



**INSTITUTIONAL ASSESSMENT AND ACCREDITATION
(Effective from July 2017)**

Accreditation - (Cycle - 1)

**PEER TEAM REPORT ON
INSTITUTIONAL ACCREDITATION OF
SILAPATHAR SCIENCE COLLEGE
C-8394**

**Silapathar
Assam
787059**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission
P.O. Box No. 1075, Nagarbhavi, Bengaluru - 560 072, INDIA**

Section I:GENERAL INFORMATION

1.Name & Address of the institution:	SILAPATHAR SCIENCE COLLEGE Silapathar Assam 787059	
2.Year of Establishment	1996	
3.Current Academic Activities at the Institution(Numbers):		
Faculties/Schools:	1	
Departments/Centres:	7	
Programmes/Course offered:	2	
Permanent Faculty Members:	19	
Permanent Support Staff:	18	
Students:	893	
4.Three major features in the institutional Context (Asperceived by the Peer Team):	1. Located in rural area with three campuses 2. UG programs are affiliated to Dibrugarh University and PG programs are affiliated to Assam Science and Technology University. 3. Majority of students belong to tribal community and the percentage of girl students is high.	
5.Dates of visit of the Peer Team (A detailed visit schedule may be included as Annexure):	From : 24-02-2023 To : 25-02-2023	
6.Composition of Peer Team which undertook the on site visit:		
	Name	Designation & Organisation Name
Chairperson	DR. SUHAS PEDNEKAR	FormerVice Chancellor,UNIVERSITY OF MUMBAI
Member Co-ordinator:	DR. PROF. AMRITESH CHANDRA SHUKLA	Professor,University of Lucknow
Member:	DR. MYTHILI KETHAVARAPU	FormerPrincipal,GOVT COLLEGE FOR WOMEN SRIKAKULAM
NAAC Co - ordinator:	Dr. B.s. Ponmudiraj	

Section II: CRITERION WISE ANALYSIS

Observations (Strengths and/or Weaknesses) on each qualitative metrics of the key Indicator under the respective criterion (This will be a qualitative analysis of descriptive nature aimed at critical analysis presenting strength and weakness of HEI under each criteria)

Criterion 1 - Curricular Aspects (Key Indicator and Qualitative Metrics (QIM) in Criterion 1)	
1.1	Curricular Planning and Implementation
1.1.1 QIM	The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment
1.2	Academic Flexibility
1.3	Curriculum Enrichment
1.3.1 QIM	Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum
1.4	Feedback System

Qualitative analysis of Criterion 1

Silapathar Science College, Dhemaji District of Assam was established in 1996. The College is offering 6 B.Sc (Hon) ,1 B.Sc (Non Hons) and 2 M.Sc programmes. UG programmes are offered under Dibrugarh University affiliation, however P.G programs are offered under Assam science and Technology University, Assam. College effectively implements curriculum designed and developed by its affiliating Universities. The Institution has taken care of the good implementation of the curricula and completion of course from time to time. The IQAC, in consultation with the Heads of Departments has formulated a common lesson plan and keeps records of comprehensive report of classes conducted by the teachers. The College follows informal mentoring system whereby the progress of individual student is monitored. The system provides interface meetings with students whereby individual problems are identified and remedial measures are taken. For certain subjects, remedial classes and extra classes are held. IQAC prepares the Academic calendar at the beginning of each year in tandem with the Academic calendar prepared by the University to which the institute is affiliated. The Calendar serves as an important guideline to teachers who are expected to complete the syllabus within the stipulated time specified in the calendar. Continuous Internal Evaluation (CIE) system is in place. The dates for conduct of first and second are fixed in both odd and even semesters. The institute adheres to it unless there is unforeseen contingency. College offers a CBCS semester system for the last three years, for all programmes. College has not offered any add-on courses to the students during the last five years. Cross cutting issues relevant to environment, human values and professional ethics are included in the curriculum. The gender equity is well maintained in the college and the grievance of the girl students is adequately taken care of. Formal mechanism to take feedback on Curriculum from stakeholders needs to be developed.

