

Annexure –I: Action Plan:- Planned Programs, Activities, Budget Allocation, and Annual Targets

I&E Policy Objectives	Thrust Area	Planned Intervention: Program/Activities (Input)	Unit of Measurement (KPIs)	Current Status (Baseline Value)	Budget Allocation /Collaboration (Resource/Source)	Annual Targets (Process/Output)		
						Year 1	Year 2	Year 3
Objective 1: To establish institutional mechanisms, processes and guidelines to generate knowledge, intellectual properties and innovations from institute and commercialization of innovations through technology transfer, technology licensing and startups etc.	Motivation and awareness	My Story - Motivational Session by Successful Innovators	[1]	02	40000	02	02	02
		My Story - Motivational Session by Successful Entrepreneur/Startup founder		04		02	02	02
	IPR, Patenting	Workshop on Intellectual Property Rights (IPRs) and IP management for start up	[2]	02	20000	02	02	02
	Critical Thinking and Designing	Workshop on Design Thinking, Critical thinking and Innovation Design Field/Exposure Visit to Fab lab, Makers Space, Design Centres, City clusters etc	[1,4]	01	40000	01	01	01
						00*	02	02
			01		01	01	01	
Objective 2: To Develop a critical mass of motivated students & faculties with creative potential, and entrepreneurial Orientation & skill set.	Innovation	Orientation session for all students & faculties of Institute by Innovation Ambassador	[1,2]	01	20000	02	02	02
		Orientation session for all students & faculties of Institute by eminent innovators/startups		03		02	02	02
	Pre-incubation and Incubation	Session on Process of Innovation Development	[1,4]	01	10000	01	01	01

	National Innovation and Startup Policy	Orientation Session on National Innovation and Startup Policy	[9]	01	10000	01	01	01
	Startup	Session on “How to plan for Start-up and legal & Ethical Steps”	[1,5]	02	10000	02	02	02
Objective 3: To build and strengthen the in-house mentor pool and human resource capacity to drive campus I&E activities; identifying, handholding and guiding potential/early stage entrepreneurs, student innovators at the Institute on regular basis	R&D and Innovation	Pitching workshop & linkage of innovators with Innovation Ambassadors.	[6B]	00	50000	01	01	01
	Idea Pitching	Idea/ PoC pitching & validation and Institute level Idea competition.	[8A,9, 1.2]	01	700000	01	01	01
		Hackathon		02		01	01	01
		Toycathon		01		01	01	01
		Participation in national/international level innovation and entrepreneurship		05		05	05	05
	Make in India	Panel Discussion on Atmanirbhar Bharat-Vocal for Local, Make In India for the world.	[6B]	01	10000	01	01	01
	Prototyping	Workshop on Prototype/Process Design and Development - Prototyping	[4]	01	10000	01	01	01
Business Model	Session/ Workshop on Business Model Canvas (BMC)			01	150000	01	01	01
	Business Plan/Prototype Competition to Invite Innovative Business Models from Students	[1.1]		01		01	01	01

Objective 4: To build infrastructure support and facilities to promote innovation & startup and enabling environment of easy access to resources within and outside the institute	Pre-incubation and Incubation	Establishment of Innovation Lab for facilitating innovators for design thinking and prototype development	[3]	01	700000	01	01	01	
		Establishment of Startup space for startups to venture establishment		01			01	01	01
	R&D and Innovation	Encouraging research/studies related to I&E		[1,2]	02	20000	02	02	02
		Commencement of courses on I&E (IPR and Innovation, and Entrepreneurship Management)			02			02	02
	Adoption of NISP-19 and NEP-20	Regulation of IISP in line with NISP-20 and accepted by the BoG.	[9]	01	20000	01	01	01	
Objective 5: To strengthen the intra and inter-institutional partnership and collaboration with ecosystem at different level and co-creation of new program interventions	IPR	Collaboration with patent consultant for in-house IPR support	02 [7,8A]	01	150000	02	02	02	
	Innovation	Partnership with national level innovation institutes for joint ventures, student exchange, joint supervision, consultancy	02 [9]	01	20000	02	02	02	
	Incubation	Partnership/MoU with recognized incubators for faculty and student startups.	03 [5,6A]	01	50000	03	03	03	
	Entrepreneurship /Stratup	Collaboration with alumni network for mentorship, handholding		02 [4, 6A]	01	50000	02	02	02
Inclusion of Alumni in institute incubation facility			05	02			05	05	05

