

Report of NISP Awareness Program

Conducted on 27-08-2022 and 06-09-2022

Organised by CBIT NISP

Dr.U.K.Chaudhary, Prof and Director of Incubation and Innovation, CBIT, presented an awareness program on **27-08-2022** for staff and students. In this session he spoke about the objectives of NISP and also explained the various implementations stages of NISP in HEIs. He also explained the concept of innovation and entrepreneurship echo system to the staff and students. The various major domains of entrepreneurship echo system was also brought forward to the staff and students. He further emphasized on the need of innovation and entrepreneurship. The various ways of innovation was discussed in the awareness program. The start-up policies of NISP were also discussed in length.

The Technology Readiness Levels and Investment Readiness Level, concepts were covered. Further patents and copyright Laws and their importance with examples were discussed for the awareness of staff and students.

At the end of the session the various steps of design thinking was also discussed with the faculty and students.

Apart from these awareness sessions **Dr.N.V.Srinivasulu**, Prof, Mechanical Department also delivered lectures in the awareness program for students on **6th September 2022** in different classes.

On **12th of August 2022** in the Regional meet of IIC, SCRO Zone (at SNSIT, Hyderabad), a session on innovation echo system, NISP and ARIIA was delivered to the faculty of different colleges participating in the meet.

Awareness Program NISP, Innovation & Entrepreneurship and ARIIA Frame work

Organised by CBIT -NISP
27-8-22

Presentation by Dr. U.K. Choudhury, Prof. and Director, Incubation & Innovation, CBIT

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NISP, I&E Ecosystem and ARIIA Frame Work

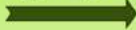
- Hon'ble Prime Minister of India has declared decade 2010-20 as the 'Decade of Innovation', to unleash the creative potential of every Indian.
- India has already been improving on global stage in terms of Innovation ranking from 86th place, few years ago, to 46th place recently
- For India to emerge as a global innovation hub, the youth of our country, especially in higher education institutions (HEIs) need to play a crucial role to create a sustainable innovation ecosystem
- Hence, ideally all HEIs should have a comprehensive and functional mechanism to convert research into innovations.
- This ecosystem will encourage, inspire and nurture young students by exposing them to new ideas and processes resulting in innovative activities in their formative years
- Atal Ranking of Institutions on Innovation Achievements (ARIIA) is an initiative of Ministry of Education (MoE), Govt. of India to systematically rank all major higher educational institutions and universities in India on indicators related to "Innovation and Entrepreneurship Development" amongst students and faculties

Guiding Framework for NISP

The 'National Innovation and Start -up Policy 2019 for students and faculty in HEIs was launched by Hon'ble Minister of Education, on 11th September 2019 at AICTE, New Delhi. This policy intends to guide HEIs for promoting students' driven innovations & startups and to engage the students and faculty in innovation and start up activities in campus

