



# **SELF STUDY REPORT**

**FOR**

**1<sup>st</sup> CYCLE OF ACCREDITATION**

**SILAPATHAR SCIENCE COLLEGE**

**AMRITPUR, SILAPATHAR**

**787059**

**<https://silapatharsciencecollege.ac.in>**

Submitted To

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**October 2022**

# **1. EXECUTIVE SUMMARY**

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## **1.1 INTRODUCTION**

Silapathar Science College, a premier seat of higher education offering science education in the Northern Bank of the mighty Brahmaputra, is situated at Silapathar, the gateway to Likabali, Along, Daporijo of Arunachal Pradesh, one of the picturesque states of the North-East – is a small township and a business hub of the Dhemaji District in Assam. Located at Amritpur, away from the din and bustle of busy urban life, the main campus of the institution, set amidst a picturesque rural setting with a hazy view of the Himalayan ranges towards the north, is in Amritpur, 2 km away from the Silapathar town with a campus size of more than 12 Bighas. Campus No.2 and Campus No.3 of the college are located respectively at Gandhi Nagar, Silapathar comprising of 5 bighas of land with many varieties of valuable plants and at Milanpur, Likabali encompassing a plot measuring 22 bighas of land, where multi-faceted plantations are done by our students for accumulation of first-hand practical knowledge regarding sustainable development. Also, certain research based experimental plantation are also being done in collaboration with Rain Forest Research Institute (RFRI), Jorhat.

The college was founded in 1996 by a group of zealous and farsighted educationists as well as social activists. While preference is shown to the educational and cultural needs of the tribal community, admission is open to all irrespective of caste, creed and nationality. Initially, the college began with 31 students and 5 staff members at Silapathar College. In 1998 it was moved to its present location at Amritpur where infrastructural expanse began to emerge, through the generosity of a cluster of patrons. The land required for the institution was made available by Amritpur Sarvadaliya Naamghar committee, who generously handed over 5 Bighas of land to the College authority. The missionary zeal, unflinching endeavor and sacrifice of some prominent local people and whole hearted devotion of teachers and the management has brought the college to its present state of dignity.

At present, we offer Bachelor of Science (BSc.) programmes (Honours and Non-honours) at the Under graduate level under Dibrugarh University and Master of Science (M.Sc.) programme (Botany and Zoology) at the Post Graduate level under Assam Science & Technology University (ASTU). It is permanently affiliated to Dibrugarh University for UG level and temporarily affiliated to ASTU for PG level Courses. It is recognised under Clauses 2(f) and 12(B) of the UGC Act 1956.

The college was established to act as a symbol of hope and change in this far-flung tribal, rural and Assam - Arunachal border region of the District. This premier institution took up the cudgels to convey the aspirations of a deprived society, particularly in the field of science education.

Since then, the College has continuously ventured to negotiate the path of vertical and horizontal expansion in its supreme goal of dissemination of knowledge and in so doing, has now even stepped in to the increasingly digitized and competitive world in an effort to raise the standards and to keep pace with the changing times.

### **Vision**

**To provide equitable and accessible scientific as well as traditional knowledge-based education for developing human excellence.**

### **Mission**

**To impart skill-oriented value-based education in order to imbibe scientific temperament and promote societal accountability and economic sustainability.**

## **1.2 Strength, Weakness, Opportunity and Challenges(SWOC)**

### **Institutional Strength**

1. Qualified, Trained and technology enthusiast faculty
2. Continuous and comprehensive evaluation
3. Inquisitive Students
4. Free Internet
5. Online Library facility for students (NLIST)
6. Serving the unheard population/region of the country
7. 3 Campuses with adequate land area for expansion
8. Meditation and Personality Development Cell of the College is a unique attempt of the college which can be the model for all the HEIs of the country
9. Rice Bank established in the institute towards conservation of indigenous varieties of rice
10. The Temple of Orchids established for conservation and propagation of indigenous Orchid varieties
11. College Bus service provided to ensure better attendance of the students from far flung places
12. Bio-Floc is being setup

### **Institutional Weakness**

1. Geographical isolation
2. Situated in the flood prone area
3. Limited number of teachers with regularized service.

4. Dependency on contractual teachers
5. Single Stream College (Science)
6. Being an isolated area the institute is unable to afford to bring Guest Faculties
7. Weakest financial background of students
8. Lack of industries and allied institutions nearby
9. Lack of infrastructure for expansion
10. Lack of language lab to enhance the communicative capability of the students

### **Institutional Opportunity**

1. To start new programs of studies like Ethno/traditional medicines owing to the scattered Bio-diversity of the area
2. To enhance employment and placement avenues
3. To prepare students in line with the developed places in india
4. Fusion elements in culture, music, traditional knowledge can be studied owing to the diversity of students.
5. Unknown to the world, hidden traditional knowledge laying scattered throughout the region can be focused for further studies.
6. To setup tissue culture lab and work for the conservation of indigenous rice varieties and Orchids
7. To setup laboratories to study the accumulated information on traditional medicines gathered by students from various sources.
8. To emerge as a strong HEI with the small step paved in introducing PG courses
9. With state-of-art sports infrastructure we envision to give the country some best sports person
10. To make the institution one of the best in the region

