ANNADA COLLEGE HAZARIBAG

Permanently Affiliated Linguistic (Bangla) Minority Institution Under Vinoba Bhave University, Hazaribag

Registered U/S 2 (f) and 12 - B of U.G.C Act 1956

Proposal for establishment of "SCIENCE EXPLORATION & INNOVATION CLUB" in our college.

Submitted To : Internal Quality Assurance Cell (IQAC) dt. 26 May, 2026, Tuesday.

Submitted By : Departments of Botany, Biotechnology, Chemistry, Physics, Zoology.

Academic Session: 2025 – 2026

1. **(a) Title of the Club: SCIENCE EXPLORATION & INNOVATION CLUB**
   (b) Acronym : SEIC
   (c) Club Logo : Image of Acharya Jagadish Chandra Bose
   Club slogan : The true laboratory is the mind, where behind illusions we uncover the laws of truth.

2. Introduction / Background

The proposed club will consist of dynamic students, teachers and enthusiasts united by a common and shared passion for understanding the surroundings and shaping the future through scientific enquiry, troubleshooting and technological knowhow step by step.

Our club will be more than just a science class; it will be a centre for curiosity, creativity and collaboration. We believe that science is not a static set of facts but a vibrant, ongoing process of asking questions, testing ideas and inventing solutions. Whether fascinated by the mysteries of the cosmos, the intricacies of the living world or the logic of code and circuitry, our club will provide and promote a supportive and stimulating environment to explore interests. Through hands-on projects, engaging discussions and real-world challenges, we will empower our members to move from passive observers to active innovators, turning the ideas into reality. The club aligns with NAAC quality initiatives, NEP 2020 objectives and institutional goals of skill enhancement and employability.

3. PURPOSE

1. The primary purpose of the SEIC is to foster a deep and lasting appreciation for science & technology while equipping members with the practical skills and innovative mindset necessary to thrive in the 21st century.

2. Apart from regular classroom teaching and learning, syllabus oriented theoretical and practical lessons, this club will provide its members with opportunities to solve regular day to day problems and motivate to become problem solvers instead of complainers.

3. Specific objectives of SEIC are to:

1	Ignite Curiosity	To inspire a sense of wonder and excitement about the natural world and the principles that govern it, encouraging members to ask "why" and "how" about everything they encounter.
2	Promote Hands-on Learning	To provide opportunities for experiential learning through workshops, experiments and projects that allow members to apply theoretical knowledge in practical, tangible ways.
3	Cultivate Innovation	Critical thinking, solve complex problems and develop creative solutions, fostering an entrepreneurial spirit and a drive to invent and improve.
4	Build a Collaborative Community	To create a welcoming and inclusive space where members from diverse backgrounds can connect, share ideas, learn from one another and build lasting friendships based on shared interests.
5	Develop	To help members build a strong foundation in critical thinking, data analysis,

	Essential Skills	communication, teamwork and project management—skills that are invaluable in both academic and professional settings.
6	Connect with the Real World	To bridge the gap between classroom learning and real-world application by organizing guest lectures, field trips and participation in external science fairs, hackathons, or citizen science initiatives.
7	Inspire Future Leaders	To expose members to a wide range of career paths and opportunities, empowering them to envision themselves as the researchers, academicians, problem solvers and innovators of tomorrow.

4. Need and Relevance

- Industry demand for technical skills
- Student skill development
- Placement preparation
- Research and innovation exposure
- Community engagement
- Support for NAAC Criterion V and VII

5. Proposed Activities:

Sl No	ACTIVITY	FREQUENCY
1	Workshops / Training Programs	Monthly, bimonthly
2	Guest Lectures	As required
3	Competitions / Hackathons	Semester-wise
4	Industrial Visits	As required
5	Mini Projects	Continuous
6	Awareness Campaigns	As Required
7	Research/Innovation Activities	Semester-wise

6. Expected Outcomes

Through the implementation of SEIC the following concrete and measurable outcomes can be achieved :

For Individual Members:

1	Enhanced Proficiency	Members will develop a deeper understanding of scientific concepts and gain practical, hands-on experience with tools and technologies relevant to fields like robotics, coding, biology, chemistry, and engineering.
2	Development of Critical 21st-Century Skills	Participants will strengthen essential skills including critical thinking, complex problem-solving, creativity, data analysis, effective communication, and collaborative teamwork.
3	Increased Confidence and Self-Efficacy	By successfully completing projects, leading initiatives, and presenting their ideas, members will build significant confidence in their ability to tackle challenges and innovate.
4	Clarified Academic and Career Pathways	Exposure to diverse STEM fields through guest lectures and field trips will help members make more informed decisions about their future academic pursuits and career goals.
5	A Lasting Passion for Discovery	The club will ignite and sustain a genuine, lifelong curiosity about science and technology, encouraging members to remain active learners and explorers.

