



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

DR B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY JALANDHAR

Volume 9, Issue 1 March 2024



NIT Jalandhar has been placed in rank band of **301-400** in  
**‘THE (Times Higher Education) Asia and Young University Ranking 2024’**



### *From The Director's Desk*



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

It gives me great pleasure to announce the latest advancements and achievements at NIT Jalandhar. We have made significant strides in our academic and research endeavours, showcasing our commitment to excellence and innovation.

The institute witnessed significant growth in global rankings with a proud standing in the rank band of 651-700 amongst the Asian Universities, 204<sup>th</sup> position amongst Southern Asia Universities, and 6<sup>th</sup> position amongst all ranked NITs in QS Asia University Rankings 2024. The institute saw notable growth in yet another major global ranking, being placed at 301-350 rank band of Young University Rankings, 351-400 band in Asia University Rankings,

801-1000 band in Engineering and Technology, while 1000-1200 in World University Rankings released by THE (Times Higher Education). With great enthusiasm, NIT Jalandhar has introduced fresh undergraduate programs in Electronics and VLSI Engineering, Data Science, and Engineering. Newly launched M-Tech courses including Industrial Engineering and Data Analytics, Mathematics and Computing, and so on demonstrate the institute's dedication to staying at the forefront of technical development. In addition, the institute's allegiance for offering excellent infrastructure has been envisioned with HEFA-approved projects totaling about ₹240 crores. Several infrastructure projects like Mega Boys for Boys Phase-III, and 54 Type IV houses are being planned. The institute's research initiatives have yielded over 60 sponsored projects and collaborative projects that faculty have bagged, totaling over 20 crores in funding. A ₹5 lakh seed grant has been awarded to each of the recently hired faculty members. Around 66 IPRs have been filed, and more than 1100 research papers have been published in esteemed journals. For the institute to run smoothly, the procedure of hiring and promoting more than 136 staff members has been finished. Students are getting placed; to yet, the largest package offered has been ₹62 lacs.

In an effort for continual education and improvement, the institute has recently hosted various-sponsored One-Week Entrepreneurship and Skill Development Training Programme (ESDP), Short-Term Courses, and workshops with great fervour. Our Institution's Innovation Council (IIC) also successfully concluded an 'Achieving Problem Solution Fit and Product Market Fit' session, featuring Mr Pankaj Atri, Joint Director at BIS, as the keynote speaker. Furthermore, a transformative two-day workshop on Design Thinking, Critical Thinking, and Innovation Design was held. The event featured sessions by Mr Sushant Bahadure from Siemens, and Mr Gagandeep Khatwal, founder of Infinity Industrial Automation, who provided valuable insights into industrial automation. These events exemplify our institution's commitment to fostering innovation, skill development, and industry-academia collaboration. Our success is not only measured by the events we organize but also by the impact they have on our students and the broader community. The knowledge and skills imparted through these programs empower our students and faculty to excel in their respective fields, driving forward our mission of academic excellence and societal contribution.

I extend my heartfelt gratitude to all the organizers, participants, and distinguished guests who have contributed to making the events successful. Together, we are building a future where our institution continues to thrive as a beacon of knowledge, innovation, and leadership.

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 NIT Jalandhar, Punjab!

It gives me immense pleasure to reflect on the recent accomplishments and events at Dr B R Ambedkar National Institute of Technology Jalandhar. Our commitment to fostering innovation, academic excellence, and community engagement remains unwavering.

I take this opportunity to highlight institute's important events organized during the period. On the occasion of National Science Day 2024, the Institution's Innovation Council (IIC) and Incubator-TBI organized a series of events under the theme 'Indigenous technologies for Viksit Bharat'. The event, graced by dignitaries such as

Shri Harkesh Mittal and Dr Dapinder Kaur Bakshi, included prototype demonstrations, poster presentations, and start-up pitching, attracting over 200 participants from various institutions. A notable highlight was the launch of the Kids Electric Cyclea start-up product by TBI, NIT Jalandhar.

Our institution also witnessed the signing of two significant Memorandums of Understanding (MoUs), one with the Indian Institute of Technology, Roorkee, focusing on joint PhD programs, skill development, and promoting technology in various sectors. Additionally, MoU has also been signed with the Amritsar Group of Colleges (AGC), Amritsar, to initiate an Integrated M-Tech. PhD (IMP) Programme. This program aims to provide B-Tech students from other institutions the opportunity to pursue advanced degrees at NIT Jalandhar.

The celebration of the 14<sup>th</sup> National Voters' Day, saw enthusiastic participation from our community, reinforcing our commitment to democratic values. Nearly 250 students, staff, and faculty members took a pledge to uphold the dignity of free and fair elections. This was followed by various events aimed at increasing voter awareness and participation. Department of Humanities and Management organized a one-day workshop on 'Women Empowerment and Financial Inclusion through Sukanya Samridhi Yojana', sponsored by the Indian Council of Social Science Research (ICSSR), the workshop aimed to highlight the transformative impact of the Sukanya Samridhi Yojana (SSY) scheme, with participation from over fifty professionals from various sectors.

The institution also celebrated the 75<sup>th</sup> Republic Day with great enthusiasm. The event featured a parade, cultural programs, and speeches that highlighted our institute's achievements and future aspirations. Prof Binod K Kanaujia, our Director, emphasized the importance of technology in education and our role in national progress. Utkansh'24, our cultural festival, with vibrant performances and competitions, showcased the immense talent within our student community. The festival featured a variety of events, including 'Shutup N Dance', 'The Voice', and a spectacular Fashion Show.

Additionally, our institution has been actively participating in the 'Mera Pehla Vote Desh Ke Liye' campaign, raising awareness among new voters through various activities and a rally organized by our NSS unit. The Martyr Day of Bhagat Singh, Rajguru, and Sukhdev, was celebrated honouring their legacy with heartfelt tributes and performances that stirred a sense of patriotism among attendees.

I extend my heartfelt gratitude to all faculty members, staff, and students for their dedication and active participation in these events. Together, we continue to uphold the values and standards that define our institution.

Warm regards,

**Prof Ajay Bansal**  
Registrar

## CONTINUING EDUCATION

### MSME SPONSORED ENTREPRENEURSHIP AND SKILL DEVELOPMENT TRAINING PROGRAMS

Department of Chemistry and Integrated Teacher Education Programme (ITEP), Dr B R Ambedkar NIT Jalandhar conducted MSME sponsored One Week Entrepreneurship and Skill Development Training Programme (ESDP) on **‘Skill Development in Post-Harvest Technology and Natural Farming for Unemployed Youth’** during January 29 to February 3, 2024. The course spanned over a week, featuring an intensive curriculum covering topics such as natural farming practices, and post-harvesting technology. Twenty-five unemployed youth graduates participated and benefited from this workshop.