### **Institutional Challenge**

1. To overcome the barriers owing to geographical isolation by giving the students the state of art facilities.
2. Enhancing placement /employment avenues

3. To enhance the confidence level of students basically in terms of communication.
4. To establish institute-industry collaboration

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

Silapathar Science College, affiliated to Dibrugarh University, Assam follows the curriculum for degree course as authorized by the university. The institution also offers postgraduate course and is affiliated to Assam Science and Technology University (ASTU) Guwahati. The institution has developed a well designed prospectus that provides all necessary details about the college and enable the students to make informed choices. For effective curriculum delivery and classroom activities, all the respective departments prepare their course plan and class routine. Classroom teaching and learning methods range from the chalk and board technique to the use of ICT tools. The HODs observe the progress of the allotted course and classes at times and the periodic progress are also discussed within the departments. To make the curriculum more interesting and effective, field studies, project work, research work, internship and excursions are conducted by the concerned departments as prescribed in the Dibrugarh University syllabus. Learning assessment employs approaches like, sessional examinations, seminar presentation, group discussions and writing assignments that precede the end semester examination. Along with classroom teaching and learning process, institution also involves in some programmes for students personality development, cognitive skill, as well as for the welfare of the society like cultural and literary activities. The institution encourages the faculty members to go for research and to participate in workshops, orientation, refresher courses, seminars, etc. The college monitors learning, obtains formative feedback on the curriculum from the students is taken and analyzed followed by necessary corrective measures wherever necessary.

### **Teaching-learning and Evaluation**

**Silapathar Science College** follows a very strict and transparent mode in admission process and follows all the rules and regulations as provided by Dibrugarh University. The institution adopts a wider framework of the curriculum for BSc. (Honours and non-Honours) as prescribed by the parent University. The institution adopts a continuous evaluation and monitoring system through various assessments (Internal, Assignments, Seminars, Group Discussions, Field Study etc.). The college also adopts various student-centric methods to inspire the students for active participation in various socio- economic and scientific activities. Extension activities organised through different groups (Students' Union , NSS, ASC, ECO-CLUB etc.) contribute towards the upliftment of the society. The students are encouraged to participate in various extra-curricular activities like sports, cultural activities, youth festivals organised at University level, quiz competitions, debate, publishing annual Magazines, departmental magazine, wall magazine etc. The college also organises departmental workshops, seminars, lectures provided by eminent persons from time to time to enhance the academic knowledge of the students. The college is also empowered with Women Empowerment Cell, Eco Club etc. to work for gender sensitization, environment sustainability, human values and professional ethics which foster human values and thereby yielding good citizen.

### **Research, Innovations and Extension**

## **Research, Innovations and Extension**

Silapathar Science College gives equal importance on research and development with other academic activities. To inculcate an interest in the students and the faculty for the same, efforts are constantly made. From time to time the college organises UGC sponsored national seminars/hands on training and workshops. Around 36 research papers and approximately 22 published and edited books have been contributed by our faculty members in science disciplines during last 5 years. The college has established a Study Circle in the honour of Professor S. K. Borthakur, Retd. Prof., Department of Botany, Gauhati University, who has donated more than 500 Doctoral Theses and book Collections and are readily available to the students as well as researchers. For enhancement of research quality work, the college has signed an MoU with the central government research institute namely Rain Forest Research Institute (RFRI), Jorhat. Presently, RFRI is conducting experimental trial on two species of commercially important plant i.e. *Melia confuse* and *Aqualiria malaccensis*.

The college has a Research Committee (RC) in order to extend research works and check malpractices and plagiarism in research and to ensure good quality publications. A separate Internal Research Committee (IRC) is constituted to look after the research projects conducted by Post Graduate students of Botany and Zoology. Various wings of the college i.e. National Service Scheme(NSS), Eco-Club, Rice Bank, Orchid House, College Environment Cell provide a unique platform for the all round development of the students. Extension activities like tree Plantation, clean drive, awareness programme for conservation of nature, rallies and field tours / exposure tour have been conducted to overall development of students community. Rice Bank and Orchid Temple organises rice exhibition, workshop and awareness programme in connection with protecting the indigenous rice varieties and wild orchids of the area. Orchid Temple has signed an MoU with state level NGO 'Orchid Society of Assam' to conduct more extensive programme of wild orchid conservation.

## **Infrastructure and Learning Resources**

There are several departmental class rooms, departmental laboratory, computer laboratory, conference hall (under construction), guest house (under construction), PG laboratory (under construction) have their own well equipped auditorium. The institution has been constantly upgrading the infrastructure in the last few years to keep pace with increasing demand and additional requirements with financial assistance from UGC XI & XII Plan Grant, MAC, MP Fund, MLA Fund, Municipal Board etc.

