

Centre for Innovation and Entrepreneurship Development (CIED) Islamic University of Science and Technology (IUST)

1.1.Introduction: Boosting innovation and fostering entrepreneurship is imperative for development and improving the economy of the country. The successful entrepreneurship development leads to business development , social change and community development. The whole purpose of entrepreneurship development is to increase the number of start-ups and thereby making country export oriented. Entrepreneurship is always supported by innovations which nurtures novel ideas and transforms them into products, processes and services for the commercial exploitation and thereby making society self-reliant. The core philosophy of Centre is to change the mindset of youth towards innovation and entrepreneurship , as this region is facing huge challenge of unemployment scenario. Thus, establishing a Centre for promotion of innovation and entrepreneurship (CIED), specifically in the rural area is of eminence importance for bringing the grass root change in the society. The Centre has developed an enabling ecosystem for innovation and entrepreneurship by encompassing many units of the university. The Centre specifically encourage budding entrepreneurs by infusing critical, lateral and design thinking, thereby nurtures their ambitions and enable new ventures through highly practical learning experience.

1.2.: Vision: “ To nurture innovation and entrepreneurial culture amongst the youth, and thereby enable them to serve as instruments for enriching the society as a whole”

1.3.: Mission: “To act as a catalyst in promoting a culture of entrepreneurship through education, training, research and institution building which, in turn, will help achieve inclusive and sustainable growth of J&K”

1.4.: Objectives:

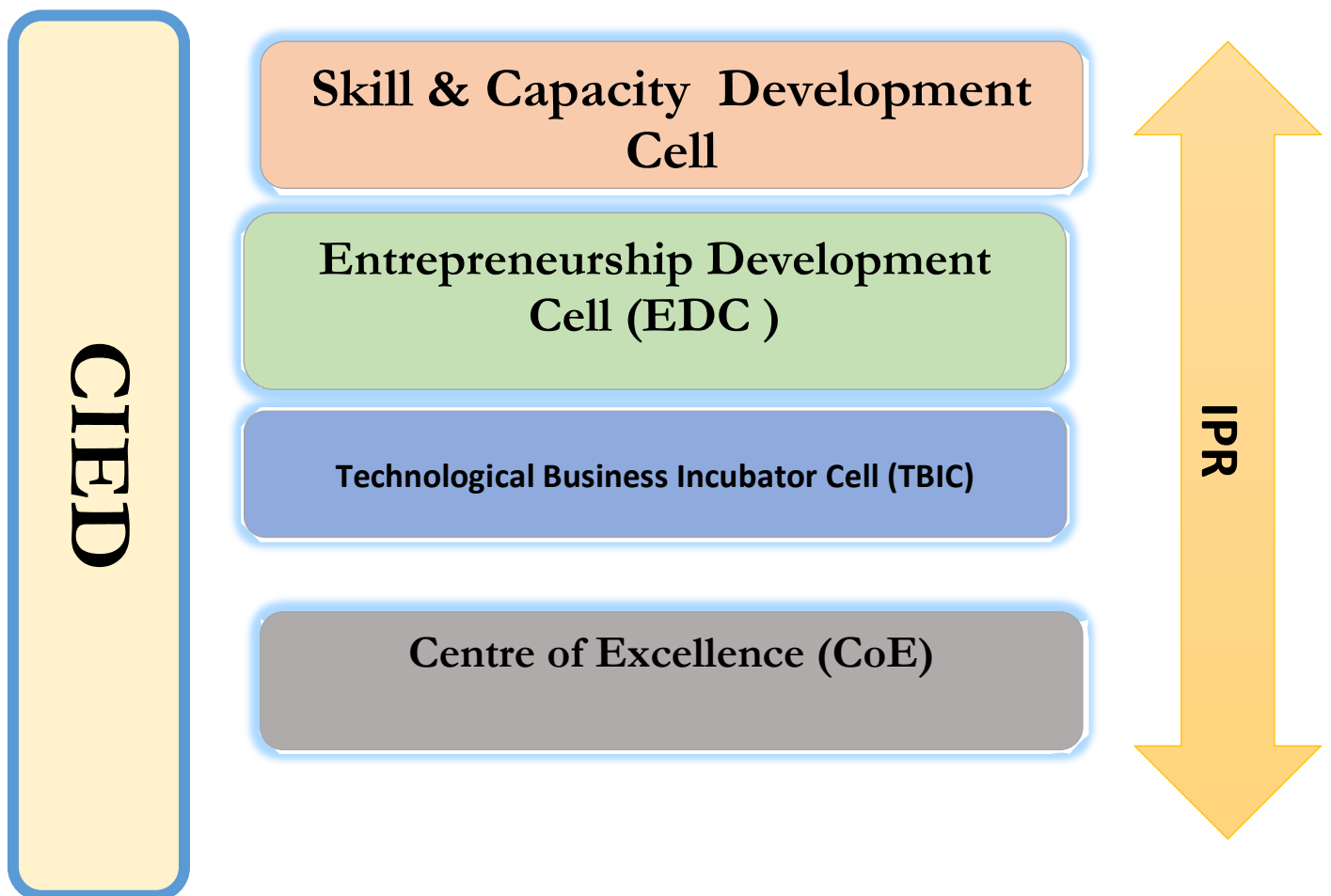
- i) To create awareness and provide entrepreneurship education to the potential entrepreneurs.
- ii) To design and conduct capacity building and training programs to promote and develop entrepreneurship among various stakeholders groups.
- iii) To train, mentor and handhold existing and potential entrepreneurs and IUST students, to establish new businesses.
- iv) To maintain, operate and share infrastructure that would provide technical training through incubation labs to potential and existing entrepreneurs.
- v) To establish and maintain a resource Centre to enable knowledge creation and sharing in the area of management, science, engineering and technology.
- vi) To integrate entrepreneurship in the academic programs of IUST and , promote entrepreneurship among students of IUST.
- vii) To collaborate with various funding agencies trade and commerce bodies, industry and training Centre's for entrepreneurship development.
- viii) To provide training and development sessions to rural community (including schools, colleges and villages) as part of Corporate Social Responsibility (CSR)
- ix) To collaborate with various institutions and experts for helping and guiding the entrepreneurship development activities

