

3.2.1 QIM

Ecosystem for Innovations at Government Science College, Gandhinagar

Introduction

Government Science College, Gandhinagar has developed a robust ecosystem for innovation. This ecosystem focuses on raising awareness about Intellectual Property Rights (IPR) and fostering a culture of innovation. It includes departmental laboratories, a comprehensive library, an active research cell, an Innovation Club, and a Student Startup and Innovation Policy (SSIP) committee.

Laboratory Facilities

Advanced Scientific Infrastructure

The laboratories in each department are equipped with a variety of scientific instruments necessary for advanced experimentation. For instance, the Chemistry department's post-graduation center runs MSc programs where students engage in dissertation projects, cultivating a research-oriented mindset. The Microbiology lab is notable for providing pure bacterial cultures to nearby colleges and researchers, making it a unique resource in the state.

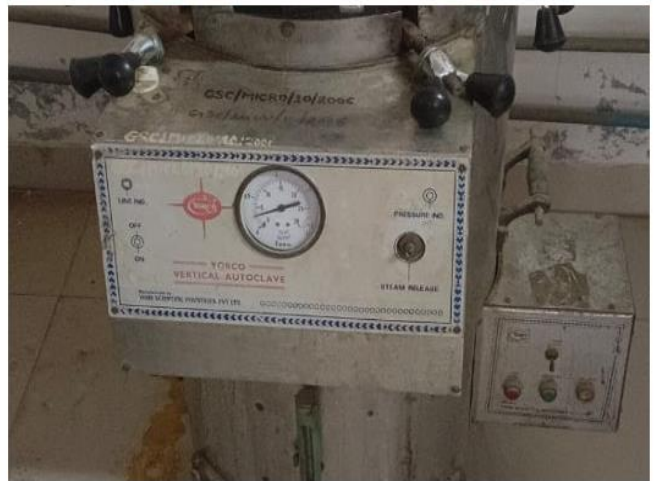
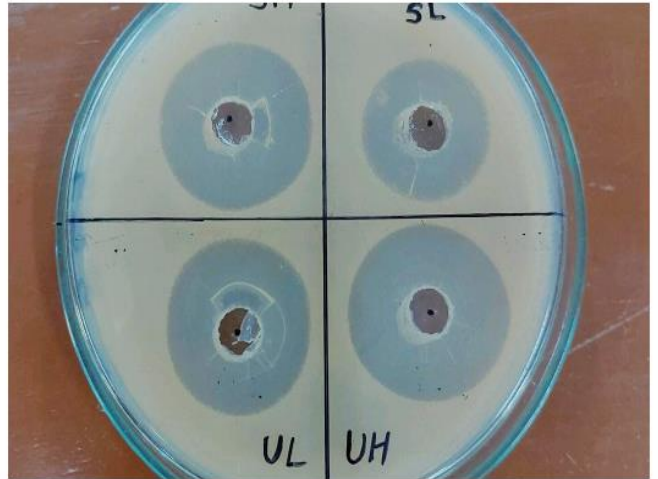
Botany Laboratory



Laboratories

Link for Infrastructural facilities:

<https://www.gscgandhinagar.in/view-pdf?id=298>



Bacterial culture and experimental equipment in microbiology laboratory

Library Facilities

Extensive Resources and Digital Access

The college library is a well-equipped facility offering extensive collections of reference books, journals, and e-journals. It also provides internet access, ensuring that both students and faculty have the latest research materials at their fingertips.



Library

Link for Library facilities:

<https://www.gscgandhinagar.in/view-pdf?id=300>

Research Cell

Encouragement of Quality Research

The Research Cell plays a crucial role in promoting high-quality research among teachers and students. It supports participation in conferences, seminars, and workshops, especially those focusing on IPR awareness. This not only enhances research output but also ensures faculty and students stay informed about the latest developments in their fields.

Student Startup and Innovation Policy (SSIP) Committee

Nurturing Entrepreneurial Spirit

The SSIP committee is dedicated to fostering an entrepreneurial spirit among students. It provides financial support for innovative startup ideas through grants and seed funding. Additionally, the committee organizes seminars, workshops, and field trips to expose students to real-world startups and entrepreneurship, cultivating an entrepreneurial mindset.

