



**GOVERNMENT COLLEGE OF ENGINEERING AND  
TECHNOLOGY JAMMU**

**ANNUAL REPORT**  
**OF**  
**INSTITUTION'S INNOVATION COUNCIL 6.0**

**GOVERNMENT COLLEGE OF ENGINEERING AND TECHNOLOGY  
JAMMU**

**YEAR 2023-2024**



**Annual Report 2023-24**  
**Government College of Engineering and Technology**  
**Institution's Innovation Council 6.0**

## **A. About IICInstitute**

- Government College of Engineering and Technology (**GCET**), Jammu was established in the year 1994 under the Department of Higher Education, Government of J&K. It is approved by AICTE, New Delhi and affiliated to University of Jammu, Jammu. The college offers Engineering UG degree courses in five disciplines in Electronics and Communication, Electrical, Computer, Mechanical and Civil Engineering.
- GCET Jammu has become the first institution of UT of J&K to have all its five UG programs accredited by **National Board of Accreditation (NBA)**. The Institute offers UG (B.E) Degree in five disciplines namely Electronics and Communication engineering, Electrical engineering, Computer Science engineering, Mechanical engineering and Civil Engineering with an intake capacity of 60 students per discipline and PG (M.Tech.) Degree in Computer Science Engineering, Electronics & Communication Engineering and Mechanical Engineering.
- GCET Jammu has availed Technical **Education Quality Improvement (TEQIP-III)**, a World Bank aided project of MHRD, GOI launched with the objective to upscale and improve the quality and enhance the existing capacities of the participating institution to become demand driven, quality conscious, efficient and forward looking, responsive to rapid economic and technological developments occurring at National and International level from 2017-2021.
- GCET has upgraded the existing lab infrastructure to develop the state of the art research facilities for the students/researchers in the field of engineering sciences. Further, to keep abreast with the latest technological happenings and demands of industry, the institute revises syllabus/course on regular basis besides providing opportunity to faculty/staff members. The Entrepreneurial courses have also been introduced to impart an entrepreneurial mindset to act on opportunities, learn from failures, and solve problems, as well as technical, business, interpersonal, and communication skills.

## **VISION**

To achieve recognition as an Institution of Excellence in Entrepreneurial and Innovation Promotion Ecosystem.

## **MISSION**

- To Develop a Critical Mass of Motivated Students & Faculties with Entrepreneurial Orientation & Skill.
- To Build Infrastructure Support for Innovation & Early Stage Enterprise development and Enabling Access to Resource & Facilities at Institute.
- To Enhance In-House Competency Development to Serve Potential and Early Stage Entrepreneurs and Student Innovators at the Institute.
- To Strengthen the Inter Department and Inter-Institutional linkage, Incubators and other Ecosystem Enablers at different levels.



## IIC established at the Institute

- In the year 2018, the Ministry of Education (MoE) through MoE's Innovation Cell (MIC) launched the Institution's Innovation Council (IIC) program in collaboration with AICTE for Higher Educational Institutions (HEIs) to systematically foster the culture of innovation and start-up ecosystem in education institutions.
- Government College of Engineering & Technology, Jammu – Institution's Innovation Council (GCET – IIC) was started in the academic year 2018-19 as per the guidelines of MIC and AICTE for the benefits of students and faculty members of the College.
- Primarily, the role of IIC is to engage large number of faculty members, students and staff in various innovation and entrepreneurship related activities such as ideation, Problem solving, Proof of Concept development, Design Thinking, IPR, project handling and management at Pre-incubation/Incubation stage, etc., so that innovation and entrepreneurship ecosystem gets established and stabilized in the College.
- IIC is set up to encourage the creative energy of our student population to work on new ideas and innovation and promote them to create start-ups and entrepreneurial ventures.
- GCET provides infrastructure facilities and forums for the students and faculty members to promote and establish Innovation and startup eco system in the campus.