1.5.: Governing Council of CIED

1. Hon'ble Vice Chancellor	Chairperson
2. Dean Academic Affairs	Member
3. Dean Research	Member
4. Dean School of Engineering & Technology	Member
5. Dean School of Sciences	Member
6. Dean School Business Studies	Member
7. Dean School of Health Sciences	Member
8. Dean School of Social Sciences	Member
9. Registrar	Member
10. Finance Officer	Member
11. Director JKEDI	Member
12. Principal Secretary Higher Education J&K Govt.	Member
13. Principal Secretary Department of Industries & Commerce J&K Govt.	Member
14. Principal Secretary Skill Development, J&K Govt.	Member
15. President, Federation of Com. & Industries Kashmir (FCIK)	Member
16. President The Kashmir Chamber of Commerce & Industries(KCCI)	Member
17. Director CIED	Member Secretary.

1.6.: Structure: CIED is having following five verticals and in future these verticals may be increased based on market dynamics.:

- A) Skill and Capacity Development Cell:
- B) IPR/Registration Cell
- C) Entrepreneurship Development Cell (EDC)
- D) Technological Business Incubator Cell (TBIC)
- E) Centre of Excellence



1.7.A : Skill and Capacity Development Cell:

Skill development and capacity building will be vital tool for empower the youth to safeguard their future and for the overall development of the individual. Moreover, it will help in developing the entrepreneurship skills for corporate leadership. As it is important to develop the required skills at an early age of career, therefore, the parents and teachers are supposed to provide conducive environment to our youth in order to develop the entrepreneurship skills. The cell will work in sync with the mission of Skill India policy . The objective of the Skill & Capacity building Cell will be is to offer market driven skills to the youth of state, so that they become relevant for current and future market demands.

Team for Skill and Capacity Development Committee

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| 1. Dr. S. Darakshan | Coordinator |
| Department of Food Technology-IUST | |
| 2. Dr. Azhar Jameel | Member |
| Department of Mechanical Engineering | |
| 3. Dr. Asif Assad | Member |
| Department of Computer Science & Engineering | |
| 4. Dr. Monisa Qadri | Member |
| Department of Journalism | |

B.: IPR/Registration Cell: Intellectual property rights are the rights given to persons over the creations of their minds and gives the creator an exclusive right over the use of his/her creation for a certain period of time.

This cell will help the students in writing and filling patents and the cost of filling the patent will be borne by the CIED as per the terms and condition of CIED-IUST. Further the cell will also help new start-ups to complete the registration process for establishing new companies. This cell will organized workshop/seminars on IPR/Company registration and for designing the Detailed Project Reports (DPRs) as per the specification of the respective industries. Moreover, will establish ideation / innovation clubs in different departments/ institutions of the state and will try to improve the ARIIA ranking at the national level.