Integration of IPR in Curriculum

Raising Awareness through Education

Several microbiology courses include IPR as a unit/topic in their curriculum, raising awareness among students about the importance of intellectual property rights. This integration ensures that students are knowledgeable about IPR, which is crucial for protecting their innovative ideas.

Sr. No.	Name of Committee	Chairman	Co-Chairman	Members
1	F. Y. B. Sc. Admission Committee	Dr. S. K. Patel	Dr. M. M. Patel	Dr. S. P. Pithva Dr. P. U. Sharma Dr. H. A. Prajapati Varnali P. Pandor (Lab Assistant - Botany)
2	S. Y. B. Sc. Admission Committee	Dr. D. S. Gadhvi	Dr. B. M. Patel	Dr. P. P. Prajapati Dr. A. A. Bhatnagar Dr. Vibha B. Vansola Hemra M. Araya (Lab Assistant - Botany)
3	T. Y. B. Sc. Admission Committee	Dr. K. B. Zankar	Prof. M. V. Mulchandani	Dr. K. B. Patel Dr. J. T. Thumar Dr. B. H. Karbar Shree V. R. Asari (Lab Assistant-Physics)
4	Time Table Committee	Dr. D. P. Patel	Prof. M. G. Patel	All HODs
5	Examination Committee	Prof. B. K. Trivedi	Dr. D. P. Patel Prof. M. G. Patel Dr. Nishah A. Patel	Dr. Vibha B. Vansola Dr. Chetan B. Sangani Dr. D. H. Mishra Dr. D. N. Adhyaru Rignash J. Vaghela Mrs. J. D. Pandya J. N. Chaudhary (Clerk)
6	Exam Forms Fill up Committee (Regular and Repeaters)	Prof. B. K. Trivedi	Dr. S. P. Prajapati Dr. P. D. Chaudhary	Dr. R. S. Chaudhanna Dr. D. H. Mishra Varnali P. Pandor (LA)
7	F. Y. B. Sc. (Sem I & II)	Prof. M. G. Patel	Dr. B. M. Patel Dr. J. S. Rajora	Dr. Vibha B. Vansola Dr. K. P. Tank K. J. Kuchavar (LA)
8	S. Y. B. Sc. (Sem III & IV)	Dr. K. S. Nimavat	Dr. J. T. Thumar Prof. M. S. Annutya	Dr. Rohit M. Patel Prof. Nisha K. Sharma V. A. Asari (LA)
9	T. Y. B. Sc. (Sem V & VI)	Dr. C. C. Ambasara	Mrs. J. D. Pandya Prof. M. S. Annutya	All HODs
10	Library Committee	Dr. K. S. Nimavat	Mrs. J. D. Pandya	Dr. S. P. Pithva Smt. J. D. Pandya (Librarian)
11	Research Cell	Prof. Chandresh K. Kharadi	Dr. D. N. Adhyaru	Amrita Baval (Computer Programmer)
12	Online Education & Administration Committee (MS Teams, Canvas, Blackboard)	Dr. Y. M. Pansar	Prof. Chandresh K. Kharadi	Prof. M. S. Annutya

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Research Cell committee



GOVERNMENT SCIENCE COLLEGE

Sector – 15, Gandhinagar-382016

Principal
Dr. Mahendra G. Bhatt

Website- www.gscgandhinagar.in

E-mail: gscgnr@gmail.com

Tel. (O) : 079-23222352

(M): 94267 37221



NAAC Accredited-B+
(CGPA-2.65)

Ref.No.: GSC/ESTA/Committee/SSIP/2023-24/1245 Date: 22/07/23

Student Startup and Innovation Policy Cell (SSIPC) (2023-24)

As per the instructions and guidelines from office of the Commissionerate of Higher Education, for the implementation of SSIP, following committees are constituted.