Annexure –2: Timeline and Progress Tracking Sheet

I&E Policy Objectives	Thrust Area	Planned Intervention: Program/Activities (Input)	Unit of Measurement (KPIs)	Current Status (Baseline Value)	Responsibility/ Unit/Dept / Person In charge	Timeline (Academic Year)					
						Year Q1	Year Q2	Year Q3	Year Q4	Year 2	Year 3
Objective 1: To establish institutional mechanisms, processes and guidelines to generate knowledge, intellectual properties and innovations from institute and commercialization of innovations through technology transfer, technology licensing and startups etc	Motivation and awareness	My Story - Motivational Session by Successful Innovators My Story - Motivational Session by Successful Entrepreneur/Startup founder	[1]	02 04	IIC						
	IPR, Patenting	Workshop on Intellectual Property Rights (IPRs) and IP management for start up	[2]	02	MBA						
	Critical Thinking and Designing	Workshop on Design Thinking, Critical thinking and Innovation Design Field/Exposure Visit to Fab lab, Makers Space, Design Centres, City clusters etc Session on Problem Solving and Ideation Workshop	[1,4]	01 00* 01	ECE EE, ME IIC						
	Objective 2: To Develop a critical mass of motivated students & faculties with creative potential, and entrepreneurial Orientation & skill set	Innovation	Orientation session for all students & faculties of Institute by Innovation Ambassador	[1,2]	01	IIC					
Orientation session for all students & faculties of Institute by eminent innovators/startups				03							
Pre-incubation and Incubation		Session on Process of Innovation Development	[1,4]	01	ME						

	National Innovation and Startup Policy	Orientation Session on National Innovation and Startup Policy	[9]	01	IIC						
	Startup	Session on “How to plan for Start-up and legal & Ethical Steps”	[1,5]	02	Mathematics, MBA						
Objective 3: To build and strengthen the in-house mentor pool and human resource capacity to drive campus I&E activities; identifying, handholding and guiding potential/early stage entrepreneurs, student innovators at the Institute on regular basis	R&D and Innovation	Pitching workshop & linkage of innovators with Innovation Ambassadors.	[6B]	00	IIC						
	Idea Pitching	Idea/ PoC pitching & validation and Institute level Idea competition.	[8A,9, 1.2]	01	IIC						
		Hackathon		02							
		Toycathon		01							
		Participation in national/international level innovation and entrepreneurship		05							
	Make in India	Panel Discussion on Atmanirbhar Bharat- Vocal for Local, Make In India for the world.	[6B]	01	CSE						
	Prototyping	Workshop on Prototype/Process Design and Development - Prototyping	[4]	01	ME						
	Business Model	Session/ Workshop on Business Model Canvas (BMC)	[1.1]	01	MBA						
Business Plan/Prototype Competition to Invite Innovative Business Models from Students			01								

Objective 4: To build infrastructure support and facilities to promote innovation & startup and enabling environment of easy access to resources within and outside the institute.	Pre-incubation and Incubation	Establishment of Innovation Lab for facilitating innovators for design thinking and prototype development	[3]	01	IIC						
		Establishment of Startup space for startups to venture establishment		01							
	R&D and Innovation	Encouraging research/studies related to I&E Commencement of courses on I&E (IPR and Innovation, and Entrepreneurship Management)	[1,2]	02	E&I, EE						
	Adoption of NISP-19 and NEP-20	Adoption of IISP in line with NISP-20 and accepted by the BoG.	[9]	01	IIC						
Objective 5: To strengthen the intra and inter-institutional partnership and collaboration with ecosystem at different level and co-creation of new program interventions.	IPR	Collaboration with patent consultant for in-house IPR support	[7,8A]	01	IPR Cell						
	Innovation	Partnership with national level innovation institutes for joint ventures, student exchange, joint supervision, consultancy.	[9]	01	IIC						
	Incubation	Partnership/MoU with recognized incubators for faculty and student startups.	[5,6A]	01	IIC						
	Entrepreneurship /Stratup	Collaboration with alumni network for mentorship, handholding Inclusion of Alumni in institute incubation facility	[4, 6A]	01 02	IIC						