## Representation of from industry, Interdisciplinary & Departments/ Units etc. in the IIC established at the Institute

1.	Mr. Ishan Verma, President ,J K Startups Association/CEO Nentoir Technologies, Jammu ,ALUMNI Entrepreneur/External Member	Member
2	Mr. Arush Mahajan, Vice -President ,JK Start-ups Association/ Co-founder , Branding Elves and via ENS	Member
3.	Mr. Bhaskar Suri, Entrepreneur, Representative from Industries	Member
4.	Mr. Narinder Singh Jassal ,Representative from DSIR-TOCIC (PRISM Scheme)	Member



## B. Key functionaries at IIC Institute

### ➤ **President, Prof.(Dr)BhawnaSharma**

- Leads the IIC Council, has the IIC portal Login ID, and is the custodian of IIC portal login and data / reports to be uploaded.
- Convenes the meetings, set meeting agenda and monitors the deliverable.
- Main point of contact with MHRD Innovation Cell.
- Respond to all communication from IIC National Coordination team (MHRD Innovation Cell) and is responsible to ensure decent performance of IIC.
- Coordinate with MHRD innovation cell and responsible for all the IIC activities in the Institute.
- Ensure Institution's participation in IIC calendar activity, take lead in the Institution driven activities, and ensure the effective implementation of IIC activities with the help of Convenor.
- Update of the council members as per the decision taken in council meetings and update the information on portal also.
- Responsible for submitting the Progress/Activity Reports on the IIC portal.

### ➤ **Vice President, Er. Sheetal Gandotra**

- Build and strengthen the in house mentor pool and human resource capacity to drive campus Innovation & Entrepreneurship activities.
- Identifies, handholds and guide potential/early-stage entrepreneurs, student innovators at the Institute on regular basis.
- Motivate students & faculties with creative potential, and Entrepreneurial orientation & skill set.
- Commercialization of innovations through technology transfer, technology licensing and Start ups, etc.
- Build infrastructure support and facilities to promote innovation and enabling environment of easy access to resources within and outside the institute.
- Encourage faculty and students to pursue research studies related to Entrepreneurship.
- Obtain grants from Government, Non-Govt, CSR Bodies towards promoting and supporting innovations.

### ➤ **Convenor, Er. Sanjeev Gupta**

- Works in close coordination with IIC President and will provide help wherever required for smooth conduct of activities.
- Ensures the participation in the meeting and prepares the meeting agenda
- Maintain documentation of the proceedings like meeting photos, Minutes of Meetings, Meeting Video has to be uploaded to Institution YouTube Channel and the link has to be shared with competent authorities and any other proof.
- Ensures the internal examination dates would not interfere with the IIC activities and coordinate with all departments to ensure the same.



- Collects the inputs from all the members of the council at regular interval, especially external members for better planning of IIC activities and effective delivery of results.
- Coordinate with IPR Cell to generate revenue from patents, copyrights, trade secrets and others.

### ➤ **Coordinators**

#### ***Roles and Responsibilities Social Media Coordinator***

- Creates and manages IIC page/account on Face book, Twitter and YouTube and other relevant social mediaplatforms.
- Responsible for posting all the relevant information about council meeting resolution and action plan, IIC activities and follow/tag MIC/IIC page and posts.
- Ensure that all students follow MIC/IIC page/account on social media to get first-hand information.

#### ***Roles and Responsibilities of Members***

- Ensure the Institution's Innovation Council's logo and the words "in association with Institution's Innovation Council, Ministry of Education (MoE), Govt. of India", is included in the brochure compulsorily for all the academic activities of their respective departments like webinars, seminars and workshops related to Industry Interaction, Start up, Entrepreneurship, Research and Innovation / Intellectual Property Rights(IPRs).
- CRIO, Innovation Clubs members motivate the students and facilitates students with facilities and equipment needed for Innovation and Entrepreneurship (I &E)activities.
- Developing an Innovative and Entrepreneurial mindset through a series of activities like workshops, awareness, market outreach events, orientation, advocacy meetings, campus hackathons, networking events (Intra and Inter institutional, enablers, stakeholders).
- Organize Employment Generation skill development programs of minimum 30 contact hours of duration.
- Organize Entrepreneurial Skill Development / Employment generating Programmers for external participants (local residents, community members, alumni etc.)



