27.07.2022

Vision/Goal of I&E Policy & Action Plan

1. The I&E policy set vision and set directional support to HEIs. It aims at adopting innovative and entrepreneurial strategies and approaches at all level of HEI to establish, streamline and strengthen the I&E ecosystem to generate quality innovations and entrepreneurs.
2. The action plan is a roadmap to achieve I&E policy goal by setting objectives and activities to be undertaken in the specified timeline with defined targets and milestones.
3. Both I&E policy and action plan adopts a monitoring and impact evaluation methodology which ensures all planned programs and activities progress as desired and accomplish the goal.

Objective of I&E policy along with the action plan

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.
2. To Develop a critical mass of motivated students & faculties with creative potential, and entrepreneurial orientation & skill set.
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.
4. To build infrastructure support and facilities to promote innovation & startup and enabling environment of easy access to resources within an outside the institute.
5. To strengthen the intra and inter-institutional partnership and collaboration with ecosystem at different level and co-creation of new program interventions.

Annexure 3: 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	75%	50%	55%	65%	75%
	No of Established Start- ps/Innovations	25	04	06	07	08
Goal/Impact	Enabling Environment Established with multiple level of support for innovation & Entrepreneurship in Institute					
	No/% of Graduate students choose Entrepreneurship as career & # Increment/year	65%	30%	40%	50%	65%
	No/% of Student and Graduates Practicing Entrepreneurship & # Increment/year	100	10	20	30	40
Outcomes	Nos/% of student & faculty mass with entrepreneurship Orientation, # Increment/year	75%	50%	55%	65%	75%
	Nos/% of Student & faculty motivated to start any entrepreneurial activity & #Increment	65%	30%	40%	50%	65%
	No of IPR/Innovations developed for commercialization & # Increment/year	25	3	5	7	10
	No of Student/Early-Stage Start-ups formed & # Increment/year	50	5	10	15	20
	No/% of In-house Expert Capacity available for Advisory Services & # Increment/year	75%	50%	55%	65%	75%
	% of Satisfaction over Advisory services offered to Innovators & Early Stage Entrepreneurs	75%	50%	55%	65%	75%
	Network Established with connecting multiple stakeholders & Ecosystem Enablers	75%	50%	55%	65%	75%
Outputs	No/% of Student & faculty mass exposed to awareness/orientation building programs	75%	50%	55%	65%	75%

Annexure 3: List of Key Performance Indicators (KPIs)						
a. Process KPIs						
Hierarchy of Objectives	**Key Performance Indicators (KPIs)**	**Milestones/ Targets**	**Time Line**			
			Y1	**Y2**	**Y3**	**Y4**
	No/% of Students covered through entrepreneurship Education; MOOC, Class Room, Experiential Learning programs etc. & # Increment/year	75%	50%	55%	65%	75%
	No of beneficiaries are accessing the infrastructure & facilities per day, month & # Increment	50	5	10	15	20
	No of innovators identified; No of awarded, /recognised; No of Supported, & # Increment	100	20	30	40	60
	No of Entrepreneurs identified; No of awarded, /recognised; No of Supported, & # Increment	100	20	30	40	60
	No of Student projects turns to (commercialize) Innovations	100	20	30	40	60
	No of IPR based product/services generated and registration filed	100	20	30	40	60
	No/% of in-house trained professional developed for advisory services & # Increment	75%	50%	55%	65%	75%
	No of Research Studies on Entrepreneurship published	50	5	10	15	20
	No of Regional, National and International linkages established for the start-up & innovation	50	5	10	15	20
	No/% Representatives of experts & Entrepreneurial students across Dept & Disciplines.	75%	50%	55%	65%	75%
	No of Beneficiaries Referred to Incubators/investors for further support through Start-up Cell	50	5	10	15	20
	No of Beneficiaries generated under various schemes and programs leveraged and converged at Start-up Cell	50	5	10	15	20
Activities (Input)	No and types of Education/Skill certification program on Entrepreneurship, IIPR, Innovation etc.	100	20	30	40	60

