

G.S.SCIENCE, ARTS & COMMERCE COLLEGE KHAMGAON-444303
Dist. Buldana 444 303 (M.S.)



Internal Quality Assurance Cell



Policy for Promotion of Summer Research

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1. Brief Statement

G. S. Science, Arts and Commerce College, Khamgaon is committed to the pursuit of excellence in research and aims to implement the national agenda in the fields of science and technology, humanities and social responsibilities. Our commitment to the cause of research is reflected in the sustenance of both basic research and applied research which may create a long-term impact. The college ensures that all the core and inter disciplines flourish in research by adopting the highest norms and standards of a scholarly undertaking. The rise in global competition has prompted organizations to devise strategies to have a talented and innovative workforce to gain a competitive edge. Developing a policy for the promotion of Summer Research is an impactful strategy for creating a future talent pool for the country.

This document provides the information of research policy and promotional activity of G. S. Science Arts and Commerce College, Khamgaon. This document outlines the objectives, principles and procedures that should be taken into account while planning participation of the students in Summer Research.

2. Background

The enrollment profile of our college comprises mainly of the students from rural and semi-urban background. We noticed that our students are sincere and hardworking. However, due to the lack of proper guidance and exposure, many of them fail to pursue their career in research. This scenario is very common in our region. Considering this, a few of our teachers started promoting and recommending students to undertake summer research at premier institutes like IISER and IITs. Following is the list of the students who successfully completed Summer Research in the recent past:

S.N	Name of students	Department	Session
1.	Ku Gayatri Bhattad	Department of Chemical Sciences, IISER Kolkata, Contact person: Dr Sanjio Zade, email sanjiozade@iiserkol.ac.in	2017-18
2.	Ku Shivani Deshmukh	Department of Chemical Sciences, IISER Kolkata, Contact person: Dr Venkatraman Mahalingam, email mvenkat@iiserkol.ac.in	2017-18
3.	Ku Palak Bhattad	Department of Chemical Sciences, IISER Kolkata, Contact person: Dr Sanjio Zade, email sanjiozade@iiserkol.ac.in	2016-17
4.	Mr.Karan Selarka	Department of Chemistry, IIT Bombay, Mumbai, Contact person: Prof Sambhashivrao Kotha, email: srk@chem.iitb.ac.in	2016-17

5.	Mr. Rahul Dahiwadkar	Department of Chemical Sciences, IISER Kolkata, Contact person: Dr Venkatraman Mahalingam email: mvenkat@iiserkol.ac.in	2015-16
6.	Ku Punam Takarde	Department of Chemical Sciences, IISER Kolkata, Contact person: Dr Sanjio Zade, email sanjiozade@iiserkol.ac.in	2015-16
7.	Ku Khushboo Paliwal	Department of Chemical Sciences, IISER Kolkata, Contact person: Dr Devrajulu Sureshkumar, email: suresh@iiserkol.ac.in	2015-16
8.	Mr Abhijet Agrawal	Department of Chemical Sciences, IISER Kolkata, Contact person: Dr Sanjio Zade, email sanjiozade@iiserkol.ac.in	2010-11

These students who successfully completed Summer Research have chosen research as a career and are pursuing masters/ Ph.D. at premier institutes. It is also important to note that we are the only college in the university to promote this kind of culture. With this backdrop, the IQAC of our college has decided to design a policy to encourage and promote participation of a greater number of students in summer research.

3. Objectives

Summer Research projects are educational and career development opportunities, providing practical experience in a particular field or discipline. They are structured, short-term, supervised training programmes often focused around particular tasks or projects with a defined time limit. An internship may be compensated, non-compensated or sometimes, paid. The internship has to be meaningful and mutually beneficial to the intern and the organization. It is important that the objectives and the activities of the summer research program are clearly defined and understood. Following are the objectives of these programs:

- To provide a platform to the students to experience and understand the work culture at premier institutes like IIT, IISERs, IIITs etc.
- To start in-house summer research program.
- To expose students to the research environment, that cannot be simulated in the classroom.
- To provide possible opportunities to understand and sharpen the real time research / managerial skills.
- To provide exposure to the current scientific and technological developments relevant to the subject area(s) of training.
- Experience gained from the ‘Summer Research Project’ will be used in classroom discussions.
- To create conducive environment for the quest for knowledge and its applicability to the real life research problems.

- To inculcate excellent research culture for inter-disciplinary/multi-disciplinary/ inter-colleges collaborations and build platform for knowledge sharing.
- To publish papers in high-quality journals of international repute, file patents and transfer technologies to relevant industries.
- To create quality human resources for scientific research.
- To promote globalization of research and education.

