Innovation and Startup Policy Implementation Strategy and Progress Monitoring at HEI level

NISP Implementation Program
Ministry of Education's Innovation Cell

2nd Training Session (2020-21)

Date: 21 August 2020

Online Session 2: Innovation and Start up Policy Implementation Strategy and Progress Monitoring at HEI level

Opening Address by
Dr. Abhay Jere, Chief Innovation Officer

Topics Covered:

✓ What are the methods for the Innovation & Startup policy implementation?

Speaker: Dr. Pooja Rawat, Innovation Officer

✓ How to establish a framework for the policy implementation at HEI level?

Speaker: Dr. Mohit Gambhir, Innovation Director

✓ How to evaluate the progress and impact of policy by setting up KPIs?

✓ Task Sheet: To do list for Implementation

Speaker: Dr. Abhay Jere, Chief Innovation Officer

Tasks given post-Training Session 1 on 7 August 2020

Constitution of Committee for NISP Implementation

- Committee of experts comprising of people associated with delivering incubation and pre-incubation services and facilities, alumni, innovators, entrepreneurs, startup founders
- NISP Coordinator will be the convenor of the committee
- Representation from key industries/ ecosystem enablers from the region

Brainstorming Meetings of the committee members

- Identify thrust areas for policy intervention to achieve the policy goal
- Frame Vision (Goal), Mission, Impact (Long term Objectives), Outcome (Short term Objectives)
- Benchmarking of parameters and Key Performance Indicators for monitoring and Impact evaluation

Topics covered in previous Training Session 1 conducted on 7 August 2020

✓ Why HEIs should adopt and where to start adoption of NISP?

✓ What are the provisions and components in NISP for HEIs to implement?

✓ What are the desirable approaches, expected outcomes and likely impacts which will be created both at Micro & Macro level and Short- and Long-Term?

✓ Task Sheet preparation: To do list for adoption

What are the methods for Innovation & Startup policy implementation?

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Strategic Measures at the University/ Institute Level

What are the methods for Innovation & Startup policy implementation?

Pre-incubation Facility in the Institute?

What are the methods for Innovation & Startup policy implementation?

Support through Pre-incubation/ incubation facilities?

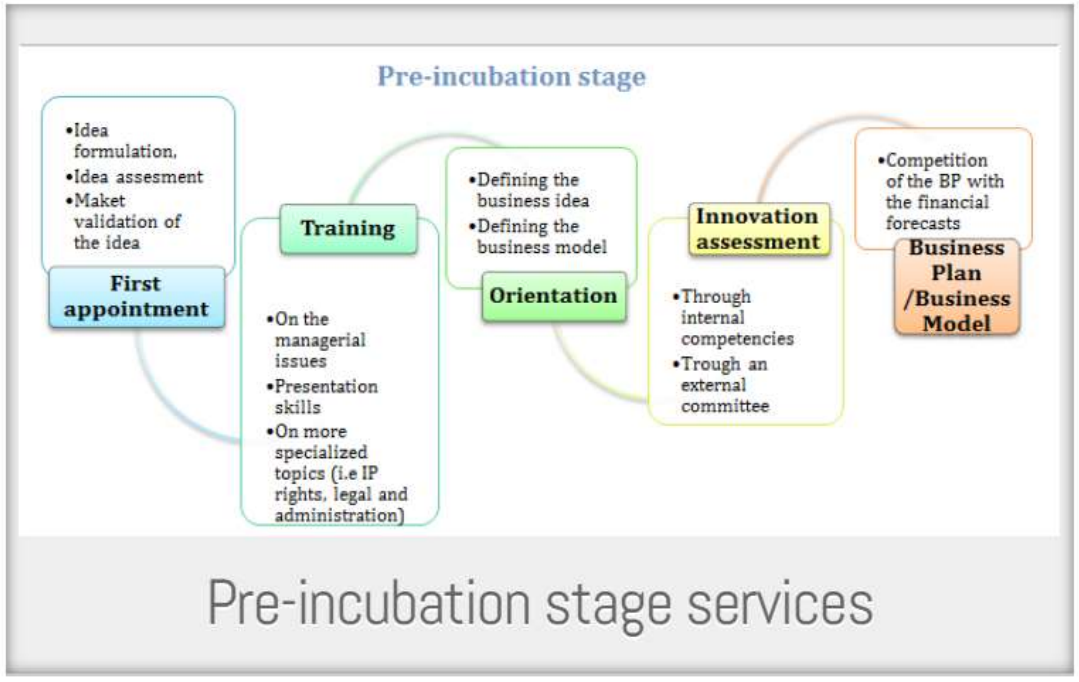
- Mentoring support
- Assistance in market research and business planning
- Support in securing IPR; access to facilities, resources,
- Guidance for raising grant funding, legal, administrative support