The research and computer labs are equipped with state of the art equipment and technology. The institution has invested substantially over the last few years to improve the class room and laboratory and library infrastructure, books, journals and online resources for teaching. Every department's has its own small library. The library staffs also impart training to students in the use of e-resources. Lab technician periodically maintains all the equipments. The library of the institute has 5300 number of books and periodicals..

Recent additions to infrastructure include Orchid House, Rice Bank, Bio-Floc, PFC, NIELIT, Skill Development Centre, PG Class Room and Laboratory, Women Hostel, Aryabhatta Science Building, MPDC Building, Bike Stand, Cycle Stand, well equipped College Gate with security, Canteen, and also College Bus

for student's transportation.

The OFC of Rail wire bandwidth is enhanced from 100 MBPS to 250 MBPS over last few years, and Wi-Fi Access Points is connected, and about 3 numbers are deployed across the campus in both academic blocks and library for 24x7 internet service for enabling students faculties to stay connected and access the academic content, anywhere in the campus. In addition, there are 12 Epson, Canon, HP DeskJet printers in the administrative block. The College uses 3 LCD projectors, 1 in the IQAC room and 2 in the PG (M.Sc.) branch and these are used in the teaching block.

All the members of the institution are eligible to get library membership. Library users have to register their details in the entry register, whenever they visit. Faculties, staffs, students, research scholars of the institution need to fill up library membership form with the certification of authorities

### **Student Support and Progression**

Education is the fulcrum to actualize human potential in this rapidly changing world landscape. In this direction, Silapathar Science College, with its enrolment of 893 students (as of June,2022) is committed towards accomplishing the following visions:

- Imparting highest quality education to its students and bringing them at par with the world.
- Providing quality teaching and guidance to the diverse student community and enabling them to realize and utilize their potentials and creativity to the fullest.
- Providing best possible classroom environment, strong student-teacher relationship and an enhanced campus life.
- Providing strong support services to the students towards successful completion of degrees as well as successful career advancement and employment opportunities.
- Promoting continuous educational innovations, creative expressions and artistic productivity by fostering a vibrant knowledge-based atmosphere.

The institution takes every possible step to promote excellence in education and create an effective human resource and infusing creative spirit among the learners and explore their talents and abilities. Moreover, the students are equipped with the skills of learning, communication, self study and self analysis. The institution acknowledges that Science, without promotion of innovative methods of teaching-learning and evaluation would be very dull. Hence, students are enlightened on different virtues and values of life, thereby creating morally and socially committed noble citizens.

The institution also renders academic and financial assistance to the socially, economically and academically disadvantaged students of the society and takes initiative that such students are benefitted with the government schemes.

Moreover, the institution offers Post-Graduate Programme in two subjects viz., Botany and Zoology. The institution also provides a Diploma Course in Information Technology (DIT).

It has to be noted that number of students pursuing higher education and getting suitable employment has increased over the years. The institution encourages active participation of students in various policy making bodies like the IQAC, admission committee, students' union, election committee etc. The alumni have also contributed significantly in terms of infrastructure like construction of Toilets, Bike Stand, college entrance road and Rest House of Botanical Garden. In addition to that the ex-students get actively involved in various events of the college.

### **Governance, Leadership and Management**

Silapathar Science College follows a planned organizational structure with a neatly defined organizational hierarchy. For effective decision-making, policy adoption and strategy development, the institution favours a decentralized and participatory management system. The functioning of the institution is in-compliance with the direction and norms of all its statutory bodies. The institution has effective welfare measures for the teaching and Non-teaching staff. The management motivates the faculty to participate in seminars, workshops, conferences etc and to enroll as members in professional bodies to remain up-to-date. The quality and work efficiency of the staff is assessed by the performance appraisal system. The college has the mechanism for internal and external financial audit. The college infuses team spirit and cooperation among the students through various curricular as well as co-curricular activities, wherein participation of the students is assured by the Students' Union Body.

The Governing Body, through its decision in all policy and planning, supervises the smooth functioning of the administration and academic well-being of the college. The College Construction Committee monitors the infrastructural development of the college. The college maintains several accounts which are audited by certified agencies from time to time.

The IQAC of the college was established in the year 2013. The IQAC takes care of the regular planning and execution of the quality initiative and quality assurance initiative measures adopted and implemented by it. The main task of the IQAC is to effectively plan all quality measures to sustain and enhance quality in all the activities of the institution.

### **Institutional Values and Best Practices**

Silapathar Science College is always committed towards institutional values and best practices. As a co-educational science institute, the college constantly endeavours to generate and implement "Best Practices" to strengthen the institutional quality. The college pays primary importance in generating student's interest in learning and achieving excellence in teaching and learning process. The college has initiated several sustainable practices. The college's best practices "Meditation and Personality Development Cell" and "Orchid House" aim at all round development of the students through yoga & meditation and aware & propagate orchids respectively. The college is a plastic free green campus and produces minimal waste.