A. Institute Level SSIP Committee

Sr. No.	Name	Designation
1	Dr. M. G. Bhatt (Principal)	Chairperson
2	Prof. P. D. Chaudhary	Co-ordinator
3	Dr. P. U. Sharma	Additional Co-ordinator
4	Dr. A. A. Baakza	Additional Co-ordinator
5	Dr. J. T. Thummar (Academic/Technical Expert)	Member
6	Dr. J. S. Rajora (Academic/Technical Expert)	Member
7	Dr. Rohit Patel (Academic/Technical Expert)	Member
8	Dr. Yogita M. Parmar (Academic/Technical Expert)	Member
9	Dr. Chetas V. Shah (Academic/Technical Expert)	Member
10	Dr. H. A. Prajapati (Academic/Technical Expert)	Member
11	Prof. M. S. Amrutya (Academic/Technical Expert)	Member
12	Prof. Pritesh Khatri (Academic/Technical Expert)	Member
13	Dr. D. S. Gandhi (Academic/Technical & Finance Expert)	Member
14	Dr. N. A. Patel (Academic/Technical & Finance Expert)	Member
15	Start-up Ecosystem/Incubator Expert	Member
16	Industry Expert (Industrialist /Innovator / investor)	Member
17	Industry Expert/Alumni (having own start-up / patent / innovation / industry)	Member
18	Finance Expert (CA/CS) nominated by the Principal	Member
19	Faculty of all departments	Member

- Institute Level SSIP Committee will supervise all the activities of SSIP Cell.
- This committee shall decide on the project to be taken up for financial and technical support.
- This committee should meet every month or whenever need arises to review the applications received for extending various support.
- The committee may invite and include domain experts as members whenever need arises.
- According to instructions given by office of the Commissionerate of Higher Education and KCG, the coordinator has to distribute works and duties among members and coordinate. Coordinator has to represent our college by remaining present in various seminars, conferences and workshops relating to SSIP.



GOVERNMENT SCIENCE COLLEGE

Sector – 15, Gandhinagar-382016

Principal
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(M): 94267 37221



NAAC Accredited-B+
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Ref.No.: GSC/ESTA/Committee/Inno. Club/2023-24/1345-A Date: 22/07/23

Innovation Club (2023-24)

As per the instructions and guidelines from office of the Commissionerate of Higher Education, for the implementation of Innovation Club, following committees are constituted.

A. Institute Level Innovation Club Committee

Sr. No.	Name	Designation
1	Dr. M. G. Bhatt (Principal)	Chairperson
2	Dr. P. U. Sharma	Co-ordinator
3	Prof. P. D. Chaudhary	Additional Co-ordinator
4	Dr. J. S. Rajora	Additional Co-ordinator
5	Dr. J. T. Thummar (Academic/Technical Expert)	Member
6	Dr. A. A. Baakza (Academic/Technical Expert)	Member
7	Dr. Rohit Patel (Academic/Technical Expert)	Member
8	Dr. Yogita M. Parmar (Academic/Technical Expert)	Member
9	Dr. Chetas V. Shah (Academic/Technical Expert)	Member
10	Dr. H. A. Prajapati (Academic/Technical Expert)	Member
11	Prof. M. S. Amrutya (Academic/Technical Expert)	Member
12	Prof. Pritesh Khatri (Academic/Technical Expert)	Member
13	Dr. D. S. Gandhi (Academic/Technical & Finance Expert)	Member
14	Dr. N. A. Patel (Academic/Technical & Finance Expert)	Member

- Institute Level SSIP Committee will supervise all the activities of SSIP Cell.
- This committee shall decide on the project to be taken up for financial and technical support.
- This committee should meet every month or whenever need arises to review the applications received for extending various support.
- The committee may invite and include domain experts as members whenever need arises.
- According to instructions given by office of the Commissionerate of Higher Education and KCG, the coordinator has to distribute works and duties among members and coordinate. Coordinator has to represent our college by remaining present in various seminars, conferences and workshops relating to SSIP.
- Academic/Technical Experts have to collaborate with professors of their concerned department and have to perform duties about SSIP, relating to their subject. Personal motivation and guidance must be given to students participating in SSIP. Conferences and workshops have to be organized and detail report of activities has to be submitted to principal and coordinator. Personally at all stages it will be noted by the principal.

- Academic/Technical Experts have to collaborate with professors of their concerned department and have to perform duties about SSIP, relating to their subject. Personal motivation and guidance must be given to students participating in SSIP. Conferences and workshops have to be organized and detail report of activities has to be submitted to principal and coordinator. Personally at all stages it will be noted by the principal.
- Academic/Technical experts have to co-operate the coordinator in every matter and they will look after technicality of all activities of SSIP. They must try to achieve, best-result oriented performance. P.T.O.
- Assistant coordinator has to maintain all records regarding SSIP and has to perform administrative work including maintaining accounts, correspondence, utilization certificate etc.
- All above instructions must be followed strictly.