Clause 3 (i), NISP 2019

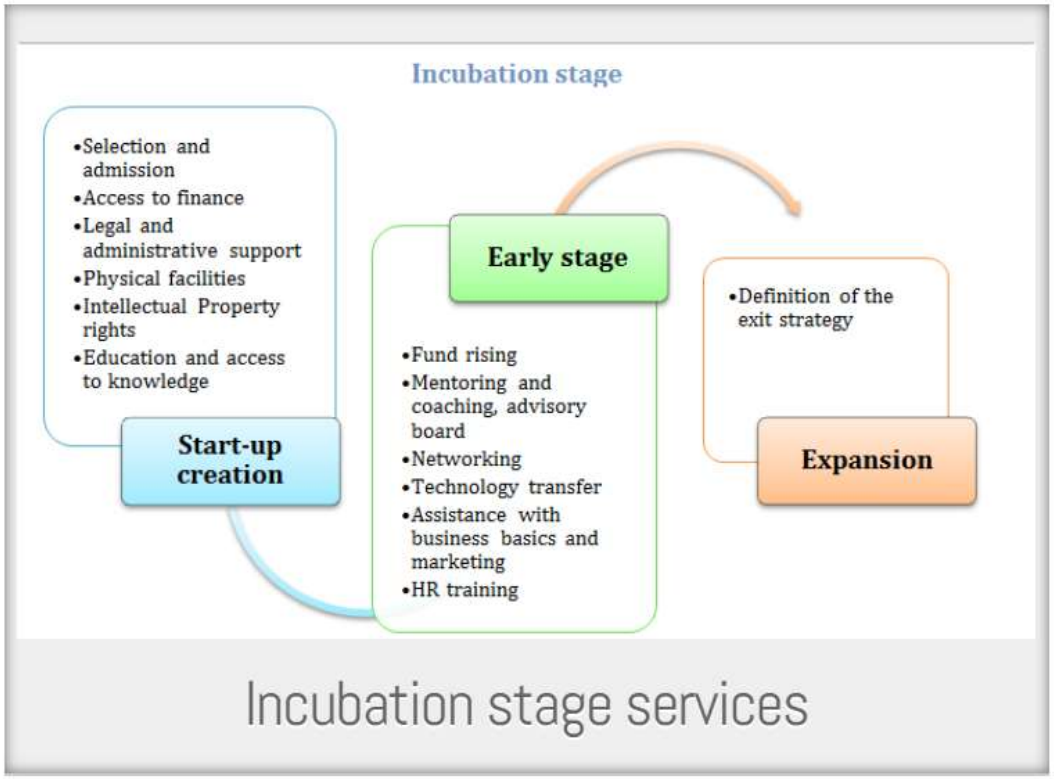
Reach out to the nearby institutions with existing facilities, in case institute doesn't have its own facility of pe-incubation and incubation, or institute is in the process of developing such facilities.

What are the methods for Innovation & Startup policy implementation?