The college has organised a number of programmes to promote both the genders such as mother awareness programme, carpet preparation training, pickle preparation training, motivational class for personality development. Women cell, Grievance Cell, Anti Ragging Committee have been playing active role to solve various issues of the students.

The college organises various national and international commemorative days and festivals such as Republic



Day, Independence Day, National Science day, International Yoga Day, Gandhi Jayanti, Saraswati Puja, World Environmental Day, Teachers' Day, International Women Day, World Bamboo Day etc. with great enthusiasm. The college celebrates Saraswati Puja, Rabha Divas, Shilpi Divas, Orchid Festival, Freshmen Social, Farewell etc. to provide an inclusive environment with tolerance and harmony towards cultural, regional, linguistic, communal and socio-economic awareness.

The college uses garbage bin to collect the solid waste for cleanliness and good environment. The main source of energy of the college is electricity. The college always tries to reduce energy consumption and uses energy efficient LED bulbs. As a higher science institution, Silapathar Science College is always not only committed towards science education but also human values, ethics and social responsibilities.

## 2. PROFILE

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### 2.1 BASIC INFORMATION

<b>Name and Address of the College</b>	
Name	SILAPATHAR SCIENCE COLLEGE
Address	AMRITPUR, SILAPATHAR
City	Silapathar
State	Assam
Pin	787059
Website	<a href="https://silapatharsciencecollege.ac.in">https://silapatharsciencecollege.ac.in</a>

<b>Contacts for Communication</b>					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Ranjit Saikia	03753-246913	9954422019	-	silapatharsciencecollege@gmail.com
IQAC / CIQA coordinator	Partha Nath Dutta	03753-246912	8638023421	-	duttapartha01@gmail.com

<b>Status of the Institution</b>	
Institution Status	Government

<b>Type of Institution</b>	
By Gender	Co-education
By Shift	Day

<b>Recognized Minority institution</b>	
If it is a recognized minority institution	No

<b>Establishment Details</b>

State	University name	Document
Assam	Assam Science & Technology University	<a href="#">View Document</a>
Assam	Dibrugarh University	<a href="#">View Document</a>

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC	13-06-2007	<a href="#">View Document</a>
12B of UGC	22-10-2010	<a href="#">View Document</a>

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
No contents				

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	AMRITPUR, SILAPATHAR	Rural	15.32	3667

## 2.2 ACADEMIC INFORMATION

<b>Details of Programmes Offered by the College (Give Data for Current Academic year)</b>						
<b>Programme Level</b>	<b>Name of Programme/Course</b>	<b>Duration in Months</b>	<b>Entry Qualification</b>	<b>Medium of Instruction</b>	<b>Sanctioned Strength</b>	<b>No.of Students Admitted</b>
UG	BSc,Three Years Bsc Programme In Major With Zoology	36	HS	English	65	65
UG	BSc,Three Years Bsc Programme In Major With Subject Anthropology	36	HS	English	65	28
UG	BSc,Three Years Bsc Programme In Major With Subject Mathematics	36	HS	English	100	87
UG	BSc,Three Years Bsc Programme In Major With Subject Physics	36	HS	English	65	29
UG	BSc,Three Years Bsc Programme In Major With Subject Botany	36	HS	English	65	65
UG	BSc,Three Years Bsc Programme In Major With Subject Chemistry	36	HS	English	65	59
UG	BSc,Bsc	36	HS	English	25	0

	Programme In General With Sub English Physics Chemistry Mathematics Zoology Botany Anthropology					
PG	MSc,Msc In Botany	24	BSc. Botany	English	25	14
PG	MSc,Msc In Zoology	24	BSc. Zoology	English	15	15

### Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				19			
Recruited	0	0	0	0	0	0	0	0	12	7	0	19
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	0				0				9			
Recruited	0	0	0	0	0	0	0	0	8	1	0	9
Yet to Recruit	0				0				0			

<b>Non-Teaching Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				18
Recruited	13	5	0	18
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				6
Recruited	4	2	0	6
Yet to Recruit				0

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

### **Qualification Details of the Teaching Staff**

<b>Permanent Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	12	4	0	16
M.Phil.	0	0	0	0	0	0	5	0	0	5
PG	0	0	0	0	0	0	3	4	0	7
UG	0	0	0	0	0	0	0	0	0	0

<b>Temporary Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	1	1	0	2
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	7	3	0	10
UG	0	0	0	0	0	0	0	0	0	0

<b>Part Time Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

<b>Details of Visting/Guest Faculties</b>					
<b>Number of Visiting/Guest Faculty engaged with the college?</b>	<b>Male</b>		<b>Female</b>		<b>Total</b>
	0	0	0	0	0

