



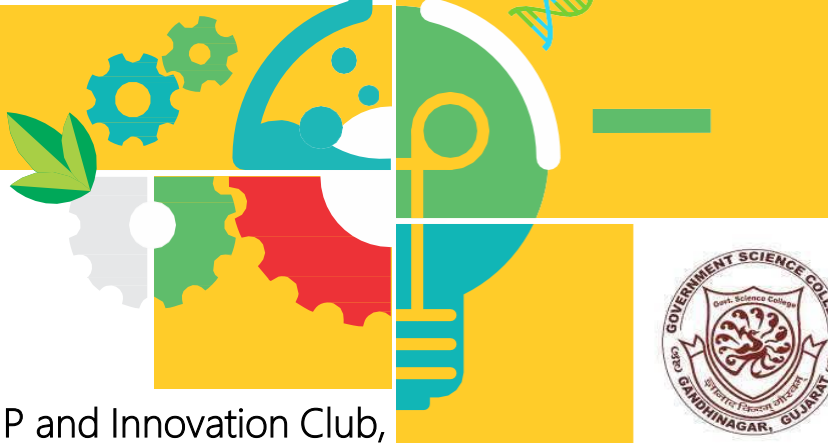
Education Department,
Government of Gujarat



भारत 2023 INDIA



STUDENTS START-UP AND INNOVATION POLICY 2.0



Team SSIP and Innovation Club,
Government Science College, Gandhinagar



MESSAGE

Dear Students,

I am delighted to inform you about the new Students Start-up and Innovation Policy 2.0 (SSIP 2.0) by the Government of Gujarat, which is now ongoing in our college under the SSIP and Innovation Club. This policy is aimed at providing a platform for our students to showcase their creativity and entrepreneurial skills and turn their innovative ideas into successful ventures. Our institution has always been at the forefront of innovation and has provided a nurturing environment for students to pursue their dreams. We understand that the road to entrepreneurship can be challenging, but with our guidance and support, we are confident that you can achieve your goals.

The Innovation Club, under the able leadership of our faculty members, has already made significant strides in promoting innovation and entrepreneurship among our students. The club has organized various workshops, seminars, and competitions to nurture and showcase the talent of our students. We are proud of the achievements of our students, who have already made their mark in various fields of innovation and entrepreneurship.

I encourage all our students to take advantage of this unique opportunity and participate in the SSIP 2.0. Our Innovation Club and faculty members are here to support you, and we look forward to seeing the innovative ideas and ventures that will emerge from this initiative.

Best wishes.

Principal,

Dr. M.G. Bhatt,
Government Science College, Gandhinagar.

➤ What is SSIP 2.0 ?

Introduction

The Government of Gujarat has established a policy to offer support to start-ups and innovative projects. This program is available to individuals or groups with original ideas, as well as to institutions such as universities, educational centres, research and development institutions, incubation centres, private organizations, and public sector undertakings that can provide guidance and support to these innovators after being approved by the committee. The presence of start-ups in the technology sector plays a crucial role in determining technological progress due to various factors.

The Gujarat government introduced the Student Start-up and Innovation Policy (SSIP) 1.0 in 2017, which was effective until 2021. This initiative allocated Rs. 100 crores over five years (2017-2022) to promote innovation and start-ups among students attending state universities and technical institutes. The primary focus of this policy was on encouraging technology-led innovations among current students and recent graduates who were no more than five years past their graduation date. In comparison, SSIP 2.0 has increased its outreach significantly, expanding from one million students to five million students enrolled in higher education and technical institutes.

Definition

- 1. 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.
- 2. Start-up:** Start-up 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. Start-up may also be an entity that satisfies the requirements of the Department of Industrial Policy and Promotion (DIPP), Government of India.
- 3. Proof-of-concept (POC) stage:** Proof-of-concept is the stage where the innovator/startup demonstrates a fundamental functioning demonstration of the idea/hypothesis/innovation.
- 4. Prototype-stage:** A prototype-stage is a pre-production/pre-launch stage where the innovator /startup team has developed a basic minimum viable product (MVP) with most key features desired in the final product.

5. **Minimum viable product (MVP)** is a product with just enough features to gather validated learning about the product and its continued development.

6. **Start-up India Action Plan:** The Government of India has announced the 'Startup India, Stand up India' initiative for creating a conducive environment for startups in India. Different ministries of the central government have initiated a number of activities for this purpose, and the government has also published an action plan for the same.

7. **Student Start-up:** 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. Recently, AICTE has developed a national roadmap for student startup support system.