Expert lectures and practical hands-on demonstrations were carried out by two eminent experts: a) Dr Narender Singh, Prof & Former Head KVK-UHF Solan (Natural Farming), and b) Dr J C Bhardwaj, Sr Extension Specialist (Retd), UHF Solan (Post-Harvest Technology). They were invited to share their expertise, providing valuable insights into the challenges and opportunities in the agricultural and post-harvest techniques. Expert lectures covered the various topics related to Natural farming and Post-Harvest technology like:

- Scope and prospect of Natural Farming in India,
- Composting and Vermicomposting,
- Different natural products used in Natural Farming,
- Mushroom cultivation,
- Cultivation of sub-tropical fruits in Punjab,
- Post-harvest management of fruits,
- Post-harvest management of vegetables,
- Preparation of jams, jelly from post-harvest fruits and vegetables,
- Preparation of Mix fruit jam, Apple jelly, Citrus Marmalade, Black Grape Juice, Green Grape Juice, Guava Jelly, Gajar morabba, Amla morabba, Tomato sauce, Lime squash, etc.



MSME sponsored ESDP on **‘Management of Startups and Business (MSB)’** (in Punjabi, English, and Hindi) was organized by the Department of Humanities and Management during February 12-16, 2024.

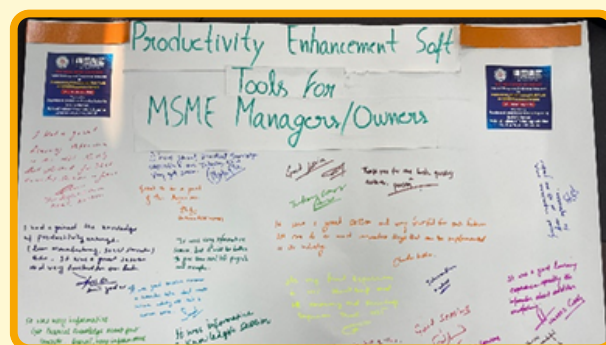


MSME sponsored ESDP on 'Finance for Non-Finance' was organized by the Department of Humanities and Management during January 29-February 2, 2024.



One Week Advanced Management Development Programme on 'Productivity Enhancement Soft Tools for MSME Managers/Owners' was successfully conducted by the Department of Industrial and Production Engineering, Dr B R Ambedkar NIT Jalandhar during January 25-30, 2024.

Sponsored by the Ministry of Micro, Small and Medium Enterprises (MSME), Government of India, this offline program aimed to enhance the productivity, profitability, and competitiveness of MSMEs by equipping managers, supervisors, and owners with the latest industry tools and techniques. The MDP was tailored to address the specific needs of professionals from diverse sectors, with a notable representation from different industries and academia. The curriculum included comprehensive modules on Lean Manufacturing, Quality Management, Inventory Management, and Product Development through Additive Manufacturing. The event saw participation from over 50 representatives from various esteemed organizations, including Hero Electric Vehicle Pvt. Ltd, Universal Sports Industries, Freewill Sports Pvt Ltd, Vishal Tools and Forgings, Maa Forge & Cast, and Raftaar Professional Engineering Co. The program was enriched by the insights of distinguished experts such as Mr Sudhir Gera (Director, IEC Electric Power Ltd), Mr Avinash Garg (Director, Unipro World Private Limited), Mr Atul Verma (Sr Technical Consultant, Anatech Consulting Services), Dr Balbir Talwar (Ex Executive Director, HR&CC, Bharat Heavy Electricals Ltd), and Mr Tanmay Mukherjee (CEO, Zeta Consulting), who shared their extensive knowledge and experience.



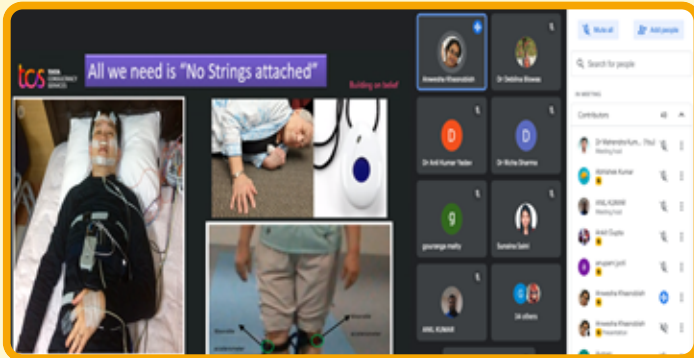
## STC / FDP

Self-Sponsored Online Short-Term Course 'Instrumentation, Cryogenics and Composites (ICC-2024)' was successfully conducted by the Department of Instrumentation and Control Engineering, Dr B R Ambedkar NIT Jalandhar during January 3-7, 2024. Honorable Director, Prof Binod K Kanaujia, inaugurated the event in the presence of the Head of the Department and course organizers. The inauguration was followed by the session from Prof S Kasthuriangan, IISc, Bangalore, who dwelled upon 'Cryogenic Technology Fundamentals and Applications.'

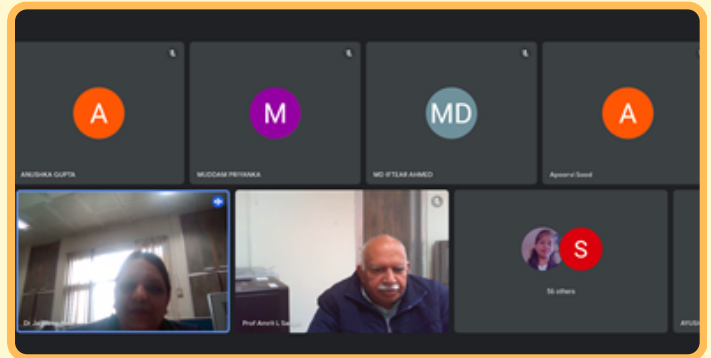


## DR B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY JALANDHAR

Self-Sponsored Online E-Short-Term Course '**Cutting-edge Advancements in Biomedical Engineering: Lab to Industry (CABE 2024)**', was successfully conducted by the Department of Instrumentation and Control Engineering, Dr B R Ambedkar NIT Jalandhar during January 8-12, 2024.



One-week E-Short-Term Course '**Industry 4.0 Challenges and Interdependencies**' sponsored by Agmatel India Pvt Ltd Delhi was successfully conducted by Department of Computer Science and Engineering, NIT Jalandhar during February 19-23, 2024.



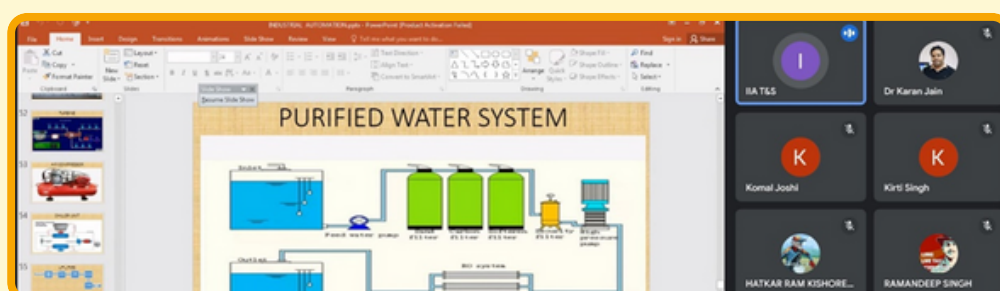
Self-Sponsored Online Short-Term Course '**Optimization and Control Design Techniques Innovations and Challenges (OCDT-2023)**' was successfully conducted by the Department of Instrumentation and Control Engineering, Dr B R Ambedkar NIT Jalandhar during January 25-29, 2024.