Annexure 3: List of Key Performance Indicators (KPIs)						
a. Process KPIs						
Hierarchy of Objectives	**Key Performance Indicators (KPIs)**	**Milestones/ Targets**	**Time Line**			
			Y1	**Y2**	**Y3**	**Y4**
	No of workshops, awareness, market outreach events, orientation, advocacy meetings etc.	100	20	30	40	60
	No of networking event (Intra and Interinstitutional, enablers, stakeholders) organized	100	20	30	40	60
	No of skill and competency development training programs/FDPs/EDPs organised	50	5	10	15	20
	No of research studies related to Entrepreneurship conducted	25	5	5	5	10
	No of convergence and leverage with schemes/programs offered by major enablers	25	5	5	5	10
	No of national and regional award and campus Hackathon like events organised	25	5	5	5	10
	Incentivising Entrepreneurship and Innovation; services and facilities; Start-up Manual, policies, tool kits etc.					
	Amount of total budget/year spend against total institution revenue for start-up	Rs. 10,00,000	Rs. 6,00,000	Rs. 7,00,000	Rs. 8,00,000	Rs. 10,00,000
	Budget allocation and Spend ratio for the startup mandate in institute	85%	65%	70%	75%	85%

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Annexure 3: List of Key Performance Indicators (KPIs)

b. Thrust Area based KPIs

I&E ecosystem in HEIs and Key performance indicators for different components of ecosystem

Sl. No	Parameters	Technical HEI
1	Developing an Innovative and Entrepreneurial Mind-set through Series of Activities	4.00
2	Teaching and Learning: Academic Programmes related to Innovation & Entrepreneurship (I & E) & IPR offered by the HEI	6.00
3	Dedicated Infrastructure & Facilities to Promote Innovation & Entrepreneurship at HEI	13.00
4	Generation of Innovations/ ideas with the support of HEI and recognition received	13.00
5	Ventures Established with the support of the HEI & Recognitions Received	12.00
6A	Angel &VC Fund/Investment Mobilized to Support Innovation & Startups Incubated at HEI	5.00
6B	Promotion of Collaboration for & Co-Creation of I & E initiatives	5.00
7	Intellectual Property (IP), Generation and Commercialization	19.00
8A	Annual Budget on Promoting and Supporting I&E Activities: Total expenses towards I &E and IPR support activities	8.00
8B	Total Revenue Generated by HEI from Incubation Services to Startups and Commercialization of IP and Innovations	6.00
9	Participation of HEI in I & E Initiative of MOE	9.00
	Total	**100**

Parameter and sub-parameter wise data points are as below

Sl. No	Parameters & Sub Parameters	Technical HEI
1	Developing an Innovative and Entrepreneurial Mind-set through Series of Activities (FY 2019-20)	
1.1	Number of co-curricular events related to Innovation and Entrepreneurship (I & E) conducted by the HEI	2.00
1.2	Number of co-curricular events related to I&E organized by external organizations where students/faculty members of HEI were sent to participate/represent	2.00
	Sub Total	4.00

Sl. No	Parameters & Sub Parameters	Technical HEI
2	Teaching and Learning: Academic Programmes related to Innovation & Entrepreneurship (I & E) & IPR offered by the HEI (AY 2019-20)	1.00
2.1	Number of full-fledged programmes/courses in Innovation / Entrepreneurship / Intellectual Property offered by the HEI (Diploma/ UG/ PG/ PhD)	1.00
2.2	Number of short-term Certificate courses or Elective group(s)/ Major or Minor Specializations/ Core Credit courses offered by the HEI in Innovation and Entrepreneurship (I & E) of minimum 30 contact hours of duration	1.00
2.3	Number of I & E related MDP, EDP, FDP, Employment Generation Skill Development Programs conducted by HEI (Approved by Regulatory bodies of HEIs or other State and Central government agencies) of minimum 30 contact hours of duration	1.00
2.4	Number of full-time faculty who have completed any specialized training programme of I & E (MDP, EDP, FDP, Certificate course of minimum 30 contact hours of duration) conducted by State and Central government agencies (for example AICTE, MIC, Ministry of MSME etc.), knowledge agencies etc.	1.00
2.5	Number of entrepreneurial skill development/employment generating training programmes conducted by the HEI for external participants (local residents, community members, alumni etc.)	1.00
2.6	Number of full-time faculty with a degree (UG/PG/PhD) in entrepreneurship/innovation/ IPR and(or) received training on I&E, and IPR	1.00
	Sub Total	6.00