8. **Academic/educational institute:** Any government/grant-in-aid/self-financed institute/college in the state affiliated to a recognised university of Gujarat.

9. **Preincubation:** Preincubation makes up early stage support systems for the innovation & startup value chain that comprises an enabling environment to trigger creative ideas, hand-holding ideas at conceptualisation stage, extending basic facility to test the ideas and validate its early users, basic common working infrastructures, and access to existing resources before the innovation reaches an enterprise stage.

10. **Incubator:** Incubator is an organisation established to accelerate the growth of startups, through an array of business support, resources, mentorship, networking and other common services such as physical space, capital, and coaching.

11. **Technology Business Incubator:** A Technology Business Incubator (TBI) is an incubator established to support technology-driven startups generally supported by the National Science & Technology Entrepreneurship Development Board (NSTEDB), Department of Science & Technology (DST), Government of India.

12. **Atal Innovation Mission (AIM):** The Atal Innovation Mission (AIM) is Government of India's endeavour to promote a culture of innovation and entrepreneurship. Its objective is to serve as a platform for promotion of world-class Innovation Hubs, Grand Challenges, Startup businesses and other self-employment activities, particularly in technology driven areas. AIM is established under the NITI Aayog.

13. Tinkering Lab/Fab Lab/ Innovation Studio: A Tinkering Lab/Fab Lab is a combination of experimental research and specialisation, where students may tinker with emerging technology and fabricate and create new product/prototypes.

14. Accelerators: An accelerator is similar to an incubator except, as the name suggests, a startup accelerator fosters rapid growth of the startups it incubates. Usually accelerators package mentorship, access to technology, office space and access to an innovative community into a relatively shorter timeline for faster growth.

15. Angel Investors: An angel investor is a person who provides financial support by investing capital-typically, a relatively smaller seed capital - in a startup.

16. Venture Capital: Venture Capital (VC) is a type of funding that originates from venture capital firms that specialise in building high risk financial portfolios. Typically, such firms provide growth-level funding to established startups against equity as well as create value for startups by providing access to their networks for employees, clients, products, or services of the startup.

▪ **Policy Period**

The period of the Policy will be from January 11, 2022 to March 31, 2027.

▪ **Eligibility Criteria for Educational Institutions**

To be eligible to take benefit of the Policy, an institute shall be

- I. Based in Gujarat;
- II. A Government/Grant-in-Aid institute/Private institute affiliated to recognized university;
- III. On record to have demonstrated concrete efforts related to innovation and entrepreneurship in the past few years or having strong commitment to participate towards the goals of the Policy.

▪ **Eligibility Criteria for Educational Beneficiaries**

Any person up to the age of 35 years, who is,

- i. A school student of Foundational / Preparatory / Middle / Secondary level (Up to Class 12)
- ii. A Diploma / Vocational / Undergraduate / Postgraduate / Doctoral student or an alumna / alumnus
- iii. Any dropout from school / institute / university.

The Policy Implementation Committee (PIC) shall evaluate each application based on the criteria / merit and the suitable ones shall be selected as grantee under the Policy. The criteria / merit shall include parameters like active student participation (ASP), research and innovation related activities carried out in past few years, action plan and budget plan and other as decided by the PIC.

The Student Innovation Policy mandates interventions at three levels: a) State-level (strategy and planning) b) University-level (contextual policy implementation and handholding) c) Institution-level (grassroots level deployment and end-to-end support of ideas and innovations).

▪ Support to individual Beneficiaries

Beneficiary	Support
All Beneficiaries	<ul style="list-style-type: none">• Exposure to Tinkering Lab, Innovation Lab, Incubation Centres• Large scale sensitization, events and programs for developing Scientific Mindset• Collective/Community level support system and activities• Capacity Building
Class 9 to Class 12	<ul style="list-style-type: none">• Maximum INR 20,000 per PoC/Prototype/Innovation
Higher and Technical Education	<ul style="list-style-type: none">• Maximum INR 2.50 Lakh per PoC/Prototype/Innovation• IP Support up to 100% of expenses

▪ IPR Support

Under the Policy, IPR(Intellectual property rights) strategies for academia with a special focus, provide various incentives including financial grants to support innovators.

