REPORT

On

STUDENT STARTUP AND INNOVATION POLICY

SSIP

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SSIP : STUDENT STARTUP AND INNOVATION POLICY

http://www.ssipgujarat.in

1. Introduction

Startup: Startup is an entity that develops a business model based on either product innovation or service innovation and makes it scalable and replicable so as to be self-reliant. Startup may also be an entity that satisfies the requirements of the Department of Industrial Policy and Promotion (DIPP).

Innovation: Conceptually, any innovation implies substantial improvement in the ways of doing things, producing goods or providing services. It may involve a new use of an existing resource or producing or delivering existing goods or services through new methods or new instruments/materials.

Student Startup: Student Startup is any student-led innovation based startup that has been founded by the efforts of one or more student(s) and/or alumni (not more than 5 years from graduation), from any university /educational institute in the state, with or without the help of faculty guides and external support agents.

In Gujarat, a large number of thesis and innovative ideas emerge every year. How the Student Startup and Innovation Policy (SSIP) transforms ideas into new product and services to becoming entrepreneurs, Imagination is the first step towards the innovation .Innovation & Development provides the platform to the students to nurture their soft skills and technical talents

to lead their imaginations. SSIP also provides the facilities for promoting their innovative ideas as well as technical solutions for the local & global challenges of society.

Government of Gujarat has developed a policy for providing assistance to Startups/ Innovation. Under this scheme, any individual/ group of individuals having innovative idea/ Concept will be eligible and/ or Universities/ education institutions, Incubation Centre/ PSUs/ R&D Institutions/ Private and other establishments will be eligible as an institution to support and mentor to innovators as approved by Committee. Startup in an economy's technology sectors is an important indicator of technological performance for several reasons.

The Student Startup & Innovation Policy hence aims at ensuring that the students across all educational institutes of Gujarat get a conducive environment to solve problems and create ideas and opportunities. This policy addresses the need of creating a strong pipeline of innovations out of research and allied efforts across institutes, helping students convert ideas into opportunities, that later can be supported as startups through various existing institutional mechanisms.

2. Key Objectives of SSIP

1. The Student Startup & Innovation Policy of Government of Gujarat aims to create an integrated, state-wide, university-based innovation ecosystem to support innovations and ideas of young students and provide a conducive environment for optimum harnessing of their creative pursuit.
2. Developing student centric Innovation and Pre-incubation Ecosystem for Students (IPIES).
3. Creating environment for creativity to flourish and an end-to-end support system in educational institutions to allow ample support to ideas for better execution.
4. Build internal capacity of educational institutions and key components of the innovation ecosystem to enable deployed processes to make sustainable impact at scale.
5. Create pathways for mind to market by harnessing and handholding projects/ research/ innovation/ ideas of students in Gujarat.
6. Creating and facilitating sectoral and regional innovation efforts in state around educational institutions.
7. Create a common platform to showcase, support and upscale innovations for motivating stakeholders as well as for an opportunity to create value for money and value for many.
8. Leverage public system initiatives at state and central level, academia, industries and by other ecosystem stakeholders / domain experts and institutions to make an inclusive effort.

3. Key Goal of SSIP

1. Empower all universities to set-up and execute the broad agenda of innovation and pre-incubation.

2. Aim to create an environment that converts at least 1% graduates into job creators by innovation and allied means.

3. Support at least 1,000 student-led innovations per year and aim to file 1000 patents from universities in the state every year.

4. Harness 500 student startups in the next 5 years, and upscale.

5. Empower universities and educational institutes to build a robust Innovation and Pre-incubation support systems within.

6. Create incentives, awards, appreciations and benchmarks for innovation and student startups and associated efforts at all layers.

7. Build capacity for at least 200 educational institutes in the state in the next five years, to have a robust pre-incubation support for student / alumni startups and Innovations.

8. Undertake strategic interventions to empower all universities in the state to develop full-fledged pre-incubation ecosystem in the next 5 years.

9. Ensure that the innovation processes link academia, society and SMEs through systematic ways so that students and faculty solve their challenges and create further entrepreneurial opportunities.