Support through Pre-incubation/ incubation facilities?



Pre-incubation stage services



Incubation stage services

What are the methods for Innovation & Startup policy implementation?

Financial Strategies and Resource Mobilization?

- Generate funds through CSR for supporting the technology incubators
- Government organizations such as DST, DBT, MHRD, AICTE, BIRAC, TIFAC, NRDC, MeitY, MSME, Startup India, Invest India, etc.
- Alumni network for getting sponsorships and donations for activities
- International partnerships including exchange programs, internships

Clause 1 (c), NISP 2019

What are the methods for Innovation & Startup policy implementation?

Eg. Incubation Centres under Atal Innovation Mission -'Atal Incubation Centres'

Financial support in the form of Grant-in-aid for a maximum of 5 years

Grant-in-aid of Rs. 10 Crore - capital and operational expenditure

10,000 sq. ft of built up space with a lease period of 15 years for academic/ R&D institutions and 9 years for companies and individuals

More details at:
https://niti.gov.in/writereaddata/files/Guidelines%20to%20setup%20AIC%20May%202016.pdf

What are the methods for Innovation & Startup policy implementation?

E.g. DST, Govt. of India- National Initiative for Developing and Harnessing Innovations Technology Business Incubator (NIDHI-TBI)

Registration of NIDHI-TBI as not-for-profit society/trust or a section 8 company by the Host Institution.

The minimum period of lease for which the HI should provide land & building is 30 years.

20000 sq. ft of furnished space for hosting the NIDHI-TBI.

Rs. 7- 10 Crore Grant

More Details available at: http://www.nstedb.com/New_Programmes/NIDHI-TBI.pdf

What are the methods for Innovation & Startup policy implementation?

Selection of business ideas for Pre-incubation/ incubation

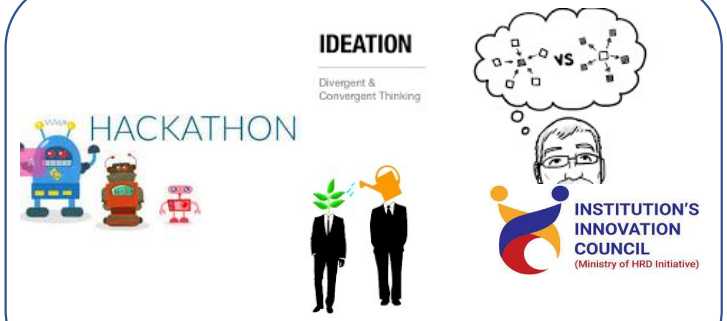
- Ensure Considerable commercial potential
- Ensure commitment of the team to create a new start-up venture
- Ensure IP filed
- Ensure team leader take responsibility to lead the project once pre-incubation phase is over

What are the methods for Innovation & Startup policy implementation?