Sl. No	Parameters & Sub Parameters	Technical HEI
3	Dedicated Infrastructure & Facilities to Promote Innovation & Entrepreneurship at HEI (FY 2019-20)	
3.1	Number of active Ideas/ Innovation centric Student Clubs in the HEI with access to co-working space/ work- stations for students with facilities & equipment available for I & E activities	2.00
3.2	Existence of dedicated infrastructures and facilities at HEI to support Innovation, Entrepreneurship and IPR	
3.2 a	Existence of Pre-incubation centers such as Tinker Lab/ EDC/ IEDC/ New Gen IEDC/ etc. with minimum space of >= 600 sq. ft. floor area	5.00
3.2 b	Existence of Incubation Unit with minimum space of >= 1500 sq. ft. floor area	
3.2 c	Existence of Research Park/Innovation Park with minimum Space of >= 5000 sq. ft. Floor area	
3.3	Existence of Centre of Excellence with Advance Tools & Equipment with minimum space of >= 1000 Sq. ft.	1.00
3.4	Existence of IPR Cell / Patent Facilitation Unit / Technology Transfer Centre at the institute	2.00
3.5	Number of dedicated staff to oversee I & E activities under the leadership of a senior professor/Head of the institute	1.00
3.6	Number of empaneled external experts/ agencies for mentorship regarding IPR, innovation development and enterprise development	1.00
3.7	Number of faculty members/ staff of the HEI deputed on committees of other HEIs to mentor and support the establishment of their I & E eco-system	1.00
	Sub Total	13.00

Sl. No	Parameters & Sub Parameters	Technical HEI
4	Generation of Innovations/ ideas with the support of HEI and recognition received (FY 2019-20)	
4.1	Number of Innovations TRL 0-3 and/or Number of non-technical Innovations (scouted and evaluated) registered with the departments of HEI/ pre-incubation/Incubation center	1.00
4.2	Number of Innovations TRL 4-6	2.00
4.3	Number of Innovations TRL 7-9	3.00
4.4	Number of ideas or innovative projects implemented in the community/Social Innovations	2.00
4.5	Number of ideas or innovative projects/TRLs/Social Innovations implemented with financial support from HEIs	3.00
4.6	Number of awards won by the student and faculty innovations at State/National/International Level in I & E related events	2.00
	Sub Total	13.00

Sl. No	Parameters & Sub Parameters	Technical HEI
5	Ventures Established with the support of the HEI & Recognitions Received (FY2019-20)	
5.1	Number of Startups with CIN / Entrepreneurial Ventures with at least GST number started by students/ faculties/ Staff/ Alumni and facilitated by HEI/EDC/ Pre-incubation/ Incubation/ Research Park etc.	4.00
5.2	Number of Startups with CIN /Entrepreneurial Ventures with GST number started by the external beneficiaries (i.e. excluding Student, Faculty & Staff) who had received Employment Generating Skill Training Program conducted by the HEI/EDC/Pre-incubation/ Incubation	3.00
5.3	Number of Faculty as Founder or Co-Founder with DIN	2.00
5.4	Number of Startups with Annual Turnover of Rs. 50 Lakhs or 10 employees	3.00
	Sub Total	12.00

Sl. No	Parameters & Sub Parameters	Technical HEI
6 A	Angel &VC Fund/Investment Mobilized to Support Innovation & Startups Incubated at HEI (FY2019-20)	
6 A.1	Total amount raised by innovators pre-Incubated/incubated at HEI from Angel/VC Fund/High Net worth Individual (HNI)	2.00
6 A.2	Total amount raised by Startups incubated at HEI from Angel /VC Fund /High Net worth Individual (HNI)	2.00
6 A.3	Total amount of Credit/Loans from Financial Institutions that was facilitated by HEI for innovators/startups	1.00
	Sub Total	5.00
6 B	Promotion of Collaboration for & Co-Creation of I & E initiatives (AY2019-20)	
6 B.1	Number of Collaborations with incubation units outside the HEI either to provide OR receive Incubation Support	2.00
6 B.2	Number of Collaborations with other HEIs as mentor/ mentee Institute to promote I&E in the Campus	2.00
6 B.3	Number of Collaborations with start-ups /Industry Associations /Knowledge Agencies to promote I & E activities and/or internship opportunities	1.00
	Sub Total	5.00