4. About SSIP Policy

1. Government of Gujarat has developed a policy for providing assistance to Startups/ Innovation. Under this scheme, any individual/ group of individuals having innovative idea/ Concept will be eligible and/ or Universities/ education institutions, Incubation Centre/ PSUs/ R&D Institutions/ Private and other establishments will be eligible as an institution to support and mentor to innovators as approved by Committee. Startups in an economy's technology sectors is an important indicator of technological performance for several reasons.

2. For more detail please visit :   http://ssipgujarat.in

3. For more detail of various events please visit : SSIP Gujarat

Some examples of seminars:

4. Seminar : Role of Startups and Incubators towards Atmanirbhar Bharat (14 June, 2020)

5. Seminar : Design Thinking for Entrepreneurs (13 June, 2020)

6. Seminar : Gujarat to Global (13 June, 2020)

7. Seminar : Business Model Canvas (12 June, 2020)
8. Seminar : Government's start-to-scale programs for innovators and entrepreneurs (11 June, 2020)
9. Seminar : Disruptive Innovations For startups (10 June, 2020)
10. Seminar : Limited Resources, Unlimited Ambition (9 June, 2020)

Role of Stakeholders

1. Government: Mandate, support, facilitate, integrate and scale

2. Academic stakeholders: Deploy agenda within, quality assurance, create end-to-end support systems, and codification

3. Non-academic, industry and other ecosystem stakeholders: Mentoring, market access, and domain knowledge

5. Benefit to Student Innovators & Start-ups

Exposure: SSIP is going to provide detailed exposure to all students, early stage innovators and allied stakeholders through regular programs, workshops, conferences and seminars. Each SSIP grantee university, institute has been given specific mandate and resources to facilitate large scale exposure programs keeping early stage student innovators in mind.

Capacity building: SSIP is allocating dedicated resources for capacity building of innovators and student start-ups involving domain experts of national and international repute.

Support for Prototyping: SSIP has created mechanism through which students, innovators, start-ups can be given up to 2 lac INR for developing prototype. Through State SSIP grant committee deserving teams can even fetch grant more than 2 lac per project as per the need. SSIP is one of the very few scheme through which innovators are being supported through seed level grant at nascent stage.

Support for IPR: Through SSIP, innovators can avail average 25 lac INR grant for domestic IPR filing. SSIP also mandate to support student innovators for IPR protection beyond India and give incentives for them.

Pre Incubation Support: SSIP has short listed various colleges and universities and given grant to create a robust pre incubation process and infrastructure in their respective campuses. Innovators from respective

campuses and around the region can fetch benefits through these nodal centers of SSSIP. Innovators can approach to any of the SSIP grantee through web portal and approach to avail SSIP benefits.

Co working and Pre incubation Support at I Hub: SSIP is setting up a state level innovation hub which will be linked with all university level innovation & start-up centers. In this center early stage student innovators and start-ups can benefit of coworking space, mentoring, access to various programs and allied benefits. SSIP is going to host different sectoral incubators in this hub so that innovators and start-ups across domain and stage of their innovation, enterprise can benefit from this.

Regional Innovation & Start-up Centers: SSIP will extend facilities to innovators and students of even remote places through its 4 regional centers at Ahmedabad, Surat, and Vadodara & Rajkot. Institutes & their students in the nearby region can benefit hugely benefit out of these centers. Makers lab and similar prototyping facilities will be built in these centers to let innovators access to world class facilities.

6. Key Facets of the Student Innovation Policy

The following are the key facets of the Gujarat Student Innovation policy:

A. The policy aims to intervene and support at i) Idea level, ii) Innovation level and iii) Pre-incubation level to achieve the broad goals of the policy.

B. The policy is to be implemented in three key layers viz. i) state government, ii) universities, and iii) educational institutes.

C. The resources to implement and deploy the policy are to be mobilized from the State Education Budget, internal resources of universities, central and state support systems and private-sector resources including CSR funds.

D. Common facility and resources such as geographical resources, hard and soft infrastructural resources, process and pedagogy linked resources and sectoral systems shall be created to bring inclusion in the process.

E. Successful implementation of the goals shall be evaluated by considering the implications of metrics such as output-driven indicators, stress on sustainable process design, competitive inspiration based co-creation and incremental & turnkey measures in suitable proportion.