Year-1: 2021-22 (CAY)

Annexure 3: Suggestive List of Key Performance Indicators (KPIs)

a. Process KPIs

Hierarchy of Objectives	Key Performance Indicators (KPIs)	Milestones/Targets	Time Line			
			Y1	Y2	Y3	Y4
Vision	• % Increase in Self-Employment Rate among graduate students over years	5%	2%	3%	4%	5%
	• No of Established Start-ups/Innovations	20	5	10	15	20
Goal/Impact	• No/% of Graduate students choose Entrepreneurship as career	5%	2%	3%	4%	5%
	• No/% of Student and Graduates Practicing Entrepreneurship & # Increment/year	7%	2%	3%	4%	7%
Outcomes	• Nos/% of student & faculty mass with entrepreneurship Orientation	50%	15%	25%	35%	50%
	• Nos/% of Student & faculty motivated to start any entrepreneurial activity	10%	4%	6%	8%	10%
	• No of IPR/Innovations developed for commercialization	50	15	25	35	50
	• No of Student/Early Stage Start-ups formed	20	5	5	5	5
	• No/% of In-house Expert Capacity available for Advisory Services	20%	5%	10%	15%	20%
	• Network Established with connecting multiple stakeholders & Ecosystem Enablers	5	1	2	3	5

Outputs	• No/% of Student & faculty mass exposed to awareness/orientation building programs	50%	15%	30%	40%	50%
	• No/% of Students covered through entrepreneurship Education; MOOC, Class Room, Experiential learning programs etc.	25%	10%	15%	20%	25%
	• No of beneficiaries are accessing the infrastructure & facilities per month	100	30	50	75	100
	• No of innovators identified; No of awarded, /recognised; No of Supported	100; 40; 15	25;10;3	50;20;6	75;30;10	100;40;15
	• No of Entrepreneurs identified; No of awarded, /recognised; No of Supported, & # Increment	10; 5; 4	2;0;0	4;1;1	7;3;2	10;5;4
	• No of Student projects turns to (commercialize) Innovations	100	25	50	75	100
	• No of IPR based product/services generated and registration filed	100	25	50	50	50
	• No of Research Studies on Entrepreneurship published	20	5	10	15	20
	• No of Regional, National and International linkages established for the start-up & innovation	4	1	2	3	4
	• No/% Representatives of experts & entrepreneurial students across Dept & Disciplines.	5%	2%	3%	4%	5%
	• No of Beneficiaries generated under various schemes and programs leveraged and converged at Start-up Cell	200	50	100	150	200
	• No of Beneficiaries generated under various schemes and programs leveraged and converged at Start-up Cell	200	50	100	150	200

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Activities (Input)	• No and types of Education/Skill certification program on Entrepreneurship, IIPR, Innovation etc.	16	4	8	12	16
	• No of workshops, awareness, market outreach events, orientation, advocacy meetings etc.	20	5	10	15	20
	• No of networking event (Intra and Inter- institutional, enablers, stakeholders) organized	4	1	2	3	4
	• No of skill and competency development training programs/FDPs/EDPs organized	8	2	4	6	8
	• No of research studies related to Entrepreneurship conducted	8	2	4	6	8
	• No of national and regional award and campus Hackathon like events organized	4	1	2	3	4
	• Incentivizing Entrepreneurship and Innovation; services and facilities; Start-up Manual, policies, tool kits etc.	4	1	2	3	4
	• Amount of total budget/year spend against total institution revenue for start-up	40L	10L	20L	30L	40L