- One Week Online Short-Term Course '**Machine Learning and Deep Learning for Realtime IoT Applications**' was successfully conducted by the Department of Information Technology, Dr B R Ambedkar NIT Jalandhar during March 14-18, 2024.
- One week short-term course '**Creative Writing**' was successfully conducted by Department of Computer Science and Engineering, NIT Jalandhar during January 12-16, 2024.

## WORKSHOPS / WEBINAR

NITJ hosted transformative Two-Day Workshop on '**Design Thinking, Critical Thinking, and Innovation Design**', during January 27-28, 2024. The first day of the National workshop marked the presence of Mr Sushant Bahadure, an Advanced Software Engineer at Siemens. Mr Bahadure presented a session titled 'Transitioning from Academia to Agile: Embracing Coding Practices.' On the second day of the workshop, Mr Gagandeep Khatwal, the founder of Infinity Industrial Automation, graced the event and deliberated on Industrial Automation, offering valuable insights for students seeking employment in sectors like steel plants, chemical industries, oil-refineries, etc., and contemplating the establishment of a start-up in the same field. The overarching goal of the workshop was to establish a platform for experts, researchers, and professionals from various domains to converge and deliberate on the latest trends, advancements, and challenges associated with the process of transforming innovation into successful start-ups.





The Institution's Innovation Council (IIC) at Dr B R Ambedkar National Institute of Technology Jalandhar recently concluded a session on '**Achieving Problem Solution Fit and Product Market Fit**' with resounding success on Feb 18, 2024. The event, aimed at fostering innovation and entrepreneurship among students, featured Mr Pankaj Atri, Joint Director at the Bureau of Indian Standards (BIS), as the keynote speaker. During his insightful address, Mr Atri delved into the significance of the standard formulation process of products and the ISI mark, providing attendees with vital insights into the promotion of standards in market products. The session also emphasized BIS's crucial role and core activities, including standardization, conformity assessment, laboratory activities, hallmarking, training, and consumer protection. Attendees gained valuable insights about the BIS CARE App and its online portals, which play a crucial role in promoting quality standards and consumer protection. The interactive Q&A session allowed students to engage directly with Mr Atri, facilitating the clarification of doubts and enhancing their understanding of the subject matter.



The Department of Humanities and Management at Dr B R Ambedkar National Institute of Technology Jalandhar, organized a one-day workshop on '**Women Empowerment and Financial Inclusion through Sukanya Samridhi Yojana**' on February 22, 2024. Sponsored by the Indian Council of Social Science Research (ICSSR), the workshop focused on assessing the impact of Sukanya Samridhi Yojana as a tool for financial inclusion for women. The workshop welcomed over fifty participants from various sectors including education, research, postal services, and banking. The primary goal of the program was to highlight the transformative impact of the Sukanya Samridhi Yojana (SSY) scheme. Distinguished speakers including Mr Sidharth Shankar Sharma, Advisor-Department of Co-operation, Haryana Government, Dr Subhash Sharma, Director of the Centre for Economic Policy Research, Dr Rekha Kalia Bhardwaj, a noted academican and educationist, and Mr. Anurag Ambasta, Divisional Manager at Canara Bank, shared their insights during the event. Dr Radhakrishna G S, the project director, elaborated on the research methodology adopted for the project and highlighted the interesting findings. Dr Subhash Sharma discussed various women empowerment schemes implemented by the government, while Mr Sidharth Shankar Sharma explored the advantageous dimensions of Sukanya Samridhi Yojana. Dr Rekha Kalia Bhardwaj addressed the audience on the necessity and strategies for fostering women empowerment and motivated the audience to strive for genuine and impactful women empowerment. The participants were encouraged to provide recommendations and suggestions to enhance policy efficiency and effectiveness in the coming years. The session concluded with a vote of thanks and honoring of the guests.



## IMPORTANT EVENTS

### 19<sup>TH</sup> CONVOCATION

Dr B R Ambedkar National Institute of Technology Jalandhar, hosted its 19<sup>th</sup> annual convocation ceremony on March 16, 2024. The event, graced by Honourable Chief Guest Dr Samir V Kamat ji, Secretary of the Department of Defence R&D and Chairman of DRDO, was attended by esteemed dignitaries, faculty members, staff, and proud families of the graduating students. A total of 1,504 students were conferred degrees during the convocation. The degrees conferred included PG diploma (3), B Tech (1,064), M Tech (253), MSc (92), MBA (32), and PhD (60). During his address, Prof Binod Kumar Kanaujia, Chairman, Board of Governors cum Director, NIT Jalandhar, congratulated the graduates and encouraged them to contribute positively to the society. He emphasized the pivotal role engineers play in transforming ideas into tangible solutions, particularly in India's rapidly evolving technological landscape. Prof Kanaujia highlighted the institute's recent achievements, including its ranking among the top 50 engineering institutes in India and its significant improvement in global rankings.



### MOU's

- Dr B R Ambedkar National Institute of Technology Jalandhar, Punjab, signed a Memorandum of Understanding (MOU) with the Amritsar Group of Colleges (AGC), Amritsar, Punjab at NIT Jalandhar for a period of five years on January 15, 2024. Prof Binod Kumar Kanaujia, Director, NIT Jalandhar, and Prof Gaurav Tejpal, Principal, AGC, Amritsar, signed the MoU with the primary objective of starting an Integrated M-Tech PhD (IMP) Programme in accordance with the norms of NIT Jalandhar. The event was graced by Dr Rajnish Arora, ex-vice Chairman, Punjab Technical University, and Prof Ajay Bansal, Registrar, NIT Jalandhar. The program aims to provide an opportunity for B-Tech students from other institutions/universities to pursue M-Tech and PhD programs at NIT Jalandhar. The duration of the program is 5 years from the date of registration in the IMP program, with a provision of extension per semester for a maximum of 3 years. Prof Kanaujia expressed happiness regarding this MoU and the academic opportunities it will bring to the students of Punjab.



- Dr B R Ambedkar National Institute of Technology Jalandhar, Punjab, signed a MOU with the Indian Institute of Technology, Roorkee, Uttarakhand, for a period of five years on February 5, 2024. The agreement was signed by Prof Binod Kumar Kanaujia, Director, NIT Jalandhar, and Prof Kamal Kishore Pant, Director, IIT Roorkee. The primary objectives of this MOU include a joint PhD program, alignment with the National Education Policy, skill development, promoting technology in energy, biomass, agriculture, food processing, capacity building, and MSME for the development of the Hindu Kush Belt and Punjab. Both institutes can collaborate on joint publications and submit joint project proposals for the nation's growth.



- Dr B R Ambedkar National Institute of Technology Jalandhar, Punjab, signed a MOU with various major hospitals of Jalandhar as per CGHS rates for cashless treatment for the employee and their dependents.



## NATIONAL YOUTH DAY

Dr B R Ambedkar National Institute of Technology Jalandhar celebrated the National Youth Day on Jan 12, 2024. This day is commemorated as the birth anniversary of Swami Vivekananda ji, one of the greatest philosophers and spiritual leaders. This day is also known as Yuva Diwas. It is celebrated to inspire the youth with Swami Vivekananda's teachings, way of life, and thoughts. Prof Binod K Kanaujia, Director NIT Jalandhar, addressed the students and encouraged them to think innovatively, aspire start-up, and problem-solving aptitude to contribute to Vikshit Bharat@2047. The Director also motivated the students to register themselves on the My Bharat portal. The arrangement was made for the live telecast of the Inaugural Ceremony of the 27 National Youth Festival and the Hon'ble Prime Minister's speech.<sup>th</sup> This year's theme of the National Youth Festival was 'MYBharat-ViksitBharat@2047 - By the Youth, For the Youth'.