Criterion2 - Teaching-learning and Evaluation (Key Indicator and Qualitative Metrics(QIM) in Criterion2)	
2.1	Student Enrollment and Profile
2.2	Student Teacher Ratio
2.3	Teaching- Learning Process
2.3.1 QIM	Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences using ICT tools
2.4	Teacher Profile and Quality
2.5	Evaluation Process and Reforms
2.5.1 QIM	Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient
2.6	Student Performance and Learning Outcomes
2.6.1 QIM	Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website and attainment of POs and COs are evaluated
2.7	Student Satisfaction Survey

Qualitative analysis of Criterion 2

The Student admissions are made as per the rules laid down by affiliating Universities and the state government. The statutory reservation is followed. The admission notification is published through print, digital and electronic media. It has a transparent admission process through admission committee and it adheres to inclusion policy. College sensitises its students on issues like gender, environment, and inclusion through various activities. Faculty identifies informally slow learners and advanced learners at the beginning of the academic year. They try to enable the slow learners' improvement by way of conducting tutorials, home assignments and self-study. The college has evolved various methods to make student centric learning like project based learning, field work, library work, etc. There are 19 permanent teachers and 8 teachers on contractual basis. The college has encouraged teachers to update their knowledge skills by nominating them to refresher courses, orientation courses, workshops etc. Permanent teacher recruitment process is as per PSC and college norms. Evaluation process framed by the affiliating university is followed by the college. Continuous evaluation and internal assessment of 20% is in practice in all programs. More automation needs to be introduced in examination process. The institution has registered good results in UG courses. The conduct of student satisfaction survey is evident and needs improvement. The drop out rate is very high. The programme specific outcome and course outcome need to be communicated to the students.

Criterion3 - Research, Innovations and Extension (Key Indicator and Qualitative Metrics(QIM) in Criterion3)	
3.1	Resource Mobilization for Research
3.2	Innovation Ecosystem
3.2.1 QIM	Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge
3.3	Research Publications and Awards
3.4	Extension Activities
3.4.1 QIM	Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.
3.4.2 QIM	Awards and recognitions received for extension activities from government / government recognised bodies
3.5	Collaboration

Qualitative analysis of Criterion 3

The college needs to introduce research culture by encouraging teachers to take up research guideship and to provide requisite facilities. No research projects or consultancy are in force. There are few publications in national and international journals. Faculty members have contributed papers in books. Through various cells, the college is taking unique initiatives like rice bank, Bio-floc, Vermicompost, Fish production centre, Orchid house to transfer of knowledge to student community and people of the neighbouring areas. This is appreciated that college has organised workshops and seminars funded by local authorities. College has created an ecosystem as best practice. The college has linkages, MOUs with the Institutions like Orchid Society of Assam, Rain forest Research Institution, Jorhat and Indian Institute of Entrepreneurship , Guwahati.

Good extension activities are carried out through NSS, different clubs ,about social evils and moral values. NSS received two award; one national and one state level. The college environment cell and Eco-Club, Aryabhata Science Centre, Environment Cell conduct plantation programmes and science awareness program at various places of communities to conserve indegenious plant species. For the extension activities, NSS unit of the college received appreciation letter from the district authorities. Students are proactive in providing voluntary services whenever natural calamities occur. More encouragement of the students is required to be involved in community activities. The college has applied for NCC unit.

Criterion4 - Infrastructure and Learning Resources (Key Indicator and Qualitative Metrics(QIM) in Criterion4)

4.1	Physical Facilities
4.1.1 QIM	Availability of adequate infrastructure and physical facilities viz., classrooms, laboratories, ICT facilities, cultural activities, gymnasium, yoga centre etc. in the institution
4.2	Library as a Learning Resource
4.2.1 QIM	Library is automated using Integrated Library Management System (ILMS), subscription to e-resources, amount spent on purchase of books, journals and per day usage of library
4.3	IT Infrastructure
4.3.1 QIM	Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection
4.4	Maintenance of Campus Infrastructure