F. The broad goals of the policy shall be achieved through interventions at pedagogy, co-curricular level and community I ecosystem driven interventions. The policy creates incentive structures at several levels viz. idea level, educational institute level, university level to drive policy and deployment and cluster level to involve non-academic elements.

i. Idea level: Awards, proof of concept, prototyping and IPR support, mentoring support, pre-incubation, academic credits and similar benefits

ii. Educational institute level: Finance, institutional building support and capacity building support

iii. University level: Support to create innovation and pre-incubation ecosystem, sup port to finance innovations and IPR, access to external research and entrepreneurship infrastructure, industry and external expertise linkages

iv. Cluster level: Appreciations, recognition, exposure, and access to academic resources

G. The policy leverages complementary and supplementary efforts from various existing policies, schemes and other initiatives of state and central government, universities, and ecosystem stakeholders.

H. A state-level technology platform to be built to:

i. Integrate and streamline discrete efforts

ii. Develop an application portal for registering student ideas and innovations as well as facilitating innovators

iii. Measure processes and key performance indicators (KPI) in real time to take policy decisions

iv. Single-point access and lateral learning opportunities for co-creation

v. Information and access equality/ inclusiveness

vi. Fast-track deployment based on need at grassroots level

vii. Avoid duplication of initiatives

7. Policy formation at Institute: -

Institute has developed policy for the operation and functioning of Student Start-up & Innovation Policy (SSIP).

1. Head of the institute will firm a SSIP committee at institute level as per SSIP state policy.
2. SSIP committee shall include Chairman (Principal), Industry Expert, Industry Expert/Alumni Industry Expert, Finance Expert, Academic Expert, Academic Expert, Startup ecosystem expert, Institute SSIP Coordinator.
3. SSIP committee shall constitute other sub-committee of SSIP like;
   i)   Administrative committee
   ii)   Project Fair execution committee- Scrutiny/Evaluation for final evaluation and grant disbarment committee.
   iii) Account, Cogent portal, Website, Seminar/Webinar, Project fair planning related committee.
   iv)   Finance/Grant disbarment/purchase/Account committee.
   v)   HOD level committee
   vi)   Departmental faculty coordinator committee
4. SSIP committee shall plan, execute, monitor and keep record of SSIP activity.
5. SSIP committee shall keep up to date record of financial expenditure and grant disbursement for granite students.
6. SSIP committee shall arrange meeting along with committee member twice in a month.
7. SSIP committee encourages students by sensitization program at institute level and department level through departmental faculty coordinators .
8. SSIP committee in coordination with department organize one expert lecture.
9. SSIP committee shall organize project fair as and when require.
10. SSIP committee shall short list innovative projects in every year from final and pre-final year students.
11. SSIP committee insist all department to provide use of existing labs and workshop.
12. SSIP committee shall take initiative to establish SSIP cell at institute.

Procedure at Institute: -

1. SSIP committee shall publish event notice on institute notice board as well as on institute website.
2. SSIP committee shall prepare activity chart of the year and organize various events .
3. SSIP committee shall provide link for students for information and registration and management of the event.
4. SSIP committee shall short list projects after project fair.
5. SSIP committee shall provide mentor for short listed projects.
6. Then this shortlisted projects also demonstrated with HOD level committee.

7. Institute level Scrutiny committee allow final approval to the final short-listed projects/ideas for the grant disbursement.
8. SSIP committee then disburse grant as and when grantee students produce bills/vouchers vated by mentor of project on submission by students.
9. SSIP committee shall present and report to the SSIP Cell Gujarat as and when require.
10. SSIP committee shall maintain SSIP portal up-to- date record (Online).