## NATIONAL STARTUP DAY

National Startup Day was celebrated by the Institute Innovation Council (IIC), NIT Jalandhar on January 16, 2024.



## NATIONAL VOTERS

Dr B R Ambedkar National Institute of Technology Jalandhar celebrated the '14th National Voters' Day on January 25, 2024. The day aims to promote people's participation in elections by encouraging and felicitating young voters and increasing voter enrolment. A pledge to uphold the democratic traditions of our country and the dignity of a free, fair, and peaceful election was taken by nearly 250 students, staff, and faculty members of the institute. Prof Binod K Kanaujia, Director, and Prof Ajay Bansal, Registrar, motivated all the attendees to enthusiastically participate in the electoral process to achieve a true sense of democracy. The theme for this year's National Voters' Day was 'Nothing Like Voting, I Vote For Sure'.



The Institutions Innovation Council (IIC), NIT Jalandhar, is honored to have received the Best Poster Award at the IIC Regional Meet hosted by Amity University Jaipur, Rajasthan on January 4, 2024. NIT Jalandhar extends heartfelt gratitude for this recognition, emphasizing our unwavering commitment to excellence.





## 75<sup>TH</sup> REPUBLIC DAY

NIT Jalandhar, celebrated the 75<sup>th</sup> Republic Day in the Institute on January 26, 2024, with great enthusiasm. The event commenced with the unfurling of the National Flag by the Chairman cum Director of the institute, Prof Binod K Kanaujia, followed by the national anthem and a parade near the Administrative Building. The release of balloons further heightened the enthusiasm. The Republic Day festivities included a parade featuring one platoon of security unit and the NCC unit of NIT Jalandhar. This was followed by a cultural event in the Central Seminar Hall of the institute. The Registrar of the institute started with a welcome note and congratulated all on the 75<sup>th</sup> Republic Day. In his address, he emphasized the significance of the day, marking the moment when India became a republic by enacting its constitution. Further, Prof Kanaujia addressed the audience and congratulated all the faculty, staff, and students. He started his address by paying tribute to freedom fighters who played a crucial role in the nation's independence and the adoption of our Constitution on January 26, 1950. He further emphasized that the significance of Republic Day lies not only in commemorating our Constitution but also in our reflection and commitment to progress and innovation. He further highlighted the institute's achievements in the past year and outlined future developments for NIT Jalandhar. After this address, there was a cultural program that included patriotic songs and performances by students of the cultural committee and Prayas.



## NATIONAL SCIENCE DAY

On the occasion of National Science Day 2024, the Institution's Innovation Council (IIC) and Incubator-TBI of our institute organized various events, viz., prototype demonstrations, poster presentations, and start-up pitching at school and college levels under the theme of 'Indigenous technologies for Viksit Bharat' on February 28, 2024. The event was aimed at inspiring the brilliant, creative, and entrepreneurial mindset of young students and researchers and providing an opportunity to learn novel, innovative ideas for tackling the various challenges arising in daily life. Prof Binod K Kanaujia, Director, NIT Jalandhar, inaugurated the event with their welcome speeches and captivated the audience with their precipitation. The event was graced with the motivating words of the distinguished chief guest, Shri Harkesh Mittal, Chairman, Startup India Seed Fund, Guest of Honor, Dr Dapinder Kaur Bakshi, Joint Director, Punjab State Council for Science & Technology, Govt of Punjab, and Shri Somjit Amrit, Chief Executive Officer, iHUB and HCI Foundation, IIT Mandi. One of the key moments of the event was the launch of Kids Electric Cycle, a start-up product by TBI, NIT Jalandhar. The event received 200+ participants from different institutions, with approximately 100+ registrations for poster presentations, 35 teams registering for model-prototype presentations, and 15 teams registering for start-up pitching. Mr Richard from Birmingham City University, United Kingdom, joined the judging panel to judge the start-up pitching ideas.



## 'MERA PEHLA VOTE DESH KE LIYE' CAMPAIGN

Dr B R Ambedkar National Institute of Technology Jalandhar organized a rally for the awareness of new voters and to strengthen the spirit of democracy under the 'Mera Pehla Vote Desh Ke Liye' Campaign initiated by the Ministry of Education in collaboration with the Ministry of Youth Affairs, Govt of India. The NSS unit of the Institute visited the nearby villages and appealed to the residents to actively participate in the election process. Around 50 enthusiastic NSS volunteers actively participated in this awareness campaign. The young voters were made aware of the importance of voting in an effective democracy and were encouraged to exercise their right to vote. The ministry, in consultation with the Election Commission of India, has designed various activities for the 'Mera Pehla Vote Desh Ke Liye' Campaign to be organized from February 28 to March 06, 2024. The institute students also participated in different online activities designed for 'Mera Pehla Vote Desh Ke Liye'. The institute has also organized a Poster and Slogan Competition on the above theme on March 02, 2024, and various other activities were planned. Prof Binod K Kanaujia, Director NIT Jalandhar motivated the students to lead the campaign enthusiastically. The NSS Unit of NIT Jalandhar organized a painting and slogan competition on the theme Mera Pehla Vote Mere Desh Ke Liye on March 02, 2024.



## UTAKANSH '24

Utkansh'24 commenced on March 8, 2024, with a dazzling array of performances and competitions. The first day of the festival featured mind-boggling acts such as 'Shutup N Dance' and 'The Voice,' alongside cultural and literary competitions such as 'Voxwars, Cineart Odyssey,' 'Jashan-e- Utkansh' and many more events were held. The evening culminated in a show-stopping 'Band Night' by KY collective and EDM night by 'Afterall', captivating the audience with pulsating beats and melodies. The incredible talent and enthusiasm displayed by participants and attendees on Day 1 continued with a saga of events on Day 2. This involved a spectacular cultural exhibition that showcased a diverse range of artworks created by talented artists. Attendees were treated to thrilling events like 'Beat the Street' and the energetic 'Bhangra Fest'. The day concluded with a captivating 'Fashion Show' and 'DJ Night', enthralling the audience. Additionally, the event featured stalls offering modern accessories and a delectable array of food, adding to the festive atmosphere. Utkansh'24 promises to continue its exciting line-up of events, ensuring an unforgettable experience for all attendees.





## INDIA'S SEMICONDUCTOR MISSION

Aligning with India's Semiconductor Mission and with an aim to strengthen the semiconductor fabrication facilities in India #techade: chips for #viksitbharat, Hon'ble Prime Minister Shri Narendra Modi ji laid down the foundation stone of the three Semiconductor fab facilities on March 13, 2024. On this occasion, NIT Jalandhar live streamed the address of the honourable PM to encourage the young minds towards progressive steps in this direction and also organised a seminar where Dr Satya Gupta, President VLSI Society of India, and Prof Sudeb Dasgupta, Professor, Department of ECE, IIT Rookee delivered captivating talks focusing on Semiconductor Mission of India.