Qualitative analysis of Criterion 4

The college is situated on 15.32 acres of campus with built up area of 3667 Sq Mt, has facilities to carry out curricular and co curricular activities including seminar halls, 18 class rooms, Science Labs, reading room, Wi-Fi facility and 36 cctv servilance. Class rooms are supported by green board, white boards for teaching purposes. For extra curricular activities, college has playground which needs to be well developed, and seminar hall gymnasium, yoga facilities are available for students. There is a rice bank with 251 varieties of rice (indegenous varieties), Bio-floc with six big tanks for fish production and conservation, three orchid temples as part of the course content. This is appreciated that library with N-list knowledge portal which gives access to e-books and journals, is partially automated SOUL 2.0 version. Library has 200 rare book collections and few manuscripts. Library has a corner named S.K. Borthakur study circle having 151 thesis, 500 books, 20 dictionaries and 40 seminar papers. Seating capacity in library needs to be enhanced. Computers with Internet facilities are available in the Library, however the number to be increased. The IT infrastructure inadequate with 60 computers, LCD Projectors, scanners, printers are also available for the college students

and staff members. College authorities are taking care of the maintenance of the buildings and surrounding campus. It needs to be further strengthened. They incurred an expenditure of Rs 5,00,000 towards maintenance of infrastructure during the last 5 years. Up-gradation of physical and academic infrastructure is needed. All science laboratories need to be equipped with new instruments.

Criterion5 - Student Support and Progression (Key Indicator and Qualitative Metrics(QIM) in Criterion5)

5.1	Student Support
5.2	Student Progression
5.3	Student Participation and Activities
5.4	Alumni Engagement
5.4.1 QIM	There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Qualitative analysis of Criterion 5

Scholarships and freeships to the students are available as per government norms. College continuously striving to enhance the capacity building and skills among students by taking activities like yoga, physical fitness, health and hygiene. Only 6 percent of the students are benefited by guidance of competitive examinations during last 5 years. The institution needs to have a transparent mechanism for redressal of student grievances. The progress of the students in UG is satisfactory. Fifteen students were qualified in National level examinations viz., NET, SLET, GATE. College has a Students Union to promote leadership qualities among students, and students are nominated in different Academic and Administrative Committees like sports, NSS, Eco Club and Cultural Clubs. They have organised few cultural activities and sports during the last five years. Students received four awards for their outstanding performances in sport and cultural activities during last five years. College has an Alumni Association and recently got registered. The association contributed some financial support to the college. Students and alumni are the stakeholders in the feedback system. The college needs to provide indoor sports facilities to the students.

Criterion6 - Governance, Leadership and Management (Key Indicator and Qualitative Metrics(QIM) in Criterion6)	
6.1	Institutional Vision and Leadership
6.1.1 QIM	The governance and leadership is in accordance with vision and mission of the institution and it is visible in various institutional practices such as decentralization and participation in the institutional governance
6.2	Strategy Development and Deployment
6.2.1 QIM	The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, deployment of institutional Strategic/ perspective/development plan etc
6.3	Faculty Empowerment Strategies
6.3.1 QIM	The institution has effective welfare measures and Performance Appraisal System for teaching and non-teaching staff
6.4	Financial Management and Resource Mobilization
6.4.1 QIM	Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)
6.5	Internal Quality Assurance System
6.5.1 QIM	Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Qualitative analysis of Criterion 6

College has well defined vision and mission, it enlightens and empowers the student community of Silapathar, through various activities. The college offers support to the needy students through organisational structure. Since the institution is provincialized in 2021, it follows the UGC and Assam Government Rules and Regulations regarding organisational and administrative set up. College, has encouraged to develop the leadership qualities among the staff and students through nominated them in various committees. The college organises some programmes like computer training and pedagogical training programmes for the benefit of teachers. The institution has a system for regular Performance Appraisal system for teaching staff. State government service rules are followed in case of non teaching staff. Welfare schemes include PF, Interest free festival advance, Maternity and paternity leaves . Internal audit was conducted by college and external audit needs to be conducted by AG office, periodically. The College has structured IQAC and is involved in channelizing the quality maintenance, sustenance and enhancement. Some meetings were also conducted by the IQAC during the last 5 years .The IQAC needs to be further strengthened.