**Provide the Following Details of Students Enrolled in the College During the Current Academic Year**

<b>Programme</b>		<b>From the State Where College is Located</b>	<b>From Other States of India</b>	<b>NRI Students</b>	<b>Foreign Students</b>	<b>Total</b>
<b>UG</b>	Male	495	3	0	0	498
	Female	337	2	0	0	339
	Others	0	0	0	0	0
<b>PG</b>	Male	17	0	0	0	17
	Female	39	0	0	0	39
	Others	0	0	0	0	0
<b>Diploma</b>	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0



<b>Provide the Following Details of Students admitted to the College During the last four Academic Years</b>					
<b>Category</b>		<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>
SC	Male	39	22	46	39
	Female	15	14	13	18
	Others	0	0	0	0
ST	Male	336	278	299	262
	Female	133	135	98	145
	Others	0	0	0	0
OBC	Male	222	238	162	143
	Female	67	113	85	103
	Others	0	0	0	0
General	Male	14	6	46	11
	Female	12	6	13	17
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	12	0
	Others	0	0	15	0
<b>Total</b>		<b>838</b>	<b>812</b>	<b>789</b>	<b>738</b>

### **Institutional preparedness for NEP**

<p>1. Multidisciplinary/interdisciplinary:</p>	<p>Silapathar Science College, Silapathar marches forward with the vision to provide equitable and accessible scientific as well as traditional knowledge – based education for developing human excellence. The mission is to impart skill oriented value based education in order to imbibe scientific temperament and promote social accountability and economic sustainability. The goals are to impart quality education, facilitate and promote Faculty Development Programmes from time to time to ensure quality faculties, development of state-of-art infrastructure to enlighten scientific temperament among the students of this region, physical and mental growth development based curriculum to be</p>
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	<p>introduced for all round development of the students, development of sports infrastructure and facilities for physical well-being, development of new curriculum on Moral education, Meditation, Counseling, Yoga etc. for mental and personality development, introduction of certificate course on skill enhancement, introduction of traditional knowledge based education through (1) collection of community based traditional knowledge, (2) collection of traditional based medicinal practice, (3) cultural based traditional knowledge and (4) nature based traditional knowledge.</p>
<p>2. Academic bank of credits (ABC):</p>	<p>The design and length of the degree programmes offered by Silapathar Science College will be adjusted accordingly depending upon the courses. The undergraduate degree will be duration of 3 years with multiple exit options within the study period. After the completion of first year, the student will be offered “Certificate” instead of degree. After the 2nd year completion, He or She will be offered with ‘Diploma’ Certification. The ‘Degree’ will be awarded only after completing 3years Programme. After the completion of 4 years Programme He or She would be awarded with ‘Degree with Research’ certification as the student earns the corresponding degree after rigorous research project in their major areas of study. During the course of the study, the credit score earned by the student in different Higher Education Institutes (HEI) would be stored in Academic Bank of Credit (ABC). The Academic Bank of Credit is a digitally stored data of credits earned by the student while studying various HEIs where the final credit score would be evaluated only after taking into considerations all credit score earned in different HEIs. For this purpose, the college will follow the instruction of parent University (Dibrugarh University)</p>
<p>3. Skill development:</p>	<p>The College has introduced a curriculum based on Conservation of Natural Resources &amp; Sustainable Development by the introduction of awareness Programme for Poba Reserve Forest, Massive Plantation Programme has been undertaken in Botanical Garden which serves as an experimental plot under Silapathar Science College by Students, locality and departments in collaboration with RFRI, Jorhat where plantation of Melia sp. (Agarwood) has been carried out on large scale. The introduction of</p>

	<p>Community Development through local engagement programmes by Cutting - Knitting Industry, Electrical Wiring Courses, adoption of six villages for social upliftment has been carried. Plantation of Bogori (JUJUBE) trees and lemon trees and food processing programmes has been started for the socio economic development by planting economically important plants.</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>Our ancient education system focused on the holistic development of the individual and emphasized on values such as humility, truthfulness, discipline, self-reliance and respect for all creations. It is enthralling to see that the NEP 2020 has recognized the glorious past of ancient India. Silapathar Science College also marches towards with the similar mindset and strives to offer traditional knowledge as much as possible. Keeping this in mind, our college has signed a Memorandum of Understanding (MoU) between the two departments (Departments of Botany and Chemistry) for collaborative study of traditionally used herbal medicine. The main objective is to collect the traditionally used herbal medicinal plants from the vicinity of the area and chemical analysis of the plants and data maintenance of its importance and uses in different diseases. The College would invite an experienced AYUSH HERBAL PRACTITIONER, Lambudhar Barpatra Gohain appointed as Practitioner of Ayurvedic Medicine who would be visiting thrice a week to the college for delivering lectures, identifying the different medicinal plants collected by the students and providing Ayurvedic medicine to the students and localities. The joint study by the departments will greatly inspire the students to come forward for such collection and study of traditionally maintained medicinal plants. This will further promote the scientific use of AYURVEDA.</p>
<p>5. Focus on Outcome based education (OBE):</p>	<p>The Institution plans for offering a multidisciplinary flexible curriculum that enables multiple entry and exists for next years of undergraduate education while maintaining the rigor of learning with the plans that – (i) The College will strive to attain Autonomous position, (ii) To upgrade all the UG departments to PG level, (iii) To introduce all streams in the campus, (iv) To develop infrastructures both Academic and Administrative blocks, (v) Introduction of International Research Hub</p>