## MARTYR DAY

The commemorative event held in honor of Bhagat Singh, Rajguru, and Sukhdev, Martyr Day organized by Team Cultural Affairs on March 23, 2024, was a deeply moving tribute to the valiant revolutionaries. The event encompassed a diverse program celebrating the unparalleled courage and sacrifice of Bhagat Singh, Rajguru, and Sukhdev. Attendees were captivated by a compelling documentary chronicling their extraordinary lives and contributions, followed by poignant speech reflecting on their unwavering dedication to the nation. The atmosphere was filled with reverence and patriotism as heartfelt Shardhanjali performances and soul-stirring renditions of patriotic songs echoed through the venue. Culminating in a unified standing for the National Anthem, the event aimed to immortalize the indelible legacy of Bhagat Singh, Rajguru, and Sukhdev, while inspiring all to uphold their ideals of fearlessness and love for the motherland.



## FIELD/EXPOSURE VISIT

Field/Exposure Visit to Simbaquartz Private Limited, Tangra, Distt Amritsar, Punjab on February 28, 2024 was organized by Institute Innovation Council, NIT Jalandhar.



Dr Tarlochan Sidhu, Professor, Ontario Tech University, Canada, delivered an expert talk on 'Writing an Effective Research Proposal' on March 13, 2024, at NIT Jalandhar.





## SCHOOL STUDENTS VISIT TO NITJ

- School students of GSSS Sagra, Hoshiarpur and GSSS Bhagpur, Hoshiarpur visited NIT Jalandhar on February 20, 2024



- The Institution's Innovation Council (IIC) of Dr BR Ambedkar National Institute of Technology Jalandhar, hosted students from the Govt Sr Sec State School of Sports, Jalandhar on February 8, 2024. This initiative aimed to introduce young visitors to opportunities in higher education, research, and innovation.



- Students of GSSS Gakhai Dhaliwal, Jalandhar, GSSS Manwal, Pathankot and GSSS Bholath, Kapurthala visited NIT Jalandhar on February 7th, 2024.



- Students of Govt Sr Sec Smart School, Kuddowal, Jalandhar; Govt High School, Gahaur, Ludhiana and OKBPG SSS RCF Hussainpur, Kapurthala visited NIT Jalandhar on 5th February 2024.



**DR B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY JALANDHAR**

- Institution's Innovation Council of Dr BR Ambedkar National Institute of Technology Jalandhar is continuously organising various innovation and entrepreneurship-related activities. Under these activities, students, staff, and faculty members are educated about ideation, problem-solving, concept development, design thinking, project handling and management, IPR, etc. Recently, in the month of February 2024, IIC NIT Jalandhar scheduled visits of various Govt Senior Sec Schools of Punjab to give exposure to higher studies, research, and innovation to school students. Under this activity, various Govt Schools of Punjab, such as Govt Senior Sec School, Bhoa and Manwal of Pathankot; Govt Girls Senior Sec School Jandiala; Govt Senior Sec Smart School Kuddowal; Govt Senior Sec School, Lambra, Gakhal Dhaliwal, Cheema Kalan Cheema Khurd, khambra and Malsian, Shahkot of Jalandhar; Govt Senior Sec School Hassanpur and Gahaur of Ludhiana; OKBPG Senior Sec School RCF Hussainpur and Govt Senior Sec Bholath, Kapurthala; Govt Senior Sec School Chak Vairo Ke of Fazilka visited the various laboratories of NIT J. Prof Binod Kumar Kanaujia, Director, NIT Jalandhar congratulated the principals and teachers of schools to organising such visits of students in the higher education institutes.



- Students of Govt Girls Sr Sec School, Jandiala, Jalandhar and GSSS Hassanpur Ludhiana visited NIT Jalandhar on February 2, 2024.



- Visit of school students of Govt Senior Sec School, Bhoa, Pathankot on Jan 30, 2024 at NIT Jalandhar.



## STUDENTS CORNER

The **Google Developer Student Club (GDSC)** in collaboration with Yukti 2.0 and the Institute Innovation Council (IIC), of NITJ hosted HACKMOL 5.0, a premier hackathon on February 24 and 25, 2024. This event aimed to convene creative individuals from all backgrounds to brainstorm, develop, and implement technological solutions for real-world problems. HACKMOL 5.0 witnessed an overwhelming response, with over 2700+ registrations pouring in from various states across India, forming more than 450 teams. The hackathon's broad reach and influence were demonstrated by the fact that Jalandhar, Ghaziabad, Hyderabad, Chennai, and Delhi were among the top 5 cities represented. The diversity of the event was further enhanced by the strong participation of prestigious institutions including the Chennai Institute of Technology, Guru Nanak Dev University, Chandigarh University, KIET Group of Institutions, and NITJ. Fuelling the fervour of competition, the event boasted a substantial prize pool totalling 5 lakh rupees, intensifying the excitement and fostering a spirit of innovation among the participants. The hackathon wasn't just about coding; it was a holistic experience. Icebreaker events brought participants together, fostering camaraderie and collaboration amidst the intensity of the hackathon. In the main track, team IHETians (from Uttarakhand) secured the coveted first place, followed by team LDI Hackos (from Chennai) and D'Coders (NIT Jalandhar) in second and third place, respectively. In freshers' track, Team CodeHackers emerged as the winner, with Team Titheme changers and Team Echo securing second and third place, respectively.



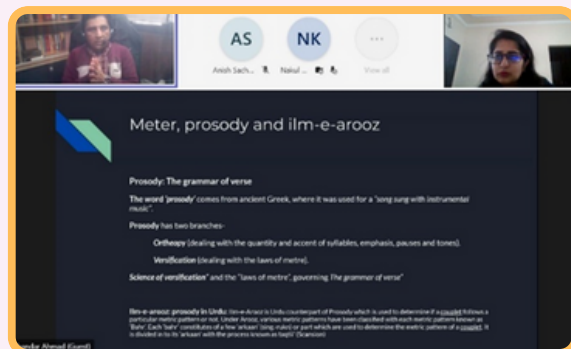
The **NITJ MUN Society** of our institute organised its first Youth Parliament on March 3rd, 2024 in collaboration with the NSS unit of the institute with the agenda as Uniform Civil Code (UCC). The success of this event is credited to the visionary Director of our institute, Dr Binod Kumar Kanaujia as it would not have been possible without his incessant efforts and support. The event was organized under the guidance of the faculty coordinator of NSS and NITJ MUN Society and the event was graced by the presence of the Guest of Honour, Dean Student Welfare. The Youth Parliament commenced with the National Anthem, followed by the oath by the speaker and parliamentarians. Henceforth, the House witnessed some of the most amazing speeches both in favour and against the introduced bill.



The **Literary and Debating Club** of our institute organized a commemorative event for Sri Guru Gobind Singh Ji's Gurupurab, on January 17, 2024, in the Video Conference Hall of NIT Jalandhar. The event was a momentous occasion that brought together students, faculty, and guests to celebrate the birth anniversary of the Tenth Sikh Guru. The spirit of unity and reverence for Guru Gobind Singh Ji's teachings resonated as his life and principles were highlighted by the students. This was followed by poetry narration in the memory of Guru Gobind Singh Ji.