4. Nature of the Program

The institution plans to support two types of summer research programs;

- A. Participation of students in summer research programs at the premier institutes like IITs, IISERs, TIFR, IISc, IIITs etc. and
- B. In-house Summer Research Programs (SRP) for advanced learners.

A. Participation of students in summer research programs at premier institutes like IITs, IISERs, TIFR, IISc, IIITs etc.:

Following steps will be taken to encourage and enhance the participation of students in Summer Research programs at the premier institutes:

- Teachers of the concerned department should identify the advanced and interested students.
- Teachers should make them aware about the opportunities for summer research at premier institutes.
- Teachers should encourage and counsel the students and parents (if needed).
- Students should be made aware about the benefits of the program,
- Teachers should help and guide the students to fill online application forms and necessary infrastructure will be provided by the college.
- Teachers should train the students to prepare the write up required for the application.
- **Financial Support:**
 - ❖ The College will provide financial support to the students who could not get any fellowship from the host institute. The financial assistance will include course/ bench fee and actual TA normally not exceeding Rs 5000/- per student.
 - ❖ The selected students should apply to the Principal in prescribed format (**Annexure I**) through the concerned HoD. The Principal in consultation with the concerned HoD/ IQAC Coordinator will decide the actual number of students to be supported by the college.
 - ❖ The college may have budgetary provision to support this activity.
 - ❖ Apart from the college share, funds for this activity may be generated through donations from alumni, faculties and philanthropists.
- After the completion of the project, student should submit a feedback form to the IQAC and they should encourage more students for further participation.
- Students' feedback should be shared with the freshers in 'Know Your College' (KYC) program.

B. In-house Summer Research Programs (SRP) for the advanced learners:

To encourage the participation of students in Summer Research Program (SRP), the college may start in-house SRP. In-House Summer Research programs will be operated as under:

- Initially, few departments/ teachers may be identified and they may be encouraged to start a summer research program for a period of 4 weeks.
- The number of students per teacher/ department may vary from 2-4.
- The duration will be of 4 weeks preferably between May and June.
- Teachers should encourage and counsel the students and parents (if needed).
- Students should be made aware about benefits of the program,
- Students should apply in the prescribed application form(**Annexure II**)
- Necessary infrastructure will be provided by the college.
- A financial assistance of Rs 1000/student may be provided as fellowship to the students

Timeline for In-house Summer Research Programs (SRP)

Information to Students	: First week of January
Application filing by students	: First week of February
Scrutiny of Application and display of list of selected students:	First week of March
Duration of Summer Research (04 weeks)	: May to July
Submission of Report	: Last week of July

Dr. H S Chandak
(Coordinator, IQAC)

Dr. D. S. Talwankar
(Principal)

Principal
G.S.Sel., Arts & Commerce
College, Khamgaon-444303

Annexure I

Application for financial support

To,
The Principal,
G S Science, Arts and Commerce College, Khamgaon

Date: / /

Subject : Financial support to participate in Summer Research Program

Through : The Head, Department of _____

Name of the applicant: _____ Class: _____

Respected Sir,

I, the undersigned am glad to share that I have been selected in self-finance mode to participate in Summer Research Program (Selection letter/ list is attached) at _____ in the subject _____ with Professor _____ from _____ to _____ .

I, solemnly declare that I am not getting any financial support for my visit. I request you to support my visit through institutional fellowship.

Expected expenditure for Stay/ Bench fee: Rs _____

Expected expenditure for Travel: Rs _____

Total expenditure expected: Rs _____

Thanking you,

Yours faithfully,

For office use only:

Remark by HoD: _____

Remark by Principal: _____

Annexure II

Application for In-House Summer Research Program

To,
The Principal,
G S Science, Arts and Commerce College, Khamgaon

Date: / /

Subject : **Application for In-House Summer Research Program**

Through : The Teacher (Supervisor) _____

Name of the applicant: _____ Class: _____

Respected Sir,

I, the undersigned request you that I wish to participate in **In-House Summer Research Program** in our college in the subject _____ with Professor _____ from _____ to _____ .

I, solemnly declare that I am not getting any financial support for the said program. I request you to support my tenure through institutional fellowship.

Expected expenditure for local travel and accommodation: Rs _____

Total expenditure expected : Rs _____

Thanking you,

Yours faithfully,

For office use only:

Remark by Teacher/ HoD: _____

Remark by Principal: _____