Creating Pathways for Entrepreneurs within Institute

Awareness

DESIGN THINKING

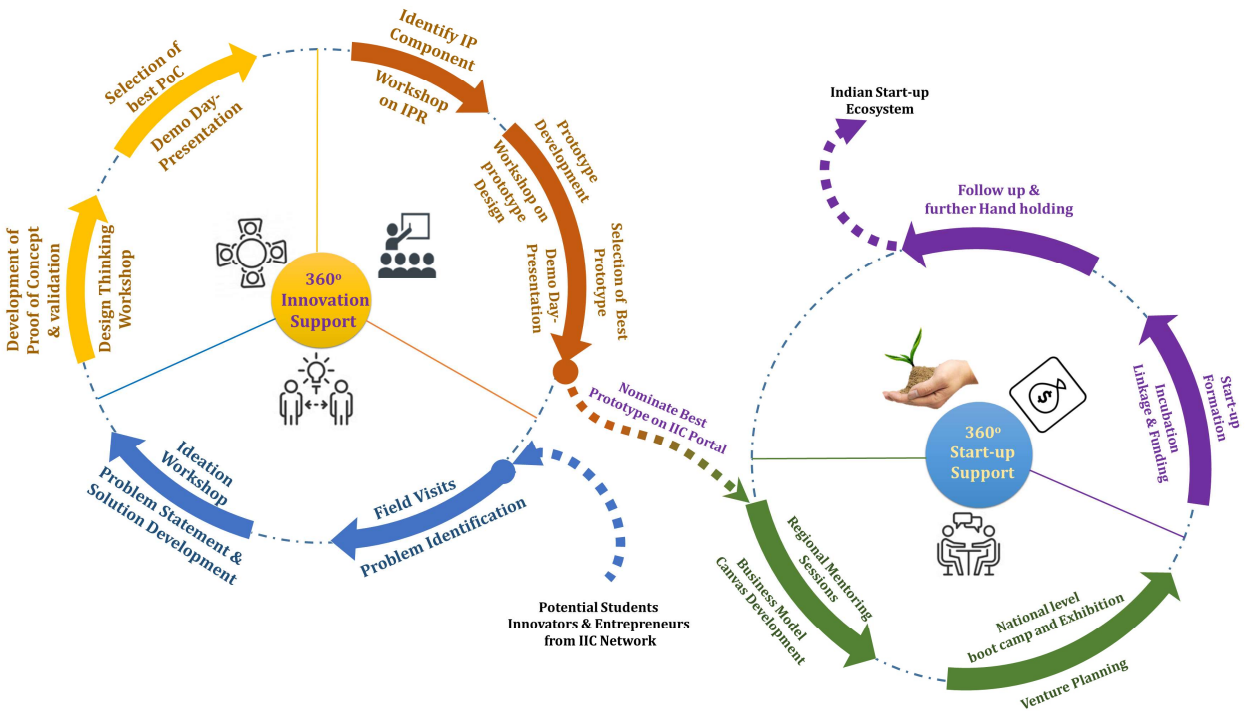


Mentoring programs

Clause 3 (g), (m), (n), (o), NISP 2019

What are the methods for Innovation & Startup policy implementation?

Eg. Annual Innovation Contest by Ministry of Education



- MIC Annual innovation Festival
- National level Boot camp and Exhibition
- Regional Mentoring Sessions
- Prototype Development
- Workshop on IPR & Identify IP Component
- Demo Day- Presentation & Selection of best PoC
- Development of Proof of Concept
- Ideation Workshop & Solution Development
- Field Visits & Problem Identification

What are the methods for Innovation & Startup policy implementation?

Grand Challenge, Ideation Challenges by Govt., Private National/ International Organizations