	<p>(Biological Sector), (vi) To develop state-of-art Sports Facility, (vii) Construction of Sound Proof Auditorium for cultural event, (viii) Medicinal plants Hub (Medicinal Plants cultivation and Processing), (ix) Establishment of Bio – Anthropological Museum (x) To create good academic environment. (xi) To create scientific temperament among the student community in the neighbouring area (school students) an Aryabhatta Science Centre is established in the College premises. (xii) For moral development, College has set up a meditation and personality development cell. (xiii) There is a Study Circle Centre of an eminent Ethno Botanist, Professor S.K. Borthakur whose research interest expands to Economic Botany, Conservation Biology, etc donated his lifelong collection of thesis, journals and books to this College has provided a base for research activities on Botany and Allied subjects. (xiv) The College has a rice bank of indigenous 251 varieties collected in a room for preservation and research activity. (xv) There is an Orchid Park established to preserve and propagate the local variety of Orchids. (xvi) The College has set up six numbers of Biofloc tanks, of 10,000 litres each to facilitate training and production of fish.</p>
6. Distance education/online education:	<p>Silapathar Science College always strives to inculcate a scientific temperament among the students. Think Scientifically, Act Scientifically is the main motto of the institute. The College has taken an appreciable amount of task to deliver knowledge both in conventional (offline) and in online mode during the Corona period. Online mode knowledge transmission was carried out through Google Classroom, Whatsapp and other digital mode to synchronize with the present scenario. The college will try its level best to deliver the best form of education. The college is always prepared to cope up with any circumstances in the future.</p>

### Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes, Electoral Literacy Club (ELC) has been setup in the College in the month of January 2021.
2. Whether students' co-ordinator and co-ordinating	Yes, Students' coordinator and coordinating Faculty

<p>faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?</p>	<p>members are appointed by the college vide circular No SSC/Cir/2021/4293 (A) dated 19th January 2021. Yes ELC of Silapathar Science College is actively functional. ELC representatives are functional in character.</p>
<p>3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.</p>	<p>Following innovative programmes and initiatives are taken by ELC, Silapathar Science College - 1. Students Voluntary contribution in Electoral process -participation in voter registration of students and communities. 2. Voter awareness campaign 3. Voluntary help of disabled persons and senior citizens</p>
<p>4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.</p>	<p>No such relevant project or initiatives taken by college.</p>
<p>5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.</p>	<p>Electoral Literacy Club (ELC), Silapathar Science College aware its students above 18 years to be enrolled as voters in the electoral roll accordingly letters received from District Election Officer, Dhemaji, Assam.</p>

## Extended Profile

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### 1 Students

#### 1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
893	794	779	845	846

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 2 Teachers

#### 2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 28

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

#### 2.2

Number of teaching staff / full time teachers year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
28	27	28	26	25

### 3 Institution

#### 3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
95.64	90.23	65.56	112.58	102.22



## 4. Quality Indicator Framework(QIF)

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### Criterion 1 - Curricular Aspects

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#### 1.1 Curricular Planning and Implementation

##### 1.1.1 The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

###### Response:

The institution is co-educational and affiliated to Dibrugarh University, Dibrugarh, a state university of Assam and follows the curriculum for degree programme as authorize by the university. The institution also offered the postgraduate course (Botany and Zoology).

###### Planning

1. Following the Dibrugarh University Academic Calendar, the academic session of the institution starts and issues prospectus where detailed information about the courses to offer, the fee structure, faculties, departments etc. is incorporated.
2. The college prepares a tentative Academic Calendar for UG and PG Courses in every year.
3. Academic council prepares the daily class routine and distributed it into the respective departments.
4. HoD of the respective department distributes the syllabus among the teachers their syllabus before the commencement of the classes. WhatsApp groups are also created semester wise. The HoDs observe the timely progress of the allotted course and takes necessary action accordingly.
5. The institution has formed examination committee, both for UG and PG programme where AOC and assistant AOC have smoothly adopted all the rules and procedures of the University.
6. The evaluation system has two parts, i.e., Continuous Internal Evaluation (20%) includes two In-Semester examinations and conducting Seminar presentation, group discussion, home assignments of the subject concerned and the End Semester Examination (80%) is conducted by the examination committee. In PG Programme In- semester examination is conducting as Model theory and Model practical examination.
7. The faculties of UG and PG departments prepare question papers for In-Semester examination and conduct seminar presentation, group discussion, and home assignment etc. every year. After evaluation the marks of the internal assessment are displayed in the departmental notice board so that students can get a chance to know about their performance.
8. UG and PG Programme having project work, field trips etc. supervised by concerned faculty and encourages the students for preparation and completion of their project work. PG final semester students have to do the research work in other University under the guideship of department's teacher.
9. The institution also conducts inter-departmental competitions like departmental wall magazines, green competition and other cultural activities to develop the students' cognitive skill as well as social conscience.
10. The institution has a well-stocked library, ICT infrastructure. All the departments have computer desktop with internet connectivity for their use.
11. MPDC was established for the personality development of students and college authority invites eminent resource persons from various field to talk on current topics to encourage them.
12. The head of the institution (Principal) encourage and facilitate the teachers' participation in



workshops, orientation, refresher, short term courses, seminars, conferences.