Criterion7 - Institutional Values and Best Practices (Key Indicator and Qualitative Metrics(QIM) in Criterion7)	
7.1	Institutional Values and Social Responsibilities
7.1.1 QIM	Measures initiated by the Institution for the promotion of gender equity and Institutional initiatives to celebrate / organize national and international commemorative days, events and festivals during the last five years
7.1.4 QIM	Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic diversity and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)
7.2	Best Practices
7.2.1 QIM	Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual
7.3	Institutional Distinctiveness
7.3.1 QIM	Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Qualitative analysis of Criterion 7

The college gives high priorities on gender equity programs through various issues like women health, nutrition, hygienic, domestic violence etc. College has a small ladies waiting room with a washroom facility which needs to be further strengthened. Usage of Plastic bags are discouraged. E-waste management does not arise as college has limited e-resources. College depends on alternate source of energy and took adequate measures for water conservation. Green audit, energy audits are in practice. Institute organises ID, RD, Gandhi Jayanthi, Women's day, Vivekananda birth anniversary, teachers' day, and National science day to inculcate National spirit among students. College adopts one village and five schools to spread the message regarding environmental protection, health awareness, and scientific thinking. The college has reported two best practices- 1) Orchid temple 2) Meditation cum personality development cell. Through orchid temple, initiatives are taken for the student community to expertise in the field of orchid conservation and propagation as well as maintained 85 orchid species. Through meditation cum personality development cell, practices are made to overcome mental stress and anxiety, conflicts and complexity.

Section III:OVERALL ANALYSIS based on Institutional strengths,Weaknesses,Opportunities & Challenges(SWOC)(up to 500 words)

Overall Analysis

Strength:

1. Cater to the needs of students from rural area.
2. More number of girls students enrolled in the college
3. Majority of the teachers are Ph.D holders.
4. Teaching and non-teaching staff are committed and good work culture exists.
5. 3 campuses with good land area for further expansion.
6. Transport facility for students.

Weaknesses:

1. Inadequate infrastructure.
2. Single stream Institution.
3. Limited number of degree programmes.
4. Absence of career guidance with placement cell and counselling centre.
5. Lack of Research and innovation culture.
6. Absence of Academic and administrative Audit.
7. Absence of NCC wing.
8. Absence of Boys hostel.

Opportunities:

1. To strengthen and enhance the infrastructure.
2. Introduction of job oriented programmes including more P.G Programms.
3. Availability of land for expansion.
4. Cater to the needs of more socio-economically disadvantaged students.
5. To attract students from neighbouring areas/ states.
6. Scope for multidisciplinary education as per NEP 2020.

Challenges:

1. Successful implementation of NEP2020.
2. Adoption of modern ICT-based Teaching, Learning Methodologies (TLMs).
3. Resource mobilisation for research and development.
4. To establish institute -industry collaboration.
5. Reduction of dropout rate.

Section IV: Recommendations for Quality Enhancement of the Institution

(Please limit to **ten major ones** and use telegraphic language) (It is not necessary to indicate all the ten bullets)

- 1) New degree programs in emerging areas of relevance at UG and PG levels, skill oriented add on courses with inter disciplinary approach to be introduced.
- 2) Language Laboratory be established with certificate courses in communication skills.
- 3) All Laboratories be upgraded with latest equipment and instruments. Facilities in girls hostel, girls and boys common room and gymnasium be improved.
- 4) Library be strengthened, automated and sitting capacity be increased.
- 5) Research and innovation culture be introduced by providing seed money and required infrastructure.
- 6) Active collaboration be enhanced with other academic institutions and industries.
- 7) Separate Grievance redressal Cell for Teaching and Non-teaching staff to be established. However, career guidance cell, counselling and placement cell for the benefit of students is required.
- 8) Indoor sports facilities be added along with improvement of outdoor sports facilities.
- 9) Medical checkups, group insurance for staff and students be introduced.
- IQAC be strengthened to initiate the successful implementation of NEP 2020.

I have gone through the observations of the Peer Team as mentioned in this report

Signature of the Head of the Institution

Seal of the Institution

Sl.No	Name		Signature with date
1	DR. SUHAS PEDNEKAR	Chairperson	
2	DR. PROF. AMRITESH CHANDRA SHUKLA	Member Co-ordinator	
3	DR. MYTHILI KETHAVARAPU	Member	
4	Dr. B.s. Ponmudiraj	NAAC Co - ordinator	

Place

Date