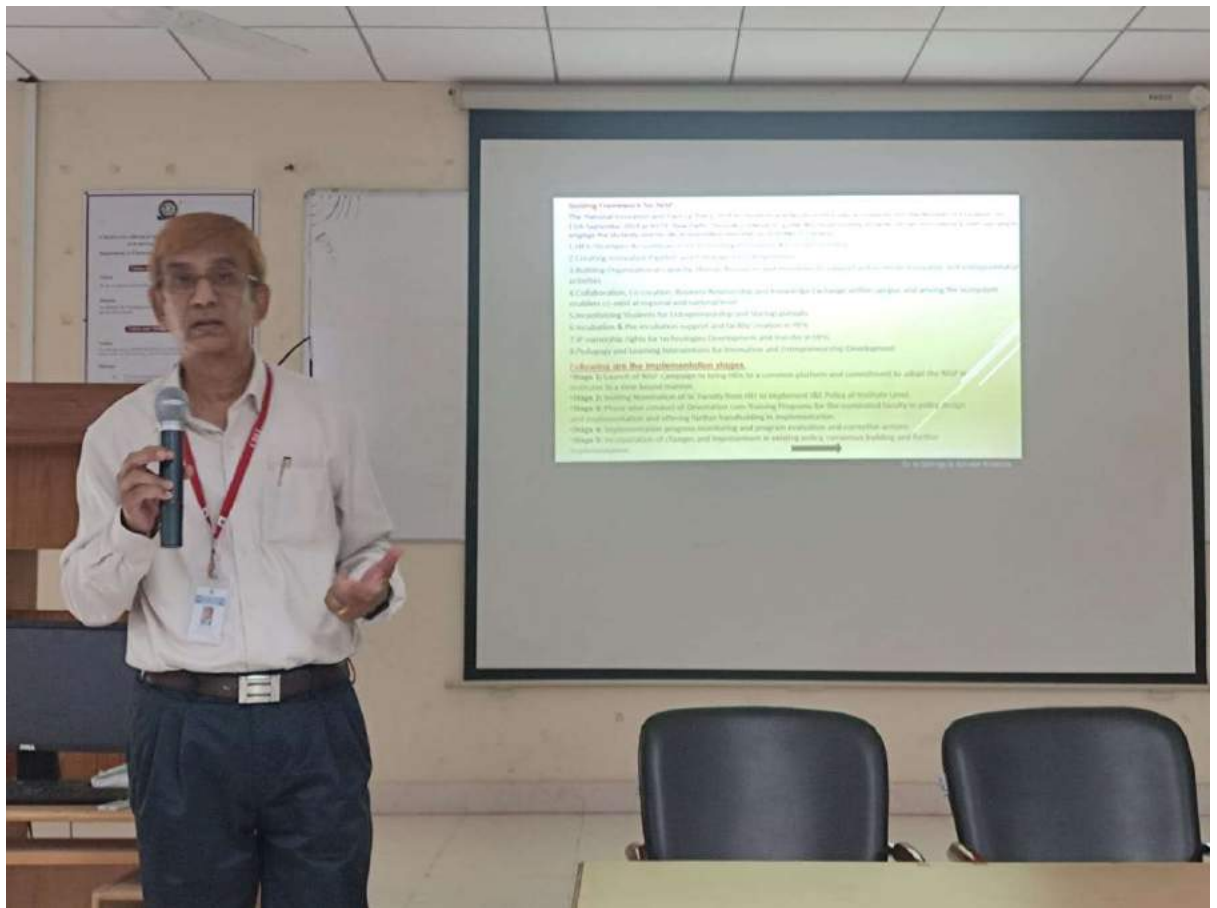
1. HEIs Strategies & Governance for Promoting Innovation & Entrepreneurship
2. Creating Innovation Pipeline and Pathways for Entrepreneurs
3. Building Organizational Capacity, Human Resources and Incentives to support and promote innovative and entrepreneurial activities
4. Collaboration, Co-creation, Business Relationship and Knowledge Exchange within campus and among the ecosystem enablers co-exist at regional and national level
5. Incentivizing Students for Entrepreneurship and Startup pursuits
6. Incubation & Pre-incubation support and facility creation in HEIs
7. IP ownership rights for technologies Development and transfer in HEIs
8. Pedagogy and Learning Interventions for Innovation and Entrepreneurship Development