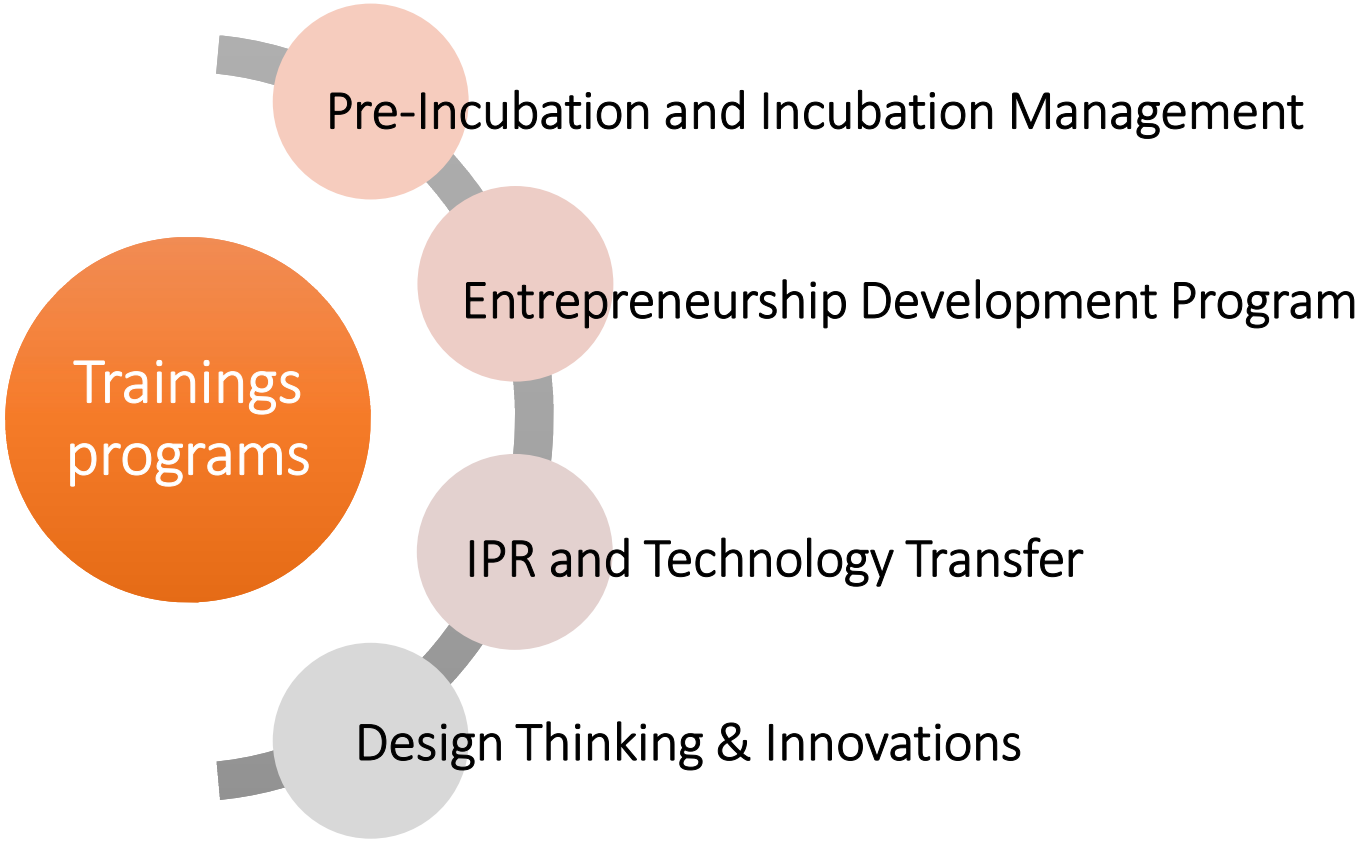
Cyber Security Grand Challenge- MeitY
https://innovate.mygov.in/cyber-security-grand-challenge/

www.sih.gov.in

https://home.kpmg/in/en/home/careers/graduates/kpmg-ideation-challenge-kic.html

What are the methods for Innovation & Startup policy implementation?

Eg. Innovation Ambassadors' Trainings by Ministry of Education and AICTE



How to establish an implementation framework?

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Identify Pillars of Implementation Framework for your HEI

- Startup Policy and Implementation
- Awareness and Outreach
- Incubation Support
- Seed Funding Support; Angel and Venture Funding Support
- Easing Institutional policy for students, faculty and staff

How to establish an implementation framework?

Pillars of Implementation Framework

- ✓ Organize Outreach events to showcase innovative ideas from your institute
- ✓ Organize bootcamps to identify student innovators
- ✓ Bootcamps on social entrepreneurship
- ✓ Organize hackathons, tech fest to find technological solutions for the challenges
- ✓ Entrepreneurship training
- ✓ Support participation of students in national, international events related to startups, entrepreneurship

Awareness and Outreach

How to establish an implementation framework?