Principal   SSIP Coordinator

Institute seal

Activities under SSIP

- Webinars/Seminars/Expert talks
- Project fair scrutiny for Innovation Conducive Environment

Trainings

- NISE: "Nurturing Innovation and Startup Ecosystem, Education Dept., Government of Gujarat by all faculties of institute.
- IPR Training by all faculty of institute.
- Students encouraged to attend MOOC training on SWAYAM portal

Achievements of SSIP Cell of Government Polytechnic Ahmedabad

- Total Rs.5 lacs grant approved by SSIP Gujarat Cell for the year of 2019-20.
- Total Rs.1.25 lacs grant disbursed by SSIP Gujarat Cell for the year of 2019-20.
- Total 2276 students are outreached by connecting seminars and workshops till Jan-2021.
- Total 38 applications are received for the PoC support and 4 projects/ideas were approved for grant support by Institute level Scruitm Year 2020
- Total 24 Webinars/ seminars are conducted by SSIP Cell since 2019.
- 14 Projects scrutinised for the **second-final round** of Grant approval during Sep-2021.

Financial Outcome of Quarter-II (2020-21)

Sr. No.	Particulars	Year 2020-21	Year 2019-20	Year 2018-19
1.	Available grant	Rs. 125000/-	Rs. 125000/-	
2.	Capacity Building Utilization	Rs. 20000/-	-	-
3.	Administrative Expenses	Rs. 4160/-	-	-
4.	Grant approved for PoC	Rs. 15500/-	-	-
5.	Interest Earned	Rs.1219/-	-	
6.	Total Expenditure (2+3)	Rs. 24160/-		
7.	Balance remaining (1-6+5)	Rs. 102059/-	Rs. 125000/-	

Milestones Statics Till 2020-21

Sr. NO.	Milestone	MOU Target	Target achieved
1.	Students Outreached	2200	2276
2.	Innovative Students Project	20	38
3.	PoC	10	4
4.	Patents	1	0
5.	Student Start-ups	20	4
	Incubation Space & Facilities		
	Seed Funding		
	Prototyping Grant		
	Mentoring		
6.	Workshops/Conferences/Seminars	10	24

SSIP events @ Institute:

Sr. No.	Event	Month & Year	Remarks
1.	Awareness seminar	Dec-2019	800 Students
2.	Webinar during Covid-19 (06 Webinars)	March to June 2020	300 + beneficiary
3.	Project fair -I	March 2019	38 Groups
4.	Project fair -II	March-2020	18 Groups
5.	Project fair -III	Oct-2020	7 Groups
6.	Faculty training under SSIP grant	Nov -2020	10 faculties had been deployed for NISE Training.
7.	Project/Idea selection	Oct-2020	**04 Groups** selected by institute level SSIP committee.
8.	Awareness seminar I (9 seminar)	5th Dec 2020	**446** students
9.	Awareness seminar II (9 seminar)	16th Jan 2021	**730** students
10.	Project fair scrutiny Round I	6th Feb-2021	**14 groups** presented innovative ideas
11.	Project fair scrutiny Round II	Sep- 2021	-further scrutiny-

- Seminar: about SSIP policy in detail
- Webinar: Technical webinar for all program.
- NISE: "Nurturing Innovation and Startup Ecosystem , Education Dept., Government of Gujarat.
- IPR Training by all faculty of institute.
- Registration on single platform: COGENT

Vinod Makwana
SSIP Institute Coordinator

Project Fair Scrutiny round 2020

Dr. Ghandhy College Surat/Best Practice Presentation / Aug 2020

Webinar series May_July_2020

SSIP

Project fair 2020

Project Scrutiny

Physical Achievements continues...

Webinar report

Physical Achievements : SSIP Awareness program for second and third year students.

SR.NO	DEPARTMENT	SESSION TAKEN BY FACULTY	DATE	PRESENT STUDENT
1	MECHANICAL	SHRI B.D. SHANKAR	16/01/2021	189
2	ELECTRICAL	SHRI D.J. PRASAD	13/01/2021	78
3	CIVIL	SHRI SAGAR NIMAVAT	11/01/2021 to 13/01/2021	168
4	METALLURGY	SHRI ACHIT GAUTAM	13/01/2021	32
5	AUTOMOBILE	SHRI ARPIT PATEL	13/01/2021	113
6	INFORMATION TECHNOLOGY	SHRI CHINTAN GAJJAR	13/01/2021	79
7	POWER ELECTRONICS	SHRI SHAILESH DHORIYANI	25/01/2021	50
8	DTPT	SHRI PAVAN PANWALA	28/01/2021	21
	TOTAL STUDENTS			730

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