The **Literary and Debating Club** of NITJ organized a thought-provoking inaugural session to mark the commencement of their 5-day long 'Short Term Course on Creative Writing' scheduled from January 12-16, 2024. The inaugural event witnessed the participation of students and faculty members from various institutions, with Prof Shandar Ahmad as the Chief Guest of the event. The event kicked off with a few insightful words from Dean Student Welfare, who emphasized the importance of fostering creativity and expression in the academic environment. Prof Shandar Ahmad shared his wisdom and set the stage for an inspiring session. This was followed by a session by authors Ms Rashima Swarup Verma and Mr Prasun Roy, who guided the participants through an enriching session. Both speakers shared their valuable insights into the art of writing historical fiction, shedding light on the research involved and drawing from their personal experiences.



Two Teams from the **Literary and Debating Club**, NITJ participated in Dr D R Singh Memorial British Parliamentary National Debate Competition held on February 2-3, 2024. The competition saw teams from about 38 different colleges across India some of them being RMNLU Lucknow, NIT Srinagar, Hindu College DU, RGNUL Patiala, Ramjas College Delhi, DTU etc.

- Team 1 bagged 2nd position along with a cash prize of Rupees 25,000
  - Team Members - Bhavya (ICE 3rd year), Chawinderpreet Singh (IT 3rd year), Himangi Malik (ECE 2nd year), Preeti (CSE 2nd year)
- Team 2 was quarter-finalist (among the top 8 teams) and won a cash prize of Rupees 3,000
  - Team Members - Amrit Singh Saluja (CH 3rd year), Ashutosh Goswami (ECE 3rd year), Anshika (IPE 3rd year), Naina Singla (ECE 3rd year)



**NITJ FC**, in association with the Department of Physical Education and Sports, hosted an electrifying Inter Branch Football Tournament from February 9-11, 2024. 12 teams battled it out in knockout matches, with CSE emerging victorious after defeating Mechanical Engineering in a thrilling final. ICE secured the third place.



NIT Jalandhar Girls cricket team has once again made NIT Jalandhar proud by clinching the gold medal after defeating NIT Surat in the final by 14 runs in nail biting finish in the All India Inter - NIT Cricket (Girls) Tournament held at NIT Rourkela from January 26-28, 2024. Total 16 Teams of NITs across the country i.e. NIT Agartala, SVNIT Surat, NIT Delhi, NIT Raurkeal, NIT Uttarakhand, NIT Raipur, NIT Silchar, NIT Trichy, NIT Surathkal, NIT Warangal, NIT Jamshedpur, MNIT Jaipur, NIT Durgapur, NIT Nagpur, NIT Calicut & NIT Jalandhar had participated in this mega event of cricket. NIT Jalandhar Girls cricket team in its maiden tournament has achieved this glorious goal, under the able leadership & sincere efforts of their Hon'ble Director Professor (Dr) Binod Kumar Kanaujia, who always encouraged the sports activities of the students in NIT Jalandhar to promote the Fit India Movement. Ms Vandana Sah (Second Year, ECE) received the trophy for Best Player of the Tournament while Ms Devshree Singh and Ms Vasudha Vaid (Captain) took the highest run in the tournament.



Prof B K Kanaujia, director of our institute handing over the **Laptops** to the beneficiary Students under **Interest Free Laptop Scheme** implemented from Batch 2023.





The Department of Electronics and Communication Engineering at NITJ organized an illuminating online expert talk on 'Reciprocity and Inter-Reciprocity in Electrical Networks' on February 1, 2024, under the aegis of the IEEE Student Branch. The event was graced by the presence of Prof Binod Kumar Kanaujia (Director of NIT Jalandhar, Faculty Advisor of IEEE Student Branch). The esteemed speaker, Prof Shanthi Pavan, a distinguished Fellow of IEEE from IIT Madras took the audience on an enriching journey through the captivating world of electrical network theory.

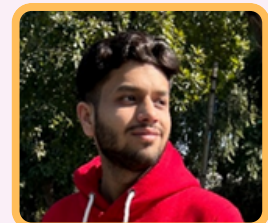
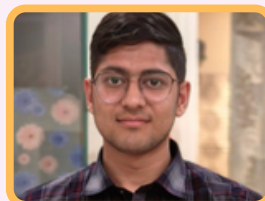


IEEE Student Branch of ECE Department, NITJ organized an illuminating expert talk on 'The Thrilling Odyssey of Trusted AI' on March 13, 2024. The event was graced by the presence of Prof Binod Kumar Kanaujia (Director of NIT Jalandhar, faculty Advisor IEEE Branch Dr B R Ambedkar NIT Jalandhar and Executive Committee Member of IEEE Delhi Section). Addressing the gathering, Prof Kanaujia warmly introduced the esteemed speaker, Prof Richa Singh, a distinguished Fellow of IEEE and IAPR from IIT Jodhpur. He highlighted Prof Richa Singh's extensive accomplishments and her instrumental role in shaping the field of trusted artificial intelligence (AI).



## STUDENTS ACCOMPLISHMENTS

- Students of NITJ have showcased exceptional performance in the Graduate Aptitude Test in Engineering (GATE) 2024 examination. Around 41 students from the institute have cleared the examination and bagged All India ranks. Anmol Mahajan, Ashish Handa, Anshika Rajput, Anshuman Upadhyay from the Department of Textile Engineering and Vansh Suri from the Department of Instrumentation & Control Engineering secured notable ranks of 07, 34, 83, 89 and 95 respectively. Other outstanding achievers include Dishant Sheemar (Biotechnology), Dev Karan (Textile Technology), Vinay Kumar (Mathematics), Akshaya Arora (Instrumentation & Control Engineering), Tarun Kumar (Textile Technology), Abhishek Mishra (Biotechnology), Ankit Singh (Textile Technology), and Gulshan Gupta (Instrumentation & Control Engineering), all securing ranks below 500 in this esteemed examination. These remarkable achievements are the result of students' hard work and perseverance. Prof Binod Kumar Kanaujia, Director of NIT Jalandhar congratulated the top rankers for their accomplishment which has brought pride to NIT Jalandhar and has also reinstated the institute's commitment to nurturing academic excellence.



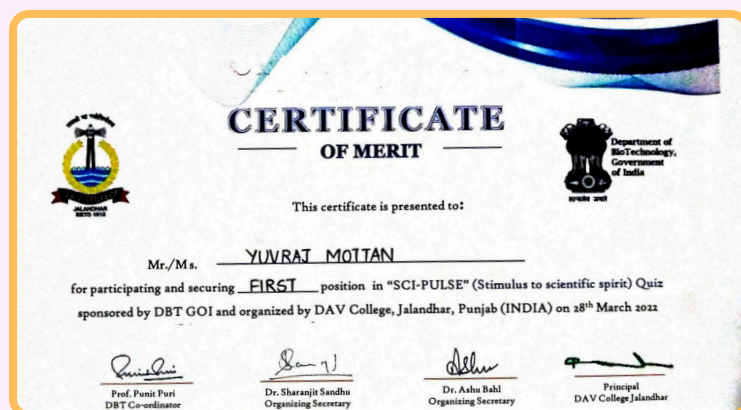
- **Mr Akash Saxena**, Research Scholar, Department of Mechanical Engineering NITJ was awarded in the Poster Presentation held on National Science Day 2024.