Pillars of Implementation Framework

- ✓ Dedicated web portal presence on Institutions' website and display of Innovation Toolkit
- ✓ Institution's startup policy document on website
- ✓ Facilities available
- ✓ Activities Planned- idea competitions, hackathons, workshops, etc.
- ✓ Listing Regional Ecosystem enablers such as incubators, accelerators
- ✓ Status of activities, participation- dynamic
- ✓ IP support centers, Startup Cell, EDC, IEDC, IIC
- ✓ Partnerships and MoUs, Alumni network

Startup Policy and Implementation

How to establish an implementation framework?

Pillars of Implementation Framework

- ✓ Setting-up of the incubation facility and bearing of capital, operations and maintenance expenses
- ✓ Explore PPP mode in partnership with state government, corporates
- ✓ Identify faculty, alumni for Mentorship support

Incubation Support

- ✓ Reach out to State Seed Funding Support
- ✓ Make Seed funding guidelines and resources available to students, faculty
- ✓ Generate Seed funding support through appropriate financial strategies
- ✓ Explore creating a seed fund with support of Alumni network

Seed Funding

How to establish an implementation framework?

Pillars of Implementation Framework

- ✓Easing policies related to students' such as Academic break, Credits, Internships, Relaxation in Attendance as mentioned in 3(b), NISP
- ✓Easing policies related to faculty such as leaves, performance evaluation, faculty duties as mentioned in 3(g), NISP

Easing Institutional policy for students, faculty and staff

How to evaluate the progress and impact of policy by setting up Key Performance Indicators (KPIs) ?

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Impact Indicators/ Parameters of Policy Implementation

1 a. IMPACT OF AWARENESS AND OUTREACH

- Program Conducted by Institute Related to IPR, Entrepreneurship / Start-ups & Innovation

1 b. IMPACT OF AWARENESS AND OUTREACH

- Participation / Representation of Students and (or) Faculties in Events / Programs related to IPR, Start-ups/ entrepreneurship & Innovation organized by repute external institution at national/ international level

2. IMPACT OF FINANCIAL STRATEGY

- Annual Budget Spent on Innovation & Start-up funding, Income & Expenditure towards Promoting and Supporting Innovation & Start-up in Campus

How to evaluate the progress and impact of policy by setting up Key Performance Indicators (KPIs) ?

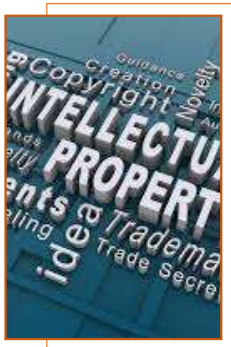
Impact Indicators of Policy Implementation

3. IMPACT OF INCUBATION SUPPORT

- Innovation, Pre-Incubation & Incubation Centre/Facilities exists in campus
- Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus

6. IMPACT OF INCUBATION SUPPORT

- Idea / Prototype / Innovation have received Grant / funding from Pre-Incubation / Incubation Centre / Facilities
- Start-ups have received Grant / funding from Pre-Incubation/ Incubation Centre/Facilities



4, 5. IMAPCT AT IP FRONT & COURSES

- Patent Granted and Published
- Technology Commercialization / Transfer
- Courses on Innovation, IPR and Entrepreneurship Development Offered by Institute

How to evaluate the progress and impact of policy by setting up Key Performance Indicators (KPIs) ?

Impact Indicators of Policy Implementation

- Number of Startups with CIN Number
- No of Faculty as Founder & Co-Founder with DIN
- No of Startups with Annual Turnover Rs 50 Lakhs or 10 employee
- No of Innovations in TRL 0-4; 5-7; 8-9

IMPACT OF INCUBATION SUPPORT

How to evaluate the progress and impact of policy by setting up Key Performance Indicators (KPIs) ?