B. IPR Scrutiny Committee & IPR Cell

Sr. No.	Name	Designation
1	Dr. M. G. Bhatt (Principal)	Chairperson
2	Dr. C. C. Ambasara (Academic/Technical Expert)	Member
3	Dr. D. P. Patel (Academic/Technical Expert)	Member
4	Dr. S. K. Patel (Academic/Technical Expert)	Member
5	Dr. C. K. Chauhan (Academic/Technical Expert)	Member
6	IPR Expert (having minimum three-year experience in the field of IPR)	Member
7	Prof. P. D. Chaudhary (SSIP Coordinator)	Member Secretary
8	Dr. Pooja Sharma (Innovation Coordinator)	Member Secretary

- The IPR Scrutiny Committee will select a project which is having the potential to reach the IP filing stage.
- The members of this committee will sign a non-disclosure agreement with the Institute.
- This committee will act as IPR cell
- IPR cell has to facilitate IPR related activities.
- This cell has to process the information and shall get internal approvals of the State Level SSIP committee of the institute.
- This cell has to provide help to innovator from DIPP (Department of Industrial Policy and Promotion) recognized consultants.
- This cell has to follow up with the status of the application.
- This cell has to facilitate the applicant/innovator/creator in promoting the product for commercialization.
- All above instructions must be followed strictly.


PRINCIPAL
Government Science College
Sector 15, Gandhinagar

Establishment of SSIP Cell , Innovation club and IPR cell at institute

Link to committee lists:

<https://www.gscgandhinagar.in/page?gid=21>



Certificate of Participation

Gujarat Student Startup and Innovation Hub (i - Hub)

This certificate is presented to

DR. JIGNASHA TRIKAMLAL THUMAR

of Government Science College, Gandhinagar

In recognition for successful completion of Certificate Course on
"COMPREHENSIVE ONLINE INTELLECTUAL PROPERTY RIGHTS (IPR)"
conducted during July 6, 2020 to September 14, 2020

Hiranmay Mahanta
CEO, i-Hub

Anju Sharma, IAS
Chairperson i-Hub & Principal Secretary to
Government of Gujarat

KNOWLEDGE
PARTNERS



Certificate No: 20100106535



Certificate of Participation

Gujarat Student Startup and Innovation Hub (i-Hub)

This certificate is presented to

DR. PRAGNA PARSOTTAMBHAI PRAJAPATI

of G.S.C., Gandhinagar

In recognition for successful completion of Certificate Course on
"COMPREHENSIVE ONLINE INTELLECTUAL PROPERTY RIGHTS (IPR)"
conducted during July 6, 2020 to September 14, 2020.

Hiranmay Mahanta
CEO, i-Hub

Anju Sharma, IAS
Chairperson i-Hub & Principal Secretary to
Government of Gujarat

KNOWLEDGE
PARTNERS



Certificate No: 20100106642



Certificate of Participation

Gujarat Student Startup and Innovation Hub (i - Hub)

This certificate is presented to

DR. SURESHKUMAR K PATEL

of Gujarat Arts & Science College, Ellisbridge

In recognition for successful completion of Certificate Course on
"COMPREHENSIVE ONLINE INTELLECTUAL PROPERTY RIGHTS (IPR)"
conducted during July 6, 2020 to September 14, 2020

Hiranmay Mahanta
CEO, i-Hub

Anju Sharma, IAS
Chairperson i-Hub & Principal Secretary to
Government of Gujarat

KNOWLEDGE
PARTNERS



Certificate No: 20100106885

**Certificate course on Intellectual property rights for all the faculties of
Gujarat education services conducted by education department,
Gujarat.**

Innovation Club Committee

Promoting Interdisciplinary Innovation

The Innovation Club is instrumental in promoting interdisciplinary activities and the development of new models, including those involving AI programming. It nurtures creativity among students and encourages them to develop startups. The club offers training and support for participation in various competitions and hackathons, further enhancing students' innovative capabilities.

