

**Chandigarh College of Engineering and Technology**

**(Degree Wing)**

**Sector 26, Chandigarh**



**CCET Innovation and Startup Policy 2021**

**for**

**Students and Faculty**

## **Preamble**

In compliance with Ministry of Human Resource Development, The National Innovation and Startup Policy (NISP-2019), Chandigarh College of Engineering and Technology (CCET), Degree Wing, constituted a committee to implement the policy with the help of “*Guiding Framework for Higher Education Institutions*”.

The objective was to implement NISP 2019 for students and faculty of CCET to enable the institute to actively engage students, faculties and staff in innovation and entrepreneurship related activities.

The guidelines will provide ways to the institute for developing entrepreneurial agenda, managing Intellectual Property Rights (IPR) ownership, technology licensing and equity sharing in Startups or enterprises established by faculty and students.

**Following are the internal members of the committee:**

1. Prof. D. S. Saini, Professor In-Charge  
Professor and Head, Electronics and Communication Engineering
2. Dr. Ashwani Kumar, Coordinator NISP,  
Assistant Professor, Mechanical Engineering
3. Dr. Dinesh Sharma, Member NISP  
Assistant Professor, Electronics and Communication Engineering
4. Dr. Ankit Gupta, Member NISP  
Assistant Professor, Computer Science Engineering
5. Dr. S. C. Vettivel, Member NISP  
Assistant Professor, Mechanical Engineering
6. Dr. Parvinder Kaur, Member NISP  
Assistant Professor, Electronics and Communication Engineering
7. Dr. Amit Chhabra, Member NISP  
Assistant Professor, Computer Science Engineering
8. Er. Poonam, Member NISP  
Assistant Professor, Civil Engineering
9. Dr. Sarita Sharma, Member NISP  
Assistant Professor, Electronics and Communication Engineering
10. Dr. Gulshan Goyal, Member NISP  
Assistant Professor, Computer Science Engineering
11. Er. Hardeep Saini, Member NISP  
Assistant Professor, Electronics and Communication Engineering
12. Ms. Karuna Sharma, Member NISP  
Assistant Professor, Civil Engineering

**Following are the external members of the committee:**

1. Ms. Divya Kaushik  
Scientist  
Punjab State Council for Science & Technology, Chandigarh
2. Er. Dinesh Patiyal  
Founder & CEO at HFIL Technologies Pvt Ltd
3. Er. Amardev Singh  
Assistant Professor,  
Entrepreneurship Development and Industrial Coordination (EDIC)  
NITTTR, Chandigarh
4. Er. Rizul Goyal  
Director at NG Energy Solutions LLP, Chandigarh  
(Alumni of CCET (Degree Wing), Sec-26 Chandigarh)
5. Er. Utakrash Khandelwal  
Co-Founder at RootWorkz Learning- (Start –up unit)  
(Alumni of CCET (Degree Wing), Sec-26 Chandigarh)
6. Mr. Vishal Deep  
Research Assistant  
Iowa State University, USA
7. Mr. Rishabh Chopra  
Founder/Executive Director, South-Vale: The World School, RC Kia, RC  
Nissan, Kasauli Courtyard

### **Short term objectives:**

1. To develop spirit of Innovation and Entrepreneurship among the talented budding engineers, faculty, and staff.
2. To organize short term course, seminars, workshops, expert talks for students, faculty and alumni and to promote entrepreneurial culture.
3. To create awareness among students and faculty regarding IPR related activities.
4. To facilitate the student groups to prototype their ideas.
5. To develop pre-incubation facility for faculty driven start-ups and student/alumni start-ups.

### **Long term objectives:**

1. To develop an extensive incubation facility for faculty driven start-ups and student/alumni start-ups.
2. To collaborate with organizations/agencies like DRDO, DST, CSIO, CII, EDI, NIELIT, C-DAC, SPIC, Industries and other academic institutions like IIT, NIT, NITTTR, PEC Chandigarh etc. so as to enhance the teaching-learning process and increase the technical knowledge.
3. To enhance the quality of research work among the students, faculty/staff, and help them to file patents which can be used commercially.
4. To develop advanced research facilities for students and faculty/staff.
5. To provide a platform for students to develop innovative products with global recognition and generate business opportunities.
6. To generate revenues through consultancy and start-up.

