

MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)



**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of HED Initiative)

JSS Academy of Technical Education Innovation and Entrepreneurship Policy 2020 for Students and Faculty

Vision

To facilitate young entrepreneurs with novel ideas relevance to social problem which strengthens the education and social growth

Mission

To implement an ecosystem with necessary infrastructure that enables faculty and students.

To develop prototypes that has industrial standards

Objective:

- To create an innovative and entrepreneurship development ecosystem.
- To support innovative ideas and start-ups through financial assistance from the institution.
- To promote Technology Business incubation centre to create facilities to encourage business start-ups outside the Institution.
- To enhance Research and Development activities by utilizing TBI center, to help students make innovative products and help them to patent their products.

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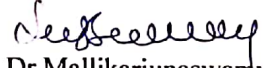
The expert committee meeting was held on 26/02/2021 to finalize the short term and long-term plans of KPIs and milestones:

Short term plan:

- The entrepreneurial activities will be conducted once in two to three months to make the students aware of innovation and start-up opportunities.
- The in-house startup will be encouraged to coordinate and encourage the mentors and customers to actively participate and to reach the Planned goals.
- Establishing Collaboration with different entrepreneurship groups to have exposure to market and to develop many products.
- Encourage products based on public and social concerns to benefit the society.

Long term plan:

- Promotion of efficient skills in entrepreneurship like productive entrepreneurship, innovation and economic growth.
- To encourage startups and to contribute to economic development and global innovation index.
- Create an encouraging environment to nurture the potential startup.


Dr Mallikarjunaswamy S
Co-Ordinator, NISP, JSSATEB


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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 create an innovative and entrepreneurship development ecosystem	Start Up	A Webinar on Startups in Private and Public Sector	%	40%	Rs. 2,00,000/-	55%	65%	75%
	Innovation	Innovative ideas to build projects		40%		55%	65%	75%
	Start Up	How to Plan for Startups - legal and ethical steps		40%		55%	65%	75%
	Start Up	Internship at startup		40%		55%	65%	75%
Objective 2: To support innovative ideas and start-ups through financial assistance from the institution.	Entrepreneurship	Motivational session by successful Entrepreneur/ startup founder	%	45%	Rs.2,15,000	60%	75%	85%
	Critical And Design Thinking	Workshop on Design Thinking, critical Thinking and innovative design		45%		60%	75%	85%
	Entrepreneurship	Workshop on Entrepreneurship Development Phases		45%		60%	75%	85%
	Entrepreneurship	Entrepreneur's Life & Crossroad - Motivational		45%		60%	75%	85%

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Objective 3: To promote Technology Business incubation centre to create facilities to encourage business start-ups outside the Institution.	Speak - To be Share by Entrepreneurs								
	Innovation	An innovation process is a set of steps between an idea's conception and its implementation.		48%			55%	70%	80%
	Design Thinking	Design thinking is a non-linear, iterative process that teams use to understand users, challenge assumptions, redefine problems and create innovative solutions to prototype and test.	%	48%	Rs.2,25,000/-		55%	70%	80%
	Entrepreneurship Leadership	Entrepreneurial leadership is the process through which a business leader is able to influence employees to achieve the objectives of the organization.		48%			55%	70%	80%


Shubkey

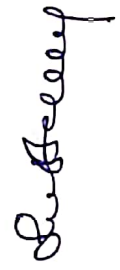
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Objective 4: To enhance Research and Development activities by utilizing TBI center, to help students make innovative products and help them to patent their products.	Idea Hackathon	For evaluation, each HI will identify and create a pool of experts from different domains/ areas of expertise, e.g., entrepreneur, technical expert, financial expert, sector expert, etc.	48%	55%	70%	80%
		Field/Exposure Visit to Incubation Unit/Patent Facilitation Centre/Technology Transfer Centre/ Coworking spaces				
		Session/ Workshop on Business Model Canvas (BMC)				
		Workshop on Intellectual Property Rights (IPRs) and IP management for start up				
Incubation Facilities	Preincubation	IP Ecosystem	IPR/Innovation	Session on identifying Intellectual Property		
						Rs.2,25,000/-