- Congratulations to **Mr Ashish Arora**, an M Tech scholar, on winning the Third prize in a poster presentation at the International Conference-Macromolecules: Synthesis, Morphology, Processing, Structure, Properties, and Applications (ICM-2024), IIUCNN, Mahatma Gandhi University, Kottayam, Kerala, January 12-14, 2024.
- Congratulations to **Ms Shreya Vashista**, whose review paper, 'Catalysing sustainability with keratin-derived adsorbent materials for enhanced heavy metal remediation: A critical review', as a B Tech student, has been published in the Korean Journal of Chemical Engineering (SCIE Indexed, 2.7 IF).
- **Ms Yamini Gogna**, PhD scholar, Department of ICE, submitted her PhD thesis under the supervision of Dr Rajesh Singla.
- In a remarkable achievement, **Ajaz Ahmad Mir**, a dedicated research scholar from NIT Jalandhar (Department of Civil Engineering), has been awarded the prestigious Overseas Doctoral Fellowship through SERB UAlberta, Canada. Ajaz's exemplary academic prowess has earned him this esteemed opportunity to pursue his PhD at the University of Alberta, under the guidance of Prof William Zhang from the Department of Civil and Environmental Engineering. This fellowship, generously supported by SERB Govt of India and UAlberta, covers all of Ajaz's expenditures and provides a monthly stipend, enabling him to focus wholeheartedly on his research endeavours. Ajaz's tenure at the University of Alberta, lasting up to one year, promises to be a transformative period of academic growth and international collaboration. This achievement not only reflects Ajaz's dedication and scholarly excellence but also underscores NIT Jalandhar's commitment to nurturing talent and facilitating global academic exchange.
- **Ms Lalitha Shree Subramaniam** 2nd year M Tech in Renewable Energy got an opportunity for the PhD program from the SUNY College of Environmental Science and Forestry, US.
- **Mr Aditya Yadav**, **Ms Lalitha Shree Subramaniam** and **Ms Nisha Yadav** attend the workshop on 'Modelling and Optimization in green Manufacturing' at Department of Mechanical Engineering, Malaviya National Institute of Technology, Jaipur during February 26 to March 3, 2024.
- **Mr Ankush Agarwal** launched product **ColdScribe** globally on Product Hunt on January 30, 2024. It is an AI tool for generating customized cold emails.
- M Tech Renewable Energy (Batch- 2023) students attended the National Workshop on 'Biomass-based Clean Cooking Solutions', from February 29 - March 1, 2024 at Sardar Swaran Singh National Institute of Bio-Energy (SSS-NIBE), Kapurthala, Punjab.
- **Ms Drishthi Aggarwal** was as an Indian delegate among 360 participants, represented Indian culture among 20,000+ people at the World Youth Festival in Russia, engaging in cross-cultural exchange and promoting understanding among diverse international peers. It was a week-long cultural festival. Delivered cultural exchange programs along with 360 Indian delegates, increasing awareness of Indian culture by 30% .



- **Mr Yuvraj Mottan** secured first position in the SCI-PULSE quiz. He participated in an Interschool Quiz on scientific and mathematical aptitude and secured first position, which was held on March 28, 2024 at DAV College, Jalandhar.





- NIT Jalandhar's Instrumentation Stars Land BPCL Dream Jobs with 19.48 Lakhs Package.



- **Mr Swayam Sharma** placed fourth in the 48-hour filmmaking competition at PEC Chandigarh. He participated in Lumiere 2024, the annual filmmaking competition organised by the PDC club of PEC Chandigarh.



- **Treasure Hunt 2024:** Living up to its motto of 'Grow Together, Educate Together', the Zeal Society of NIT Jalandhar enthralled its students with a captivating Treasure Hunt event held on February 17-18, 2024. Over 70 teams with more than 350 participants eagerly followed a trail of cryptic clues, leading them on an exciting journey across the campus. The handcrafted props, meticulously prepared over a month by dedicated Zeal members, added a delightful layer of intrigue to each location. Zeal wanted to make students familiar with the campus and also give them a chance to enhance their interpersonal and public speaking skills with a plethora of student portfolio activities and interactive games. Participants deciphered riddles, solved puzzles, and collaborated effectively to navigate their way closer to the coveted treasure.
- On the Day 1 of the event, 70 teams were called upon in the OAT and after the verification of all the members, the teams were provided with the first clue which marked the start of the treasure hunt. At the end of Day 1, 30 teams were selected for Day 2.
- With new clues and locations, the treasure hunt was carried on and by the end of Day 2, the first team to find the treasure was the winner for the treasure hunt. The second and third position was given on the basis of the scores of the teams and their performance.
- A few stalls were set up by the students of NITJ on Day 1 and 2. This provided a platform to the students to showcase their talents. The stalls were based on Handmade Croatia items and digital art & calligraphy posters.



- **The Kalakaar Theater, Dramatics Club** of NIT Jalandhar, participated in Annual Socio-Cultural Fest of IIT Jodhpur 'IGNUS 24'. The club has won 3rd position in Street Play Category.
- In the Monoact competition with Namit Singla(CSE, final yr) securing 1st place, Meka Sudheer (ME, 3rd yr) at 2nd, and Sanika (CHE,2nd yr) impressively securing the 3rd spot. Additionally, Sunil (Civil, 3rd yr) performed quite well in the rap battle and won 3rd position.





## 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	85	14	71	26.00	Nvidia	80.68
EE	49	55	9	46	52.00	Amazon	93.88
CSE	134	151	29	122	52.00	Google	91.04
IT	109	122	27	95	52.00	Amazon	87.16
CHE	53	60	7	53	15.12	Amazon	100.00
ICE	84	100	21	79	26.00	Nvidia	94.05
CIVIL	61	54	5	49	15.12	Amazon	80.33
IPE	67	74	11	63	18.87	EIL	94.03
ME	90	103	13	90	17.50	HPCL	100.00
BT	26	13	0	13	18.00	Bajaj Finserv	50.00
TT	50	34	2	32	12-18	Trident Group	64.00
<b>Total</b>	<b>811</b>	<b>851</b>	<b>138</b>	<b>713</b>			<b>87.92</b>

\*Placement detail of 2020-24 batch as on July 11, 2024

### Placement of PG Students, M Tech and MBA (Batch 2020-24)

Discipline	No. of Eligible Students	No. of Job Offers	No. of Double Job offers	No. of Students Placed	Maximum Package Per Month Stipend/ Lac Per Annum		Percentage
ECE	9	6	0	6	50K	Samsung (SSIR)	66.67
VLSI	21	20	1	19	34LPA	Qualcomm	90.48
AI	6	3	0	3	80K	Warner Bros. Discovery	50.00
CSE	25	18	1	17	45K	Philips	68.00
IS	5	4	0	4	40K	NXP India Limited	80.00
CHE	4	0	0	0	0.00	-----	0.00
ICE	5	0	0	0	0.00	-----	0.00
CIVIL	39	6	0	6	6.5 LPA	L & T Limited	15.38
ME	15	12	0	12	40K	Volvo Group India Pvt Ltd	80.00
Renewable	4	0	0	0	0.00	-----	0.00
BT	11	0	0	0	0.00	-----	0.00
TT	13	1	0	1	4LPA	Trutzshler	7.69
MBA	25	18	0	18	7.5	Crescendo Group	72.00
<b>Total</b>	<b>182</b>	<b>88</b>	<b>2</b>	<b>86</b>			<b>47.25</b>

\*Placement detail of 2020-24 batch as on July 11, 2024



## FACULTY ACCOMPLISHMENTS

## INTELLECTUAL PROPERTY RIGHTS (IPRS)

- **Dr Ajay Bansal and Dr Renu Gupta** have been granted a Patent on Air Cooled and Breathable Single Piece Bodysuit for Personal Protection (Application No. 202011034189)
- **Shankar Ganesh N, Srinivas T, Ravi Kumar M., Uma Maheswari G.,** Thermodynamic Cycle based Power Generation System, and A Method Thereof, Application No.201741046830, Date of Award: March 22, 2024, Patent No.529734.