Team for IPR/Registration Committee

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| 1. Dr. Asifa Baba | Coordinator |
| Department of Electronica & Communication | |
| 2. Dr. Muzaffar Macha | Member |
| Watson & Crick Centre | |
| 3. Dr. Rayees A. Ganaie | Member |
| Department of Vocational Studies | |

C: Entrepreneurship Development Cell (EDC):

The Entrepreneurship Development Cell EDC was established in July 2017, with a vision to develop entrepreneurial mindset among the students of IUST in particular and was subsumed with CIED on 17th May, 2021. The EDC is intended to go a long way in revival of entrepreneurship culture in the state so that our younger generation thinks intuitively in terms of becoming ‘employers rather than employees’. The major application areas of the EDC include promoting Entrepreneurship in Science and Technology, with special emphasis on Food Processing, Agri-Business, Engineering, Services, Medicinal plants and Business Management. The objective this cell will be to convert an idea into prototype so that the same can be recommended for incubation depending upon the technical, marketing and economic feasibility reports. Moreover, will promote the benefits of Start-up India and Stand-up India to our budding entrepreneurs. The EDC also helps in incubating micro, small and medium business enterprises, preferably using innovative or patented technologies, so that they contribute towards generation of employment and economic development of the State. The EDC is also having Entrepreneurship Start-up Cell (ESC) and Industry-Institute Interaction Cell (IIIC) as its constituent bodies. The Entrepreneurship Startup Cell (ESC) is intended to help students in providing small seed capital grant for developing innovative prototype products/ services whereas IIIC is supposed to help them in commercialization of their products/services by minimizing the gap between industry and academia as this cell will develop the industry linkage in and outside the state.

Team for EDC :

1. Dr. Parvez A. Mir	Director CIED	Chairperson
2. Dr. Abid H. Shalla	Department of Chemistry	Member
3. Dr. Shahkar Nehvi	Department of Electrical Engineering	Member
4. Dr. Basharat Nabi Dar	Department of Food Technology	Member
5. Dr. Shujaat Hussain	Department of Civil Engineering	Member

D: Technology Business Incubation Cell (TBIC):

The role of TBIC would be in the following areas:

- i. To create awareness about innovation in the form of ideation workshops, hackathons, and other promotional events.
- ii. To identify potential ideas that could be developed as production prototypes through pre-incubation activities.
- iii. To provide incubation facilities in the form of:
 - physical infrastructure (workspace, conference room, meeting place, laboratories, workshops etc.)
 - Utilities like Internet, electricity, water
 - Linkages with mentors, Industry Professionals, Academia, Researchers, Investors, Venture Capitalists
 - Arrangement of Seed Capital
 - Tie-ups with financial institutions
 - Tie-up with Govt. Institutions
 - Marketing support
 - Intellectual property safeguards
 - legal assistance, CA assistance
 - Launch of start-ups & hand holding support till they achieve sustainability.

Team for Technological Business Incubator (TBIC) Committee

1. Dr. Majid Koul Department of Mechanical Engineering	Coordinator
2. Dr. Asif Bashir Naqashbadhi School of Business Studies	Member
3. Dr. Sajad A. Lone Department of Computer Science & Engineering	Member
4. Dr Hilal A. Makroo Department of Food Technologies	Member
5. Dr. Shakeel Ahmad Department of Electronics & Communication	Member
6. Er. Adil Bashir Department of Computer Science Engineering	Member

E: Centre of Excellence (CoE)

The role of Centre for Excellence (CoE) & Technology Transfer Centre (TTC) would be in the following areas:

Broad Areas:

- IoT driven applications for smart agriculture, precision farming and water management
- AI/MI based systems as per the societal requirements
- Applied Mechanical Engineering and Robotics
- Energy efficient systems harnessing photovoltaics
- Smart Geo-information systems
- Smart City driven applications
- Web based applications for different platforms

Team for Centre for Excellence (CoE)

1. Dr. Kaiser Giri	Coordinator
Department of Computer Science	
2. Dr. Rumaan Bashir	Member
Department of Computer Science	
3. Dr. Tehmeed Shah	Member
Department of Food Technology	
4. Dr. Ruheela Hassan	Member
Department of Journalism	
5. Dr. Arif Shah	Member
Department of Civil Engineering	
6. Er. Mehran Quareshi	Member
Department of Architecture & Planning	

1.7.: Selection of Ideas for funding:

- Stage -1-** Invitation of Application for Innovative ideas (proposals)
- Stage-2-** Screening of proposal (ideas) by the Committee established by the Director CIED.
- Stage 3-** Proposals will be evaluated by Academic and Industrial expert for their opinion

Stage 4- Shortlisted proposals will be discussed in the Governing Council of CIED and accordingly approval for seed capital in respect of ideas/startup will be done

Stage 5: The proposal will be referred to funding agency for release of of Seed capital.