Type of IPR	Supportive Provisioned (Up to)
Patents	INR 75,000 for Domestic, INR 1.5 Lakh for other countries
Copyrights	INR 8,000
Trademarks	INR 12,500
International Registration of Marks	INR 50,000
Industrial Design	INR 9,000
Plant Variety Registry	INR 33,000
Semiconductor Integrated Circuits Layout- Design Registry (SICLDR)	INR 15,000

A State-level IP Facilitation Centre (IPFC) will function at i-Hub, which will be responsible for assisting Grantees and Beneficiaries in IP related activities. i-Hub will maintain a robust IP support system for innovators and Start-ups. The necessary guidelines for IP support will be issued by the State PMU based on the recommendation of the PIC from time to time. The IP guideline of the Education Department of the State will be effectively implemented across academia under this policy

● Goals of SSIP 2.0

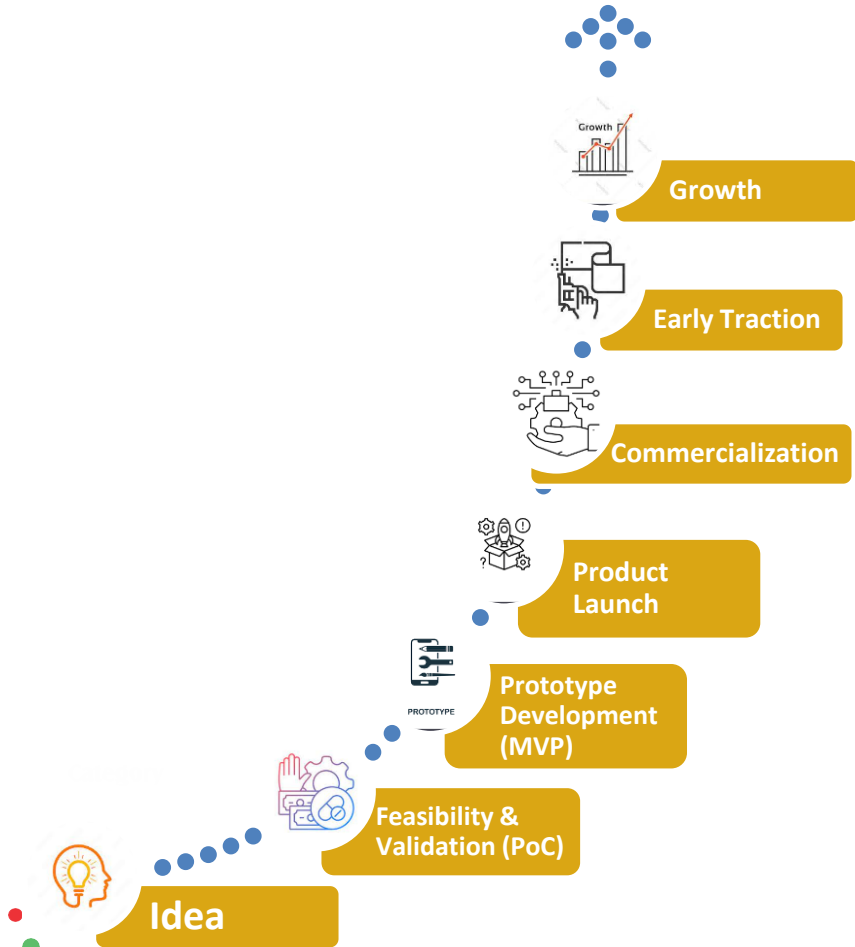
Key goals of SSIP 2.0 are as follow,

- Empower all state universities to set-up and implement a comprehensive agenda of innovation and pre-incubation.
- Aim to create an environment that converts at least 1% of graduates into job creators through innovation and allied means.
- Support at least 1,000 student-led innovations per year and aim to file 1000 patents per year from state universities.
- Employ 500 student start-ups and upscale in next 5 years.
- Empower universities and educational institutions to strengthen innovation and pre-incubation support systems within.
- Create incentives, rewards, appreciation and benchmarks for innovation and student start-ups and related efforts at all levels.
- Build capacity for at least 200 educational institutions in the state over the next five years, to provide strong pre-incubation support for student/alumni start-ups and innovations.
- Undertake strategic interventions to enable all state universities to develop a full-fledged pre-incubation ecosystem in the next 5 years.
- Ensure that innovation processes systematically link academia, society and SMEs so that students and teachers can solve their challenges and create more entrepreneurial opportunities.

● Role of Stake Holders

- **Government:** Mandate, support, integrate and scale.
- **Academic Stakeholders:** Deploy agenda within, quality assurance, create end-to-end support system and codification.
- **Non-academic, industry and other ecosystem stakeholders:** Mentoring, market access and domain knowledge.