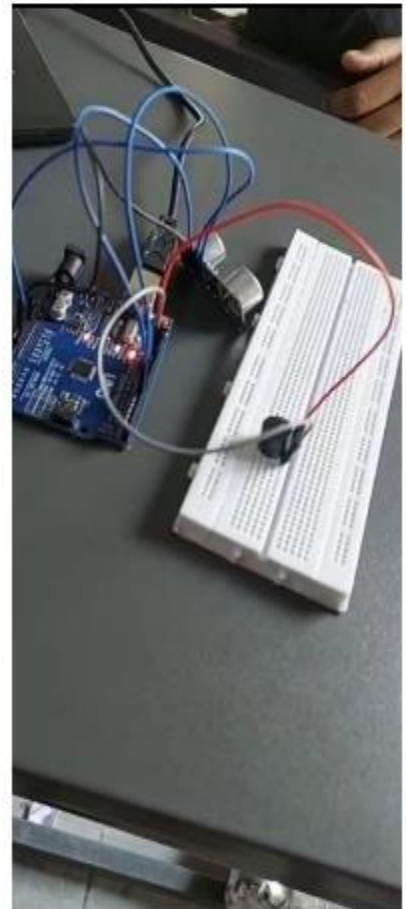
Participation in Competitions and Seminars

Showcasing Innovation

The institute encourages students to participate in subject-specific seminars, conferences, workshops, and various competitions. This provides a platform for students to showcase their innovative ideas and projects. Students from various departments like microbiology, physics, and botany have achieved recognition at state and national levels.



Workshops under Innovation club



Workshops under Innovation club

Link to SSIP and Innovation activities:

<https://www.gscgandhinagar.in/ssip-2-0-brochure>

<https://www.gscgandhinagar.in/ssip-innovation-2022-23>



Gujarat Council on Science & Tec... · 1h
 One of the main goals of coding hackathon for students @GujScienceCity is developing new ideas, providing a platform where innovation is born.

It's the most efficient #environment for problem-solving that boost #Inspiration #innovation #creativity and #productivity. @mngarajan



Dept of Science & Technology, Gujarat and G. others



Shot on OnePlus



Indian Association of Physics Teachers (IAPT RC-7)

CERTIFICATE

This is to certify that Mr./Ms..... **Joshi Mahi Harshad bhail**
 of **Government Science College, Sector 15, Gandhinagar**
 has Participated in the **School / UG / PG / RS / Teacher** category by Presenting their innovative physics experiment and won the **1st / 2nd** prize during State level Final CPEX-2024 Organized on 14th March, 2024 at P D Patel Institute of Applied Sciences, CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY, Changa - 388 421, Gujarat, India in association with Indian

CERTIFICATE

THIS CERTIFICATE IS PROUDLY PRESENTED FOR HONORABLE ACHIEVEMENT TO

Smruti Bharat Kumar Nirmal

Government Science college, Gandhinagar

has demonstrated exceptional skills and knowledge in the Competition of Physics Experiments (CPEX-2024)

organized by Physics Department, M. N. College, Visnagar, in collaboration with the Indian Association of Physics Teachers (IAPT-RC7), held on 29th January 2024. In acknowledgement of their exceptional achievement, we are honored with this certificate for Participation / 1st Place / 2nd Place / 3rd Place in the competition. This certificate is a testament to their dedication, exemplary efforts, and significant contribution to the field of physics. It is presented on the occasion of the 40th year of IAPT.



Achievement of students in various competitions /Seminars

Value-Added Course on Indian Knowledge System (IKS)

Understanding Holistic Knowledge

In alignment with NEP-2020, the institute introduced a Value-Added Course on the Introduction to Indian Knowledge System (IKS) in the academic year 2023-24. This course aims to provide a holistic understanding of the rich Indian knowledge system and its traditions, highlighting its relevance in the contemporary world.

Link to IKS Syllabus on Institutional Website:

<https://www.gscgandhinagar.in/view-pdf?id=230>

Conclusion

The innovative ecosystem at Government Science College, Gandhinagar, with its advanced laboratory facilities, comprehensive library, active research cell, supportive SSIP committee, and dynamic Innovation Club, provides an excellent environment for fostering innovation and entrepreneurship. This ecosystem ensures that students and faculty are well-equipped to pursue ground-breaking research, develop innovative solutions, and contribute significantly to society's advancement.