Suggestive Indicators

Sr. no	Parameter
1	Parameter 1
1.1	No of Program Conducted
1.2	No of Program Participated
1.3	No of Awards
2	Parameter 3 Part 1 A
2.1	No of Centers Type of Facilities wise
2.2	Carpet Area in SqFt.
	if Pre–Incubation Centre and >= 600
	if Incubation Unit and >= 1500
	if Research Park/Innovation Park and >= 5000
	if Centre of Excellence with Advance Tools & Equipment and >= 1000
	if IPR Cell / Patent Facilitation Unit / Technology Transfer Centre
3	Parameter 6 Part 1 C
3.1	No of Innovations TRL 0-4
3.2	No of Innovations TRL 5-7
3.3	No of Innovations TRL 8-9
Sub Total	
4	Parameter 6 Part 1 D
4.1	No of Startups with CIN
4.2	No of Faculty as Founder & Co-Founder with DIN
4.3	No of Startups with Annual Turnover Rs 50 Lakhs or 10 employee

How to evaluate the progress and impact of policy by setting up Key Performance Indicators (KPIs) ?

Suggestive Indicators

5	Parameter 3 Part 2
5.1	Giving Incubation
5.2	Receiving Incubation
6	Parameter 6 Part 1 C
6.1	Parameter 6 Part 1 C: Total Angel/VC Fund Amount raised by Innovation
6.2	Parameter 6 Part 1 D: Total Angel/VC Fund Amount raised by Startups
7	Parameter 4
7.1	No of Full time Programs
7.2	No of Short time & Elective / Core Credit
7.3	No fo MDP, EDP, FDP Programs

How to evaluate the progress and impact of policy by setting up Key Performance Indicators (KPIs) ?

Suggestive Indicators

8	
8.1	Parameter 5.1
I	Patent Granted
ii	Patent Published
iii	Incubated Startup holds Patents
	Sub Total
8.2	IP and Technology Commercialization 5.2
i	No of IP Commercialized/Technology Transferred
9	Budget - Expense and Revenue (Parameter 2)
9.1	Total Expense towards innovation, IPR and Startup
i	Total Expense on Program Conducted and participated
	Program Conducted Amount
	Program Participated Amount
ii	Incubation Infra. (Capital Expenditure + Operational Expenditure)
iii	Total Seed Fund/Grant Disbursed to Innovations
iv	Total Seed Fund/Grant Disbursed to Startups
Sub total	
9.2	Total Revenue/Income from innovation, IPR and Startup and incubation
i	Total Income from Incubation (training and skill + mentoring + office space and rent)
ii	Total Revenue for Technology /IP Commercialization
	Sub Total

Action Items post-Training Session 2

Create dedicated Web Portal for display

- Create a dedicated web portal and prominent display on Institutions' website
- Institution's startup policy document on website, if created already/ NISP document
- Facilities available for startups and entrepreneurship
- Activities Planned- idea competitions, hackathons, workshops, etc.
- Listing Regional Ecosystem enablers such as incubators, accelerators
- Status of activities, participation- dynamic
- Explore IP support
- Partnerships and MoUs, Alumni network

Important Links

Recorded version of NISP Training Session 1 on MIC's social media:
https://www.facebook.com/mhrdInnovation/videos/1557696537724806
https://www.youtube.com/watch?v=gD4idxmCPfU

Recorded version of NISP Training Session 2 on MIC's YouTube channel
https://www.youtube.com/watch?v=ntGm7GdlUc8

Institutes can join the NISP Campaign launched by Ministry of Education's Innovation Cell
https://mic.gov.in/startup_application.php

Institutes can Implement NISP by Appointing a Sr. Faculty as In charge and send Nominations
https://mic.gov.in/nominate_faculty_for_nisp.php

For detailed explanation of NISP, watch video at
https://www.youtube.com/watch?v=8vdEyL7uKXs&t=7330s

Download the Copy of NISP & Share with Students, faculties, and Head of Institute for Adoption
https://mic.gov.in/assets/doc/startup_policy_2019.pdf

Thank you

Visit us at www.mic.gov.in, www.aicte-india.org

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