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	component at the early stage of Innovation							
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Annexure -2: Timeline and Progress Tracking Sheet

I&E Policy Objectives	Thrust Area	Planned Intervention: Program/Activities (Input)	Responsibility Unit/Dept./ Person In charge	Annual Targets (Process/Output)			
				Year 1	Year 2	Year 3	Year 4
Objective 1: To create an innovative and entrepreneurship development ecosystem	Start Up	A Webinar on Start-ups in Private and Public Sector	Dr. Nithyananda Choudhary, Professor and Head Dept. of Physics, JSS Academy of Technical Education, Bengaluru				
	Innovation	Innovative ideas to build projects	Dr. Aravind H S, Professor, Electronics and Communication Engineering				
	Start Up	How to Plan for Start-ups - legal and ethical steps	Dr. Rekha P.M, Associate Professor and Head Dept. of ISE, JSS Academy of Technical Education, Bengaluru				
	Start Up	Internship at start up	Dr. D. Mahesh Kumar, Professor and Head Dept. of ISE, JSS Academy of Technical Education, Bengaluru				
Objective 2: To support innovative ideas and start-ups through financial	Entrepreneurship	Motivational session by successful Entrepreneur/ startup founder	Dr. D. Jayadevappa, Professor and Head Dept. of EIE, JSS Academy of Technical Education, Bengaluru				
	Critical And Design Thinking	Workshop on Design Thinking, critical	Dr. Mallikarjunaswamy S, Associate Professor, Dept of ECE,				

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assistance from the institution.	Thinking and innovative design	JSS Academy of Technical Education, Bengaluru	JSS Academy of Technical Education, Bengaluru			
	Entrepreneurship	Workshop on Entrepreneurship Development Phases	Dr B V Raghavendra, Associate Professor & Head, Dept of ME, JSS Academy of Technical Education, Bengaluru			
	Entrepreneurship	Entrepreneur's Life & Crossroad – Motivational Speak - To be Share by Entrepreneurs	Dr. Anand Kumar R. Annigeri, Professor and Head Dept. of ME, JSS Academy of Technical Education, Bengaluru			
	Innovation	An innovation process is a set of steps between an idea's conception and its implementation.	Dr. Nithyananda Chouhdary, Professor and Head Dept. of Physics, JSS Academy of Technical Education, Bengaluru			
	Design Thinking	Design thinking is a non-linear, iterative process that teams use to understand users, challenge assumptions, redefine problems and create innovative solutions to prototype and test.	Dr. Aravind H S, Professor, Electronics and Communication Engineering			
	Entrepreneurship Leadership	Entrepreneurial leadership is the process through which a business leader is able to influence employees to achieve the objectives of the organization.	Dr. Rekha P.M, Associate Professor and Head Dept. of ISE, JSS Academy of Technical Education, Bengaluru			
	Idea Hackathon	For evaluation, each HI will identify and create a pool of experts from	Dr. D. Mahesh Kumar,			

