान विद्वानों सहित 400 से



**NIT textile dept gets**

Scholars of Dr BR Ambedkar NIT Jalandhar get research grants worth Rs 6.78 crore from Ministry of Textiles. TRIBUNE PHOTO



**क्यू.एस. एशिया यूनिवर्सिटी रैंकिंग-2024 में एन.आई.टी. जालंधर को रैंकिंग बैड में 651वां स्थान मिला**

सवेरा न्यूज/जगजीत डोगरा जालंधर, 10 नवंबर : डॉ. बी.आर. आंबेडकर राष्ट्रीय प्रौद्योगिकी संस्थान जालंधर (एन.आई.टी.जे.), पंजाब को एशिया के सर्वोच्च संस्थानों/विश्वविद्यालयों के रैंकिंग बैड 651-700 और क्यूएस एशिया यूनिवर्सिटी रैंकिंग-2024 में देश के सर्वोच्च संस्थानों/विश्वविद्यालयों में 102वां स्थान पर रखा गया है।

उपलब्ध है। संस्थान के निदेशक प्रोफेसर विनोद कुमार कन्नौजिया ने एन.आई.टी. जालंधर में हुए विशेष विकास जैसे कि एन.आई.टी.एफ./क्यू.एस./टी.एच.ई. रैंकिंग में शीर्ष रैंक वाले संस्थानों/विश्वविद्यालयों से संकाय को शामिल करना जिससे संकाय-छत्र अमल में जटिल इन्हें प्रोत्साहित और के मामले में इस वर्ष सं अनुसंधान परिणामों में उत्तुंग पर जोर दिया। उनके कक्षा, हम अपनी विश्वकक्षा संघासनाओं को बेहतर बनाने विदेशी विश्वविद्यालयों से सहयोगात्मक अनुसंधान परियोजनाओं को बढ़ाने को केंद्रित कर रहे हैं। ये इस बात को जते हैं कि यह रैंकिंग एन



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