13. Almost all the departments have their small departmental library; try to meet the demands of the students as well as of the faculties.
14. The institution has established a “**S. K. Borthakur Study Circle**” to preserve the donated books, Thesis, Journals, Yearbooks etc,
15. Institute has established ‘**Rice Bank**’, ‘**Orchid Society of Assam**’, ‘**Biofloc**’ to conserve and culture different varieties of rice, orchid and fish.
16. The institution organizes various programme and awareness drives among the students through its various wings such as IQAC, Women Cell, NSS, Students Union, MPDC, Eco-Club and Anti-Ragging Committee etc.
17. The institution has formed some committees like Academic Council, Examination committee, Anti-Ragging committee, Hostel committee, Research and Development committee and all these committees play a vital role for the progression of the institution.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 1.2 Academic Flexibility

### 1.2.1 Number of Add on /Certificate/Value added programs offered during the last five years

Response: 1

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 1.2.2 Percentage of students enrolled in Certificate/ Add-on/Value added programs as against the total number of students during the last five years

Response: 0

#### 1.2.2.1 Number of students enrolled in subject related Certificate/ Add-on/Value added programs year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	0	0	0

<b>File Description</b>	<b>Document</b>
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 1.3 Curriculum Enrichment

### 1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

#### **Response:**

The college provides equitable and accessible scientific as well as traditional knowledge-based education for developing human excellence. It imparts skill-oriented value-based education in order to imbibe scientific temperament and promote societal accountability and economic sustainability. The institution provides equal opportunities and training irrespective of gender, caste and religion to enhance their scientific temperament. It applies the theoretical knowledge gained from the curriculum for protection of environment and sustainable use of the bio-resources through Rice bank, Orchidarium, Bio-floc. Series of action and awareness programmes to conserve Poba Reserve Forest in Dhemaji district adjacent to Jonai-Arunachal Pradesh border. Multi-faceted plantations are done by the students and staffs at Milanpur, Likabali encompassing of a plot measuring 22 bighas. It organizes various outreach programs, science exhibitions, inter and intra institutional workshops, seminars on quality related themes to promote quality of science education, hands on training, professional ethics, competitive exposure and societal responsibility. IQAC organizes various personality development programs to aware the students about human values and help the society through dissemination of knowledge acquired. The college works for and is a hope for the far-flung tribal, rural and Assam - Arunachal border region of the district and the deprived society.

In addition, the departments also prepare and display departmental wall magazines annually. The college has well-equipped departmental laboratories, library, internet connectivity and computer laboratory. The Department of Anthropology has a mini museum on material culture of N.E. India. The central library has 60,000 books, 200 rare book collection and access to e-books and e- journals through N-List. The library also has computers section where the students can access the online study materials and internet facilities. The college has bus services for the students and hostel facilities for staying in the campus. The Meditation cum Personality Development cell is an addition to the phases of up-gradation of the college.

The rice bank of the college was established on 4th December, 2016 for conservation of various landrace rice varieties grown in Dhemaji district and adjoining areas of neighboring districts.

Around 110 species of orchids are being conserved in Ex-situ condition in the Orchid house. Orchid experts were invited from different corner of the state to share their knowledge with the members of the entire area who are committed to conservation of Orchids. For the management of orchid collection and plantation, twenty active students are selected as members every year from the department of botany who are to work with dedication for making the activities of orchid house successful. Students from

various schools visit the 'Temple of Orchid' with the mentors.

In Silapathar Science College, the Aryabhata Science Centre, Sissiborgaon Block has been regularly organising various awareness activities every year for the school level students.

The college has Women Empowerment Cell for the development of women in every spheres.

At present, the college offers Bachelor of Science (B.Sc.) programmes (Honours and Non-honours) under Dibrugarh University and Master of Science (M.Sc.) programme (Botany and Zoology) under Assam Science & Technology University (ASTU).