Startup Product Lifecycle



Awareness/Sensitization Activities



Programmes- Online/offline Awareness Sessions, Expert Sessions, Panel Discussion, Visit Business Incubators



Pedagogical interventions- Faculty Development Programs on Entrepreneurship/Startups



Setting up **Preincubation/Incubation Centres**



Special Endeavours- CSR fund for student startups, Industry Tie-ups



Events- Hackathons, Demo Day, Mind to Market Startups/IDEA, Exhibition, etc

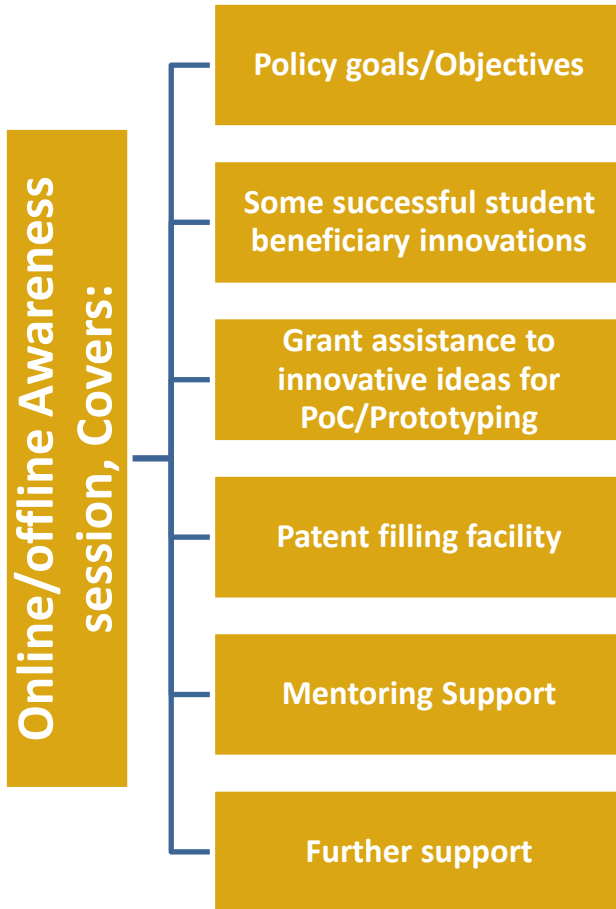


Basic Infrastructure



And Others.

SSIP 2.0 Awareness Activities at Universities/Institutes



SSIP 2.0 Awareness Activities at Universities/Institutes



Visit to nearby Technology Business Incubators for better understanding of startup Ecosystem and VGSS kind events



Expert Session on –
Startup/Entrepreneurship, Centre & State Government Grants & Patent filling



Startup Journey Sessions (Penal Discussion) by successful startup founders



Exhibition stall/Information Desk- at University/Institute events

Scout for IDEA from Students

Every quarter, Institute can announce Call for IDEA by creating google form- Sample form

Shortlisted IDEAs may ask for presentation (Sample Preparation) before SSIP committee (“External expert may be invited”)

Scrutiny committee (SSIP committee) evaluate the IDEA presentation based on:

Problem Statement

Proposed solution in terms of technology involved

Feasibility

Expenses

Scout for IDEA from Students

BASED ON THE PRESENTATION IDEAS CAN BE SELECTED FOR GRANTS AND AMOUNT OF GRANT CAN BE DECIDED

ANNOUNCEMENT OF SSIIP 2.0 GRANT WINNERS BY EMAIL OR SOME EVENT



Financial Assistance to Students/Beneficiaries

The selected IDEAs for grant needs to submit Bank details (of the students/one leader from the group of the students)

Decided by the committee, 50%-70% of the approved grant amount may deposit to the respective accounts in

- Advanced OR
- As reimbursement (bills needs to be submitted by students)

Procurement of raw material, necessary services, components through competitive offers for developing PoC/Prototype/product/Startup.

For next trench of grant progress report and bills must be submitted by student

Who can apply ?

Any student start-up from any academic institute from Gujarat can apply for this as per the definition of SSIP policy.