Sl. No	Parameters & Sub Parameters	Technical HEI
7	Intellectual Property (IP), Generation and Commercialization	
7.1	Number of research papers published (Student/Faculty) with Keywords -Innovation, and Entrepreneurship in Scopus journals during the AY 2019-20	2.00
7.2	Number of Copyrights/Designs- Applied during the FY 2019-20	1.00
7.3	Number of Copyrights/Designs Granted during the FY 2019-20	2.00
7.4	Number of Patents Filed & Published during the FY 2019-20	2.00
7.5	Number of Patents Granted (last 3 FYs: 2017-18, 2018-19, 2019-20)	5.00
7.6	Number of Patents held by Pre-Incubated Innovations/Incubated Startups (last 3 FYs: 2017-18, 2018-19, 2019-20))	3.00
7.7	Number of IPs Commercialized/ Technology Transferred during the FY 2019-20	4.00
	Sub Total	19.00

Sl. No	Parameters & Sub Parameters	Technical HEI
8	Budget - Annual Expenditure Spent towards I&E Activities and Revenue from I&E	
8A	Annual Budget on Promoting and Supporting I&E Activities: Total expenses towards innovation, IPR and entrepreneurship activities	
8 A.1	Amount spent on events conducted (Financial Fields of line items entered in 1.1)	1.00
8 A.2	Amount spent on student/faculty participation in I&E events conducted by external organizations (Financial Fields of line items entered in 1.2)	1.00
8 A.3	Expenses incurred in the establishment, maintenance and operation of Pre-Incubation and/or Incubation infrastructure (capital expenditure + operational expenditure) (Financial Fields of line items entered in 3.1, 3.2 and 3.3)	2.00
8 A.4	Total seed fund/grant disbursed by HEI from its own funds to innovation/ entrepreneurial ventures (Financial Fields of line items entered in 4 & 5)	2.00
8 A.5	Total Seed Fund/Grant received from external sources disbursed to Startups (Financial Fields of line items entered in 4 & 5)	2.00
	Sub Total	8.00
8B	Annual Budget on Promoting and Supporting I&E Activities: Total Revenue Generated by HEI from Incubation Services to Startups and Commercialization of IP and Innovations	
8 B.1	Total grant/funds received from authentic sources such as Govt, Non Govt, CSR bodies etc. towards promoting and supporting innovation, IPR , Startups and pre-incubation/incubation activities in the campus	2.00
8 B.2	Total revenue from Incubation Services offered by HEI to Startups/innovators (training and skill + mentoring + office space and rent). It excludes fees earned for offering general consulting services offered and training conducted by HEIs	1.00
8 B.3	Total revenue generated from commercialization/Licensing of IPs owned by HEIs (It exclude IP commercialization made by incubated Startups/ Innovators).	3.00
	Sub Total	6.00

Sl. No	Parameters & Sub Parameters	Technical HEI
9	Participation of HEI in I & E Initiative of MOE	
9.1	Adopted National Innovation and Start-up Policy at the HEI	2.00
9.2	Establishment of Institution's Innovation Council (IIC) at HEI	2.00
9.3	Trained Innovation Ambassadors at HEI	2.00
9.4	Participation in Smart India Hackathon (SIH)	1.00
9.5	Facilitated Registration of Start-ups/ Technologies developed from HEIs in YUKTI 2.0 (Young India combating COVID with Knowledge, Technology and Innovation) portal of MIC	1.00
9.6	Participation of Students from the HEI in National Education Alliance of Technology (NEAT) courses	1.00
	Sub Total	**9.00**

Our institution following the guidelines and KPIs as per ARIIA ranking along with MoE.

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