### **Source of Funds for CCET Innovation and Startup Policy:**

- Allocation of 1 % CCET budget as innovation fund to be used in IIC, NISP activities after approval from the concerned authority.

### **Proposed rules for faculty/Staff & students:**

- Rules for Idea submission:
  - a) The faculty/staff and students must get their idea approved by a standing committee before starting the start up.
  - b) If idea is approved, he/she shall submit a business plan before proceeding further.
  - c) After due approval from Principal CCET (Degree Wing) and Chandigarh Administration, faculty/staff may be granted an extra ordinary leave for 6 months to one year depending upon the plan submitted and committee's approval. His /her seniority however shall not be affected by this leave period.
- The student leave rules for innovation and startup related activities will be governed by the same rules which are approved by the Panjab University, Chandigarh.
- Grant of leave for students, faculty/staff shall be solely at discretion of Principal/ Concern authority.
- Fee relating to obtaining the IPR shall be borne by the college, college shall have 2 % equity in such venture if founded by student and 4 % equity if founded by faculty/staff. Space for venture shall be provided in CCET (Degree Wing), Chandigarh. Rent and other charges for the same shall be charged as per prevailing rates to be approved by Chandigarh Administration.
- The idea Pre-incubation centre is to be developed at CCET (Degree Wing), Chandigarh.
- Appropriate seed money may be granted to students depending upon merit of idea for incubation and subject to approval from competent authority.

**Collaboration, Co-creation, Business Relationship and Knowledge Exchange:**

CCET will work towards signing MoUs with Industry, organizations (CSIO/DST/TBRL etc.) Incubation centres, academic institutions etc. for collaboration, co-creation and business relationship and knowledge exchange for helping the students and alumni in establishing and promoting new startups/ entrepreneurship in the institute.

At the CCET end, an online portal will be established where different companies can register for making/working in collaborations with the institute.

- To make the process for collaboration specific, companies with minimum worth of Rs. 100 Crores can be allowed to work for collaboration with the institute. However, these criteria will not be considered in the case of any Govt. aided/funded institute/organization. Further, the NISP committee at the institute level can decide the industry on merit.

**Guidelines for forming and managing the relationships with external stakeholders including industries:**

Both CCET and INDUSTRY shall encourage interactions between the practicing engineers, faculty members and students through the following arrangements:

- a) Professional/vocational/industrial training of CCET students at INDUSTRY.
- b) Joint guidance of student projects and other areas of national interest at CCET by INDUSTRY on mutually agreeable terms.
- c) INDUSTRY would provide internship to the students during their 8<sup>th</sup> semester for imparting practical experience.
- d) Would allow the industrial visits of students for half/full day to provide them with an exposure to various equipment's, instruments, etc.

- e) INDUSTRY may showcase its business activities at the seminar/workshop/conference, etc. at CCET.
- f) Alumni will be invited to establish their startups at CCET. Various interactive sessions can be organized for alumni & students to facilitate for collaboration.
- g) CCET and INDUSTRY shall make provisions to share their respective important R&D facilities in order to promote academic and research interactions in the areas of cooperation.

**Coordination of the programme including financial arrangements:**

- a) The collaborative program between CCET and INDUSTRY shall be coordinated by a coordination committee appointed by heads/competent authority of both the organization.
- b) Financial arrangements for each specific collaboration will be decided on a case to-case basis and brought on record in each case after due approval from heads/competent authority of both the organization.
- c) The MOU shall be effective from the date of its approval by competent authorities at both ends.
- d) The duration of the MOU shall be for a period of 5 years from the effective date.
- e) During its tenancy, the MOU may be extended or terminated by a prior notice of not less than six months by either party. However, termination of the MOU will not in any manner affecting the interests of the students/faculty/scientists who have been admitted to pursue a program under the MOU.
- f) Any clause or article of the MOU may be modified or amended by mutual agreement of INDUSTRY and CCET.



## **Entrepreneurial Impact Assessment**

The college's entrepreneurial activities will be evaluated annually for their long term socio-economic and technical effects using well-defined assessment criteria. The impact will be evaluated by college participation in all entrepreneurial teaching and learning, number of startups created, number of IPR's, number of collaborations and MoU's etc. Participants' satisfaction with the college's activities will also be collected and included in the impact assessment. The information on impact of the activities will be actively used while developing and reviewing the entrepreneurial strategy.