## C. Portfolio of the IIC Institution

- **IIC Members**

S.No.	Name of Member	Key Role/Position Assigned in IIC
1.	Dr. Bhawna Sharma, Professor ,Department of Computer Engineering	President
2.	Ms. Sheetal Gandotra, Associate Prof, Department of Computer Engineering	Vice President
3.	Mr. Sanjeev Gupta, Associate Prof, Department of Mechanical Engineering	Convener
4.	Ms. Reeya Rehan	Student Coordinator
5.	Mr. Ishan Verma, President, JK Start ups Association/CEO Nentoir Technologies, Jammu (ALUMNI Entrepreneur/External Member)(telephonically discussed)	Member
6.	Mr. Arush Mahajan, Vice -President ,JKStart-ups Association/ Co-founder , Branding Elves and via ENS(External Member)(telephonically discussed)	Member
7.	Mr. Bhaskar Suri, Entrepreneur (Representative from Industries)(telephonically discussed)	Member
8.	Mr.Narinder Singh Jassal (Representative_fromDSIR-TOCIC(PRISM_Scheme)(telephonically discussed)	Member

- **Innovation Ambassadors**

The Institution's Innovation council of MHRD's Innovation Cell organized a series of training programs exclusively for IIC members. The two faculty members have completed the Advance level training and six faculty members have completed the basic level training session. All are designated as "IIC - Innovation Ambassador" under IA s training program. They are trained to play a role of mentor or guide for young minds in their pursuit of Innovation and Entrepreneurship.

**Faculty Innovation Ambassador:**

- Dr. Bhawna Sharma
- Er. Sanjeev Gupta
- Er. Amit Pandoh
- Er. Karan Kapoor
- Er. Sheetal Gandotra
- Er. Rasmeet Kour
- Mr. Neeraj Gupta
- Er. Kameshwar Sharma



## **D. CRIO Club, Start Up Cell, Jammu- *promotes Innovation and Entrepreneurship in the Campus.***

### **➤ Events Organized by StartUp Cell, GCET, Jammu, 2023-2024**

#### **ACTIVITIES**

- On 11.08.2023 the Startup Cell of Govt. College of Engineering and Technology, Jammu organized an elocution competition on **“Start Up 20 and Potential for Change”**
- On 21.08.2023 the Startup Cell of Govt. College of Engineering and Technology, Jammu celebrated **“Udyamita Diwas World Entrepreneurship Day”**—A National Day launched by AICITE, MoE, GoI.
- On 25.09.2023 the Startup Cell of Govt. College of Engineering and Technology, Jammu organized an internal hackathon for short listing the teams for **Smart India Hackathon 2023**.
- On 24.11.2023 the Startup Cell of Govt. College of Engineering and Technology, Jammu organized an interactive session on **“Entrepreneurship & Innovation as Career Opportunities”** by Dr. Devander Khokhar.
- On 28.11.2023 the Startup Cell of Govt. College of Engineering and Technology, Jammu organized a motivational session by Ms. Monika Milter, Founder & Director Wild Sapiens(OPC) Pvt. Ltd.
- On 16.01.2024 the Startup Cell of Govt. College of Engineering and Technology, Jammu celebrated a **“National Start Up Day”** and a **“National Youth Day”** through online mode.
- On 16.02.2024 the Startup Cell of Govt. College of Engineering and Technology, Jammu organized an **“Innovation & Entrepreneurship Outreach Program”** at Government Model Higher Secondary School, KotBhalwal, Jammu.
- On 22.02.2024 the Startup Cell of Govt. College of Engineering and Technology, Jammu organized an expert talk on **“Process of Innovation Development, Technology readiness level(TRL): Commercialization of Lab Technologies and Tech- Transfer”** by Dr. Sourabh, CSIR IIIM Jammu and an interactive session on **“Achieving Problem Solution Fit & Product Market Fit “**by Dr. Devender Khokhar.
- On 28.02.2024 the Startup Cell of Govt. College of Engineering and Technology, Jammu organized a declamation competition to celebrate **“National Science Day “on“Role of Indigenous Technologies in Empowering Marginalized Communities”**.
- On 13.03.2024 the Startup Cell of Govt. College of Engineering and Technology, Jammu organized an online session to celebrate **“International Women’s Day”**.
- On 04.04.2024 the Startup Cell of Govt. College of Engineering and Technology, Jammu organized an interactive session on **“Planning for Startup: Legal & Ethical Steps “**by Dr. Sourabh, CSIR IIIM Jammu and Er. Ankush Verma , CEO, IIIM-TBI
- On 28.04.2024 the Startup Cell of Govt. College of Engineering and Technology, Jammu organized an online digital poster making competition to celebrate **“World**