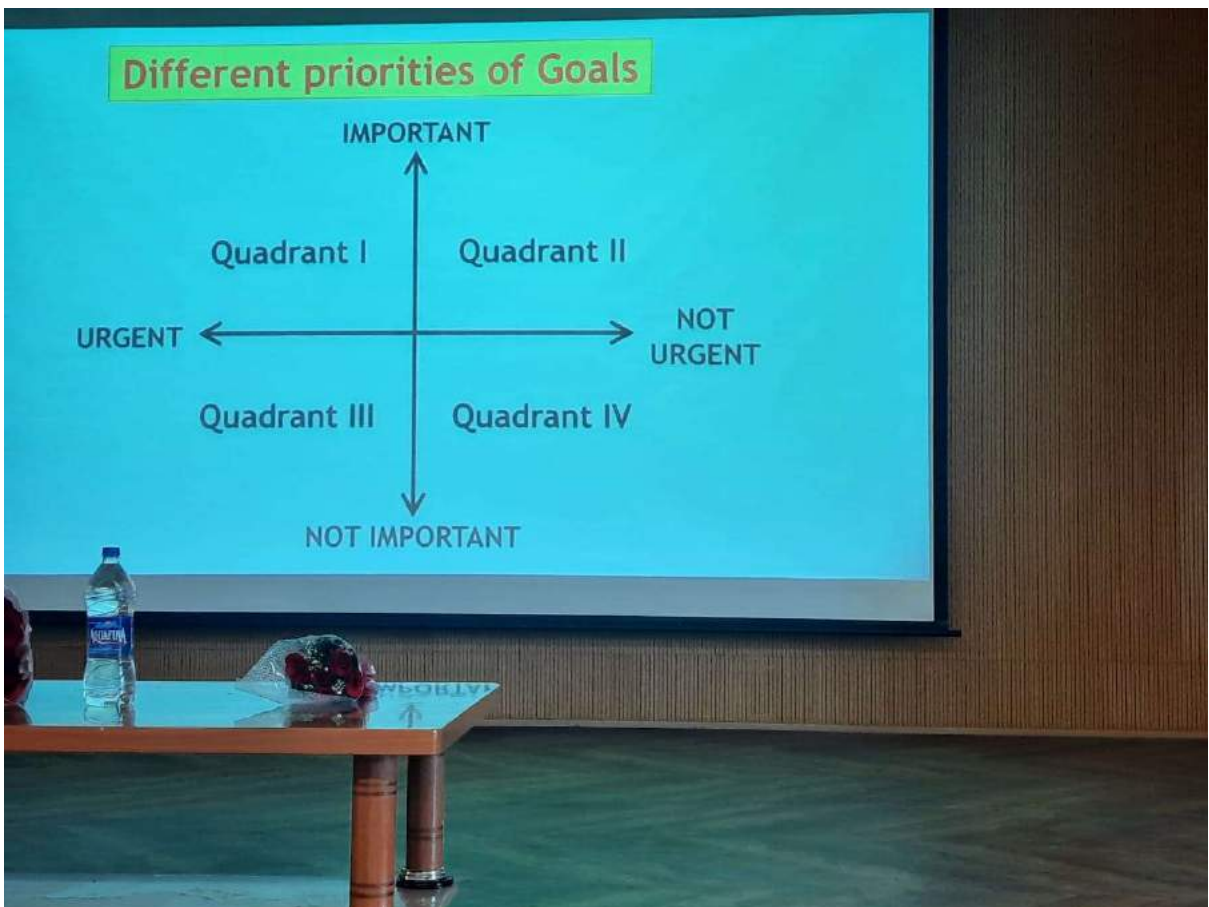
Following are the implementation stages.

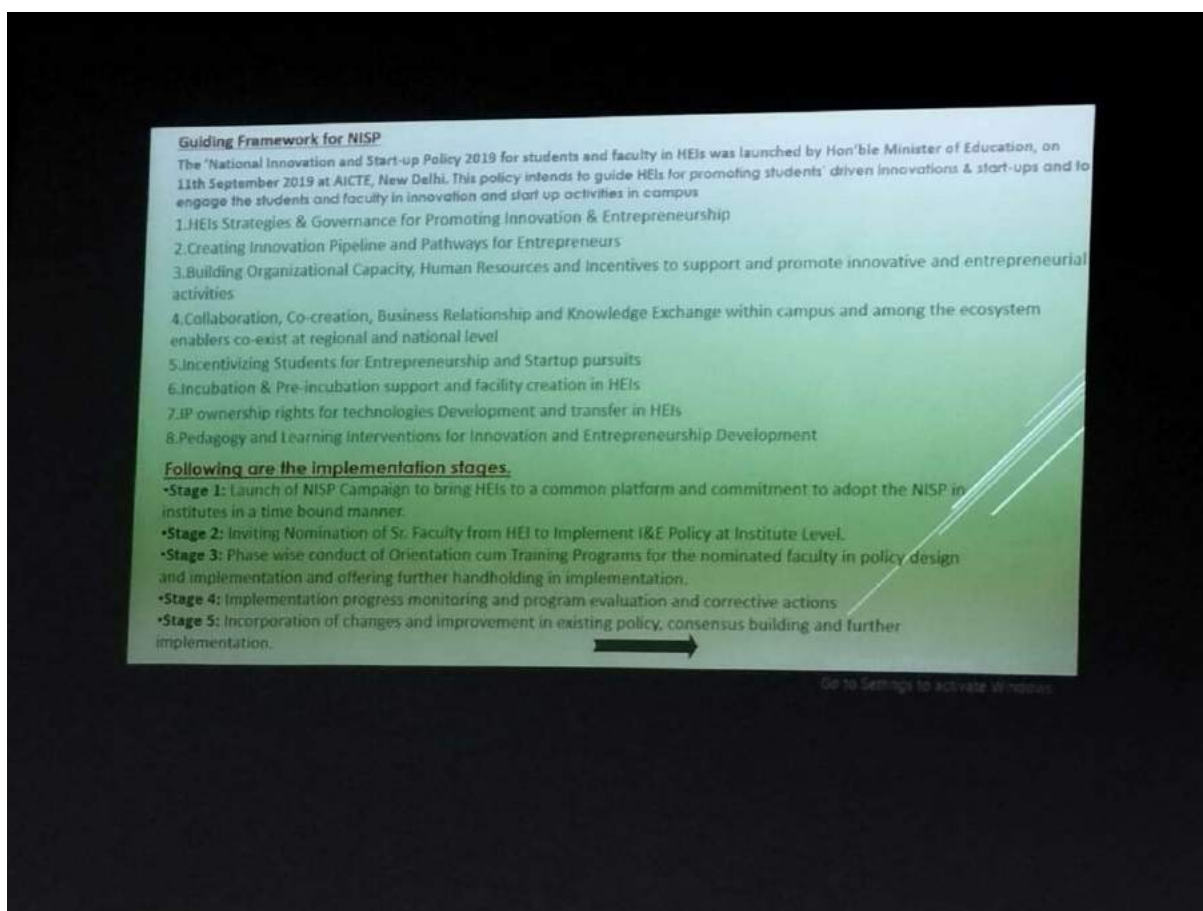
- **Stage 1:** Launch of NISP Campaign to bring HEIs to a common platform and commitment to adopt the NISP in institutes in a time bound manner.
 - **Stage 2:** Inviting Nomination of Sr. Faculty from HEI to Implement I&E Policy at Institute Level.
 - **Stage 3:** Phase wise conduct of Orientation cum Training Programs for the nominated faculty in policy design and implementation and offering further handholding in implementation.
 - **Stage 4:** Implementation progress monitoring and program evaluation and corrective actions
 - **Stage 5:** Incorporation of changes and improvement in existing policy, consensus building and further implementation.
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Objectives:

- Setting direction for HEIs towards streamlining and establishing a strong startup ecosystem in campus and region.
- Measuring Innovation & Startup ecosystem based on Input, Process, Output and Outcome based parameters.
- Focusing on both quantity and more on quality aspects of Startup Ecosystem available at Institute. • Also measure the impact created by these innovations and Startups from Higher Educational Institutions (HEIs) in society and market.
- Aiming at uplifting India's Position in the Global Innovation Index from 48th to top 30 in a time period of 5 Years.
- ARIIA ranking will certainly inspire Indian institutions to reorient their mindset and build ecosystems to encourage high quality research, innovation and entrepreneurship.
- Moreover, ARIIA will set tone and direction for institutions for future development for making them globally competitive and in forefront of innovation.







TECHNOLOGY READINESS LEVELS (TRLs)



FrontierSI Research and Innovation Ecosystem

ACADEMIA

INDUSTRY/GOVERNMENT

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Investment Readiness Level (IRL) Idea-to-Start-up-to-VC

- **IRL 9:** Full Commercial Development – A full time process engineering staff continuously verifies that operations are meeting cost, yield and productivity targets.
- **IRL 8:** Pre-Commercial Demonstration – Operating Conditions and quality stabilized
- **IRL 7:** Prototype High Fidelity MVP: Integrated Pilot Continuous Operation
- **IRL 6:** Validate Business/Revenue Model: Integrated Pilot Development– understanding operational nuances
- **IRL 5:** Validate Product-Market Fit (Integrated Validation of the Minimum Viable Process and Process Engineering). "High-fidelity" - A high-fidelity laboratory environment would involve testing with equipment that can simulate and validate all system specifications within a laboratory setting.
- **IRL 4:** Prototype Low-Fidelity Minimum Viable Product (MVP): "Low-fidelity" - A representative of the component or system that has limited ability to provide anything but initial information about the end product.
- **IRL 3:** Validate Problem - Solution Fit (Confirmed Value Proposition & Techno-Economic Analysis) & Minimum Product Cost (Maturity of Core Technology)
- **IRL 2:** Applied Research (Market Size and Competitive Analysis) & Business Plan – Value Proposition & IP Identification
- **IRL 1:** Basic Research (Need Identification & Peer Review Publications) & Completed First-Pass Business Model Canvas (BMC)

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