For the Club and College Community:

1	A Vibrant and Inclusive Science Community	The club will establish a welcoming and supportive network where students from all backgrounds feel encouraged to participate, share ideas, and collaborate.
2	Showcase of Student Innovation	The club will regularly produce and display high-quality projects, research, and innovations, fostering a culture of excellence and providing positive recognition for its members and the school.
3	Increased Engagement with STEM:	The club's activities and events will generate broader excitement and interest in science and technology throughout the wider student body and faculty.
4	Meaningful Community Outreach	Through initiatives like citizen science projects or mentoring younger students, the club will make a positive and tangible impact on the local community.
5	Long-Term Impact - A Pipeline of Future Leaders:	The club will serve as an incubator for the next generation of scientists, engineers, entrepreneurs, and informed citizens who are equipped to address the complex challenges of the future.

7. Beneficiaries

Students of all semesters across all subjects and disciplines, teachers and anyone who is interested in knowhow.

8. Proposed Organizational Structure

Patron : Dr. Nilmani Mukherjee, Principal

Chairperson : Dr. Barnango Banerjee, IQAC Coordinator

Faculty Coordinator(s)

1. Dr Sougata Sarkar, Assistant Professor, Department of Botany
2. Dr Baban Dey, Assistant Professor, Department of Chemistry
3. Dr Akash Garain, Assistant Professor, Department of Zoology
4. Dr Hiranmoy Kotal, Assistant Professor, Department of Biotechnology
5. Dr Ajit Kumar Srivastava, Professor In-Charge, Department of Physics

Student Office Bearers

POSITION	ROLE	NAME OF STUDENT	DEPARTMENT	SEMESTER
President	Student Lead	**Subham Raj**	**Biotechnology**	**II**
Vice President	Activity Coordination	**Harshika Raj**	**Biotechnology**	**II**
Secretary	Documentation	**Chandan Kumar**	**Botany**	**I**
Treasurer	Finance Management	**Suman Gupta**	**Chemistry**	**II**
Technical Head	Technical Activities	**Anjali Gupta**	**Biotechnology**	**II**
Media Coordinator	Publicity & Social Media	**Rishabh Kumar**	**Biotechnology**	**II**

9. Membership Details

Eligibility: Open to all interested students, teachers and staff of the college.

Membership Process

- Registration through department/club coordinator
- Annual membership (optional)

10. Resources Required

Requirement	Details
Venue	: Seminar Hall / Lab
Equipment	: Computers, Projector, Internet
Budget	: As per activity requirement
Software/Tools	: Relevant to club activities

11. Budget Proposal (Optional)

Item	Estimated Cost
Workshops	₹_____
Guest Sessions	₹_____
Competitions	₹_____
Certificates	₹_____
Miscellaneous	₹_____

12. NAAC Relevance

The proposed club supports:

- Student-Centric and Project based Learning : Corresponds to Attribute 5
- Research & Innovation : Corresponds to Attribute 9
- Student Participation & Skill Development : Corresponds to Attribute 1
- Best Practices & Institutional Values : Corresponds to Attribute 6
- Field Visits : Corresponds to Attribute 5

13. Outline of procedure to perform an activity in SEIC by respective departments.

Step 1: Conception of a complete, economic and relevant idea addressing a proper issue followed by preparation of detailed "Proposal for the Program/ Activity" at least before two weeks of the execution of the same.

Step 2: Approval of the proposal by all the Faculty Coordinator(s).

Step 3: Approval from the Patron and Chairperson of SEIC, in the form of Application requesting to conduct the program/activity on a proposed date, time and venue.

Step 4: Drafting and circulation a NOTICE in College Notice group, relevant whatsapp group(s) regarding the details of the approved program/activity. In case, if the program/activity could not be conducted for any reason on the proposed date, a NOTICE for reschedule/ cancel/ any other is to be processed without delay.

Step 5: During the day of program/activity, attendance of the participants, feedback from the participants, high resolution clear photographs, newspaper report needs to be collected and provided to the SEIC repository.

Step 6: A detailed report emphasizing the outcome of the program/activity needs to be submitted in **hardcopy to SEIC repository** and the same needs to be **emailed to our College Website Committee** (committee.website.ach@gmail.com).

14. Monitoring and Documentation

The club will maintain:

- Attendance records
- Activity reports
- Photographs
- Feedback forms
- Certificates
- Social media/publicity records
- Outcome reports

15. Conclusion

The establishment of the proposed club will significantly contribute to students' holistic development, skill enhancement, innovation culture and institutional quality initiatives. The club will actively support the college's mission and NAAC quality parameters.

Prepared by Faculty Coordinators :

Dr Sougata Sarkar (Botany) | Dr Baban Dey (Chemistry) | Dr Hiranmoy Kotal (Biotechnology) | (Physics) | Dr Akash Garain (Zoology)

Approved by :

IQAC Coordinator

Principal 24.05.2026