### **Creativity & Innovation Day “on“Innovation for Sustainable Future”**

- On 11.05.2024 the Startup Cell of Govt. College of Engineering and Technology, Jammu organized an exposure visit to **Incubation Unit at CSIR, IIM, Jammu** in connection with celebration of “**National Technology Day**”.
- On 15.08.2024 the Startup Cell of Govt. College of Engineering and Technology, Jammu organized an online Quiz Competition on occasion of **Independence Day** on “**India’s Entrepreneurs: The Architect of Modern India**”.
- On 21.08.2024 the Startup Cell of Govt. College of Engineering and Technology, Jammu organized an online session on “**Angel Investment/ VC Funding Opportunities for Early Stage Entrepreneur**” by Mr. Tushar Gandotra, Entrepreneur, Innovator, and Venture Builder, New Delhi.
- On 22.08.2024 the Startup Cell of Govt. College of Engineering and Technology, Jammu organized an online session “**Lean Start Up & Minimum Viable Product (MVP)**” by Mr. Ritvik Mahajan, Business Consultant, Jammu, J&K (UT).

### **WORKSHOP**

- A workshop was organized on “**Business Model Canvas**” by Dr Jeevan Jyoti & Dr. Harleen Kour from Department of Commerce, University of Jammu on 07.06.2023.
- An online workshop was organized on “**Intellectual Property Rights (IPRs) and IP Management**” by Dr. Munish Gupta, from Baba Farid School of Entrepreneurship & Incubation, Bathinda, Punjab on 12.06.2023.
- A workshop on “**Problem Solving and Ideation**” by Ms. Rashi Taggar, SMVDU Katra on 30.11.2023.
- A workshop was organized on “**Entrepreneurship, Skill, Attitude and Behavior Development**” by Er. Ishan Verma (Alumnus) & Er. Arush Mahajan, Entrepreneurs on 23.02.2024.
- A workshop was organized on “**Business Canvas Model**” in collaboration with JKEDI and Techible, IBC, IIT Jammu Incubated by Mr Parmveer Nandal on 09.05.2024.
- An online workshop was organized on “**Intellectual Property Rights (IPRs) and IP Management for Start Up**” by Dr. Manish Gupta by Baba Farid School of Entrepreneurship & Incubator, Bathinda on 16.05.2024

### **➤ Participation in Events, 2023-2024**

- Mr. Nishant Bhagat of 6<sup>th</sup> semester student from Department of Computer Engineering and Ms. Janavi Sharma of 6<sup>th</sup> semester from E&C Department was participated in Design & Entrepreneurship (IDE) Bootcamp organized by Ministry of Education & Innovation (MIC) & ACITE at NITTTR, Chandigarh on 22<sup>nd</sup>- 26<sup>th</sup> June 2023.
- Faculty and students attended an online session for “**Tomato Grand Challenge**” organized by MIC in collaboration with Ministry of Consumer affairs on 30.06.2023.
- Mr. Haresh Vardhan, Ms. Reeya Rehan and Ms. Karishma Raina students of 6<sup>th</sup> semester from Department of Computer Engineering participated in a short video competition organized by MoE in collaboration with MyGov on “**Implementation**”

**of National Education Policy(NEP) 2020 – NEP Ki Samajh”** on 14.07.2023.

- Faculty and students participated in online session on **“Pre-Incubation & Incubation support system for early stage startups”** in India organized by MIC, ACITE, India on 20.07.2023.
- Faculty and students participated in online session on **“Attaining Business Fit: Refine Business Plan of your start up ”** organized by MIC, ACITE, India on 21.07.2023.
- Faculty and students participated in online session on **“Legal & Ethical Steps & Regulatory Issues for Start Up Establishment ”** organized by MIC, ACITE, India on 22.07.2023.
- Faculty and students participated in online session on **“Importance of IPR and Managing Intellectual Property Right at early stage of Start Up ”** organized by MOE’s Innovation Cell, New Delhi on 07.08.2023.
- Students participated in one week **“Entrepreneurship Development Program”** was organized by SMVDU, Katra in collaboration with Higher Education Department on 10.10.2023 to 10.10.2023 at SMVDU, Katra.
- Mr. Sanjeev Gupta, Associate Professor participated in **IIC Regional Meet of NWRO Zone** was organized by MoE Innovation cell, AICTE, New Delhi at Chandigarh on 21.11.2023.
- Students participated in **IEEE YESIST 12 Prelims** at MIET, Jammu for showcasing their ideas on 19.03.2024.