*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 Vinod Ashokan**, Department of Physics received a project entitled, 'Structure and Dynamics of Strongly Correlated Quantum Fluids' for a period of three years, costing Rs. 33,54,692/- from the Science and Engineering Research Board (SERB), Department of Science and Technology (DST), New Delhi.
- **Dr Zunjarrao B Kamble**, Department of Textile Technology granted a research project entitled 'Design and Development of 3-Dimensional Textile Structures Manufacturing System with Novel Shedding Mechanism and Multiple Weft Insertions' under the Empowerment and Equity Opportunities for Excellence in Science Scheme (DST SERB), costing 26.81 Lakh.
- **Dr Kunwarpal Singh**, Department of Computer Science & Engineering received a project entitled 'A Light Weight Path-Planning Scheme for Multi UAVs Based on Gravitational Potential Field', costing Rs. 2134264/- from the funding agency SERB-DST.

*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>

## FACULTY ACCOMPLISHMENTS

- **Dr Balwinder Raj**, Dept of Electronics & Communication Engineering
  1. Chaired a Technical Session (SS11-3) on 'FPGA and Related Applications for Consumer Electronics' of the 42 IEEE International Conference on Consumer Electronics, Las Vegas, USA, January 6, 2024.
  2. Delivered online talk in an e-workshop titled 'Electrical Design of Advanced VLSI and Communication Systems' funded by the Scientific Social Responsibility (SSR) Policy of SERB and NIT Hamirpur on February 26, 2024.
  3. Delivered an expert talk on 'Emergence of India as a significant player in the global semiconductor industry' at IIM Amritsar, on March 13, 2024
  4. Delivered as an Expert for SERB- High-End Workshop (Karyashala) at IIIT Una on March 19, 2024.
- **Dr Mahesh Kumar Sah**, Dept of Biotechnology delivered an invited talk online on 'Synthesis and Characterization of Graphite from Terminalia arjuna as Precursor for Biomaterials Development in Bone Tissue Engineering Applications' during the salvo of the Exploratory Workshop NeXT-Chem: Innovative Cross-Sectoral Technologies NeXT-Chem, VIth edition organized by National Institute for Research & Development in Chemistry and Petrochemistry - ICECHIM Bucharest during March 21-22, 2024.
- **Dr Vijay Kumar**, Dept of Information Technology delivered expert Lecture on 'Optimization Techniques and Applications in Engineering Problems' in the five-day online short-term course on Recent Advances in Optimization Techniques for Engineering Applications (RAOTEA-2024) at National Institute of Technology Kurukshetra from March 02 – 06, 2024.
- **Dr Jagdeep Kaur**, Dept of Computer Science & Engineering delivered an expert talk in FDP on 'Information and Communication Technology' organized by UGC-Malaviya Mission Teacher Training Centres (MMTTCs), Central University Jammu from January 23-31 2024.



## RESEARCH PUBLICATION

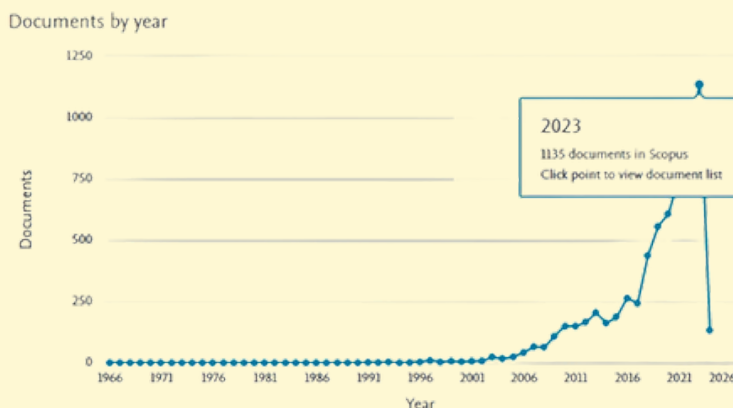
## INTERNATIONAL JOURNALS

NIT Jalandhar has recorded a total of 133 Scopus Publications (till 07.02.2024).

**Link:**

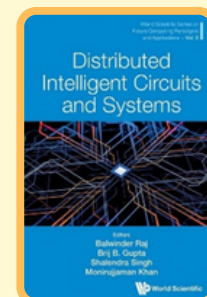
**Scopus:**

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



## BOOKS PUBLISHED

Raj, B., Gupta, B. B., Singh, S., & Khan, M. (Eds.). (2024). Distributed Intelligent Circuits and Systems (Vol. 3). World Scientific Publisher, ISBN 978-981-12-7952-2.



## INSTITUTE RANKING

**NITJ has been ranked in the Year 2024 :**

- **THE (Times Higher Education) Young University Rankings** in the ranking band of **301-350**.
- **THE (Times Higher Education) Asia University Rankings** in the ranking band of **351-400**.
- **THE (Times Higher Education) Engineering and Technology** in the ranking band of **801-1000**.
- **THE (Times Higher Education) World University Rankings 2024** in the ranking band of **1001-1200**.
- **Ranking band of 651-700** amongst **Asian Universities**, **204th** position amongst **Southern Asia Universities**, and **6th** position amongst all ranked **NITs in QS Asia University Rankings 2024**.

## BOOK CHAPTERS

1. Dubey, M., Snehlata, Singh, A. K., Kumar, M., and Mishra, R., Navigating Next-Generation Network Architecture: Unleashing the Power of SDN, NFV, NS, and AI Convergence, Wiley book.
2. Roy, S., Priyadarshi, R., Biswas, D., & Rhim, J. W. (2024). Antimicrobial nanoparticles in active food packaging applications. In Food Packaging and Preservation (pp. 21-32). Academic Press.
3. Pahuja, R., & Singh, R. (2024). VI System for Power Management of DC Microgrid. Industrial Control Systems, 151-179.
4. Malik, P., Saraswat, S. K., Vanshpati, R., Raina, G., Sharma, S., Kesharvani, S., ... & Tiwari, A. K. (2024). Hydrogen-integrated renewable systems for power generation: an overview of technologies and applications. Sustainable Hydrogen Energy: Production, Storage & Transportation, 9, 319.

## GLIMPSES OF MEDIA COVERAGE



### Sports Achievements of NIT Jalandhar in Inter - NIT Cricket (Girls) Tournament



## DISCLAIMER

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**Dr Sumit Sharma (Co-coordinator)**

*Designed By : Ronit (B Tech-ME)*

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## डॉ बी आर अम्बेडकर

राष्ट्रीय प्रौद्योगिकी संस्थान जालंधर

जी.टी. रोड, अमृतसर बाईपास, जालंधर, पंजाब, भारत - १४४००८

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