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<p>Objective 4: To enhance Research and Development activities by utilizing TBI center, to help students make innovative products and help them to patent their products.</p>	<p>Incubation Facilities</p> <p>Preincubation</p> <p>IP Ecosystem</p> <p>IPR/Innovation</p>	<p>different domains/ areas of expertise, e.g., entrepreneur, technical expert, financial expert, sector expert, etc.</p> <p>Field/Exposure Visit to Incubation Unit/Patent Facilitation Centre/Technology Transfer Centre/ Coworking spaces</p> <p>Session/ Workshop on Business Model Canvas (BMC)</p> <p>Workshop on Intellectual Property Rights (IPRs) and IP management for start up</p> <p>Session on identifying Intellectual Property component at the early stage of Innovation</p>	<p>Professor and Head Dept. of ISE, JSS Academy of Technical Education, Bengaluru</p> <p>Dr. D. Jayadevappa, Professor and Head Dept. of EIE, JSS Academy of Technical Education, Bengaluru</p> <p>Dr. Mallikarjunaswamy S., Associate Professor, Dept of ECE, JSS Academy of Technical Education, Bengaluru</p> <p>Dr B V Raghavendra, Associate Professor & Head, Dept of ME, JSS Academy of Technical Education, Bengaluru</p> <p>Dr. Anand Kumar R. Annigeri, Professor and Head Dept. of ME, JSS Academy of Technical Education, Bengaluru</p>	<p></p> <p></p> <p></p> <p></p> <p></p>
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Annexure 3: List of Key Performance Indicators (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	80%	50%	55%	70%	80%
	No of Established Start-ups/Innovations	26	05	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	70%	30%	40%	50%	70%
	No/% of Student and Graduates Practicing Entrepreneurship & # Increment/year	100	10	20	30	40
	Nos/% of student & faculty mass with entrepreneurship Orientation, # Increment/year	80%	50%	55%	65%	80%
	Nos/% of Student & faculty motivated to start any entrepreneurial activity & #Increment	70%	30%	40%	50%	70%
Outcomes	No of IPR/Innovations developed for commercialization & # Increment/year	30	5	10	5	10
	No of Student/Early-Stage Start-ups formed & # Increment/year	60	10	15	10	15
	No/% of In-house Expert Capacity available for Advisory Services & # Increment/year	80%	55%	60%	70%	80%
	No/% of Satisfaction over Advisory services offered to Innovators & Early-Stage Entrepreneurs	80%	55%	60%	70%	80%

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	Network Established with connecting multiple stakeholders & Ecosystem Enablers	80%	55%	60%	70%	80%
Outputs	No/% of Student & faculty mass exposed to awareness/orientation building programs	80%	55%	60%	70%	80%
	No/% of Students covered through entrepreneurship Education; MOOC, Class Room, Experiential Learning programs etc. & # Increment/year	80%	55%	60%	70%	80%
	No of beneficiaries are accessing the infrastructure & facilities per day, month & # Increment	60	5	15	20	20
	No of innovators identified; No of awarded, /recognised; No of Supported, & # Increment	100	20	30	45	65
	No of Entrepreneurs identified; No of awarded, /recognised; No of Supported, & # Increment	100	20	30	45	65
	No of Student projects turns to (commercialize) Innovations	100	20	30	45	65
	No of IPR based product/services generated and registration filed	100	20	30	45	65
	No/% of in-house trained professional developed for advisory services & # Increment	80%	55%	60%	70%	80%
	No of Research Studies on Entrepreneurship published	60	5	10	15	20
	No of Regional, National and International linkages established for the start-up & innovation	60	5	10	15	20

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	No/% Representatives of experts & Entrepreneurial students across Dept & Disciplines.	80%		55%	60%	70%	80%
	No of Beneficiaries Referred to Incubators/investors for further support through Start-up Cell	60		5	10	15	20
	No of Beneficiaries generated under various schemes and programs leveraged and converged at Start-up Cell	60		5	10	15	20
	No and types of Education/Skill certification program on Entrepreneurship, IIPR, Innovation etc.	100		20	30	45	65
	No of workshops, awareness, market outreach events, orientation, advocacy meetings etc.	100		20	30	45	65
	No of networking event (Intra and Interinstitutional, enablers, stakeholders) organized	100		20	30	45	65
Activities (Input)	No of skill and competency development training programs/FDPs/EDPs organised	60		5	10	15	20
	No of research studies related to Entrepreneurship conducted	30		6	6	8	10
	No of convergence and leverage with schemes/programs offered by major enablers	30		6	6	8	10
	No of national and regional award and campus Hackathon like events organised	30		6	6	8	10
	Incentivising Entrepreneurship and Innovation; services and facilities; Start-up Manual, policies, tool kits etc.						

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	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 start-up mandate in institute	85%	65%	70%	75%	85%

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