## **E. Financial Implications**

- Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus 2023-2024: Rs.6000/-

## **F. Achievements/Rewards**

- One team comprising of 05 students viz. Ms. Anushika , Ms. Avleen Kour & Mr. Aryan students of 6<sup>th</sup> semester, Dept of Mechanical Engineering, Ms. Akriti Verma & Ms. Arooshi Sharma students of 6<sup>th</sup> semester , Dept of Electrical Engineering secures a position among the top 5 out of 51 best ideas at **“Start Up Thrive 2.0”**. the event was organized by **ACIC RISE Association and supported by Atal Innovation Mission, NITI Aayog, GOI and Chandigarh Engineering College- CGC Landran, Mohali** on 14.03.2024 to 15.03.2024.

## **G. Participation of IIC-Institute in**

- **ARIIA**

Government College of Engineering & Technology Jammu, has been participating in the 'Atal Ranking of Institutions on Innovation Achievements (ARIIA)' initiative of Ministry of Education, Govt. of India since 2018 onwards.

- **NISP Adoption status**

-GCET has joined the NISP Policy Campaign and Nominated NISP Coordinator for Policy Adoption.

-All the orientation sessions for Adoption of NISP at HEI level conducted by Ministry of NISP Implementation team, Ministry of Education's Innovation Cell, AICTE, New Delhi, were attended by faculty members/ IIC members involved for creating the entrepreneurial and innovation ecosystem in the college was attended.

- NISP coordinator and IIC President. Attended the Policy Implementation Training Program offered by Ministry of Education's Innovation Cell

-The Experts Members Committee of have been formed at HEI for formulation of the Policy

-Time to time Committee Meetings have been conducted to finalize the action items Short term and Long term plans ( 3yrs or 5 yrs), KPIs etc and for finalizing the Innovation and Entrepreneurship Policy Document for the institute .

-The Innovation and Entrepreneurship Policy formed by the Committee has been approved at institute level.

-The Head of the Institute/Competent Authority got the approval of Innovation and Entrepreneurship Policy to be implemented at Institute level.

-The NISP Coordinator has joined in the GCET, Institution's Innovation Council (IIC)

-One faculty member has trained for Policy Formulation & Policy Implementation.

- **Smart India Hackathon /Hackathons**

- **Bootcamp/Smart India Hackathon /Hackathons/ FEST**

- Mr. Nishant Bhagat of 6<sup>th</sup> semester student from Department of Computer Engineering and Ms. Janavi Sharma of 6<sup>th</sup> semester from E&C Department was participated in **Design & Entrepreneurship (IDE) Bootcamp** organized by **Ministry of Education & Innovation (MIC) & AICTE at NITTTR, Chandigarh** on 22<sup>nd</sup>- 26<sup>th</sup> June 2023

- Total 07 teams participated in Smart India Hackathon 2023.

- One team comprising of 05 students viz. Ms. Anushika, Ms. Avleen Kour & Mr. Aryan students of 6<sup>th</sup> semester, Dept of Mechanical Engineering, Ms. Akriti Verma & Ms. Aroshi Sharma students of 6<sup>th</sup> semester, Dept of Electrical Engineering participated in "**Start Up Thrive 2.0**". the event was organized by **ACIC RISE Association and supported by Atal Innovation Mission, NITI Aayog, GOI and Chandigarh Engineering College- CGC Landran, Mohali** on 14.03.2024 to 15.03.2024

- One team comprising of 04 students viz Archit Gupta, Ansh Khajuria, Rudra

Gupta, Tanish Khajuria of CSE 4<sup>th</sup> Semester got selected in **IEEE YESIST'2 Prelims** at MIET, JAMMU on 19.03.2024 for showcasing their idea during the event.

## H. Social Media & Connections of IIC Institute

- Website: [Link](#)
- Instagram: [Link](#)
- LinkedIn: [Link](#)
- Twitter: [Link](#)

## I. Photographs/Banners/Flyers at

*Event Photographs at:* [Link](#)

*Event Banner/Flyers at:* [Link](#)

*Certificates at:* [Link](#)

## J. Contact



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