For more details, please follow the link given below

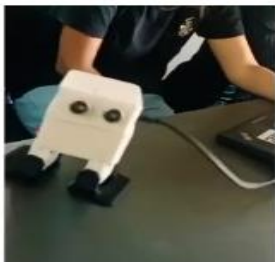
www.ssigujarat.in

Our College Activity

Activities under SSIP-Innovation Club committee 2022-2023,

1. Basic Robotics Training Workshop and Certificate Program.
2. State level coding competition.
3. Prabodh level DIY kits Training.
4. Employability through Entrepreneurship and Innovation.
5. Basic Robotics & DIY Training Workshop 2.0
6. Understanding Startups and Innovation
7. Application of Mathematics on Real world problem





The Basic Robotics Training Workshop and Certificate Program organized by the Knowledge Consortium of Gujarat (KCG), in collaboration with the Government Science College, Gandhinagar, was a resounding success. The five-day program, which took place from 21/3/22 to 25/03/22, aimed to introduce students to the basics of robotics and equip them with the skills and knowledge necessary to pursue a career in this field. The event, which was funded by KCG under the TEERTH scheme, saw the participation of 53 students from various backgrounds and fields of study. The program included theoretical sessions, hands-on training, and project work, allowing participants to gain practical experience and put their newly acquired skills into practice.



camp for Innovation for Arts, Commerce and Science Students of

Our college is proud to have participated in the State Level Coding Competition organized by the Commissionerate of Higher Education, Government of Gujarat, held at the Science City in Ahmedabad from 22/03/22 to 23/03/22. We are delighted to share that one of our students, Prince Varsur of BSc Sem 3, secured the 4th position in the competition. It is a testament to the exceptional talent and hard work of our students that five of them participated in this prestigious competition. We are grateful to the Commissionerate of Higher Education, Government of Gujarat, for providing this wonderful opportunity for our students to showcase their coding skills.



Our college recently organized the "Prabodh" Level DIY Kits Training program in collaboration with the Commissionerate of Higher Education, Government of Gujarat, under the Innovation Club. The program was held at the Government Science College, Gandhinagar, from 18/07/22 to 21/07/22 and saw the participation of 60 students from various fields of study. The program aimed to provide hands-on training to the students in the assembly and operation of DIY kits, enabling them to gain practical experience in electronics and electrical engineering. The training sessions were conducted by experts in the field, who provided guidance and support to the participants.



The SSIP-Innovation Club Committee and UDISHA Committee of Government Science College, Gandhinagar organized a one-day event titled "Employability through Entrepreneurship and Innovation" on 13/03/23. The event saw participation from 108 students who were interested in exploring the world of entrepreneurship and innovation. The event aimed to provide an opportunity for the students to learn about the various aspects of entrepreneurship, such as ideation, business planning, funding, and marketing.



Our college recently hosted a "Robotics Workshop 2.0 using DIY Kits Training" with the Commissionerate of Higher Education, Govt. of Gujarat. Held at Govt. Science College, Gandhinagar, from July 6th to 8th, 2023, 40 students joined from diverse backgrounds. The program aimed to provide hands-on experience in assembling and operating DIY kits, enhancing practical understanding in electronics and electrical engineering. Expert-led sessions offered valuable guidance. Dr. M.G. Bhatt, our respected principal, played a pivotal role by motivating and guiding the event



On 07/08/23, the SSIP & Innovation Club Committee of Government Science College, Gandhinagar, organized a lecture entitled "Understanding Startup and Innovation." The lecture, presented by Mr. P.C. Khatri, attracted participation from over 100+ students eager to delve into the realm of startups and innovation. It aimed to furnish students with insights into diverse startup facets, including ideation, business planning, funding, and marketing. Additionally, our Hon. principal, Dr. M.G. Bhatt, and Vice principal, Dr. C.C. Ambasana, provided valuable guidance and motivation to support the event.



On 10th August-2023, the SSIP-Innovation Club Committee and Gyandhara Committee of Government Science College, Gandhinagar, collaboratively organized a lecture titled "Application of Mathematics in Real-World Problems." The lecture was presented by Dr. Nirav Patel from Government Engineering College, Gandhinagar. The event attracted participants keen on exploring the practical applications of mathematics. It aimed to provide students with insights into utilizing mathematics for real-world challenges. Honorable Principal, Dr. M.G. Bhatt, extended guidance and motivation in support of the lecture.

Supported By



सत्यमेव जयते

Government of Gujarat
Education Department



Team SSIP and Innovation Club, Government Science College, Sector-15, Gandhinagar

- Dr. P U Sharma (Chairman, Inn.Club)
- Prof. P D Chaudhary (Chairman, SSIP)
- Dr. A A Baakza (Co-Chairman)
- Dr. J S Rajora (Co-Chairman)
- Dr. N A Patel (Member)
- Dr. C V Shah (Member)
- Dr. D S Gandhi (Member)
- Dr. Y M Parmar (Member)
- Dr. M S Amrutiya (Member)
- Dr. J T Thumar (Member)
- Dr. H A Prajapati (Member)
- Dr. R M Patel (Member)
- Prof. P C Khatri (Member)

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