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### **1.3.2 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)**

**Response:** 4.37

#### **1.3.2.1 Number of students undertaking project work/field work / internships**

Response: 39

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## **1.4 Feedback System**

**1.4.1 Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website (Yes or No)**

**Response:** Yes

File Description	Document
Upload supporting document	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1 Enrolment percentage

**Response:** 69.96

##### 2.1.1.1 Number of students admitted year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
405	294	293	301	337

##### 2.1.1.2 Number of sanctioned seats year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
490	490	450	450	450

#### File Description

#### Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

#### 2.1.2 Percentage of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (Exclusive of supernumerary seats)

**Response:** 51.95

##### 2.1.2.1 Number of actual students admitted from the reserved categories year - wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
110	90	101	71	107

##### 2.1.2.2 Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
194	194	178	178	178

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 2.2 Student Teacher Ratio

### 2.2.1 Student – Full time Teacher Ratio (Data for the latest completed academic year)

**Response:** 31.89

## 2.3 Teaching- Learning Process

### 2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences using ICT tools

**Response:**

Silapathar Science College strictly emphasizes on experimental learning methodology whereby sensing, observational and thinking methods are implemented. Practical learning boosts up the theoretical mode of learning which coincides with the main objective of the college.

Teachers-Students interactions are often encouraged where students come forward with interesting questions and are explained according to their need and satisfaction.

Various departments hold departmental seminars where students are provided with guidance regarding presentation of their topic.

Assignments are provided to develop problem solving skills of the students. The students also try to gain the knowledge about the topic which has been updated.

The students also come up with projects to develop mentally and enhance the participative skills which help them to complement with the existing environment.

Excursions are also organized from time to time as per requirement for practical learning.

Group discussions are undertaken for creative thinking and enhancing the knowledge on the selective subject matter.

Extracurricular activities are organized apart from academic schedule to increase the participative learning

of the students which greatly contribute to the personality building and switching on the knowledge cells.

Seminars and workshop are organized with collaboration of external agencies whereby the involvement of the students is sought for the participative learning mode.

Use of technological tools in explaining subject matter is welcomed and is carried out whenever necessary.

Field study is also organized by various departments according to the need of the students to have practical knowledge on the subject matter which also allows them to be in touch with the environment.

Apart from the regular disciplined subjects the college also thrives for universal development of all students irrespective of caste, creed and status. Keeping this in mind, the college also offers the state open schooling (SOS) centre. Besides, DIT and NIELIT, technical institutes which have centre at the college, also provide technical knowledge to the students.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 2.4 Teacher Profile and Quality

### 2.4.1 Percentage of full-time teachers against sanctioned posts during the last five years

**Response:** 100

#### 2.4.1.1 Number of Sanctioned posts / required positions for teaching staff/ full time teachers year wise during the last five years:

2021-22	2020-21	2019-20	2018-19	2017-18
28	27	28	26	25

File Description	Document
Upload supporting document	<a href="#">View Document</a>

### 2.4.2 Percentage of full time teachers with NET/SET/SLET/ Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

**Response:** 64.93

#### 2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
21	19	19	15	13

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 2.5 Evaluation Process and Reforms

### 2.5.1 Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

#### Response:

The institution follows a regular and continuous procedure of conducting examination at central as well as Departmental level. All the students undergo a very well organized and transparent procedure of examination and evaluation.

Students having any type of grievances regarding issues like wrong evaluation, omission of marks and any other anomalies are directly reported to the head of the department who takes immediate action to rectify the problems incurred. The sessional marks are displayed on the notice board and the answer scripts are shown to the students. This is done to show the examination procedure as transparent as possible.

Students' progress is monitored through rigorous evaluation. Student's performances are recorded every now and then and corrective measures are undertaken to rectify the anomalies through new pedagogical approach, greater importance to weak candidates, etc.

- Remedial measures are undertaken by the faculty of the concerned departments for weaker students.
- All internal assessment grades are intimated to the students through departmental notice boards where greater transparency in the examination system is adopted.
- Students having any kind of grievances in the assessment process can address to the department which in turn approves an application and forwards it to the Head of the institution, who after necessary verification, directs the involved stakeholders to take necessary action so that the grievances of the students are promptly addressed to.
- Students have the freedom to access the Principal for any grievances. The college tries every possibility to bring out the anomalies regarding distribution of marks to the notice of the University.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 2.6 Student Performance and Learning Outcomes

### 2.6.1 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

#### Response:

Silapathar Science College, which is affiliated to Dibrugarh University, always adheres to broader structure of the curriculum of 3 years undergraduate and general course in science stream as set by University. Each department has its respective routine activities for implementation of the curriculum as designed by University.

The departments have been uniformly following the University guidelines for the purpose of getting the students acquainted with course contents of each subjects spreading over all the semesters.

The classes are taken through lecture, discussions, examinations and evaluation process. The institution fixes the date of examination for internal evaluation in the academic calendar on prior basis.

Every department conducts its classes and distributes the syllabus among the teachers and extreme care is taken to complete the syllabus within the stipulated time. The Laboratory classes are also conducted in regular basis to give practical knowledge about the subject matter. Counseling of the students is provided from time to time. The institution also conducts personality development program on weekly basis through "Meditation and Personality Development Cell". This offers wide scope for the students to get the necessary exposure and build their personality.

Besides, the college also offers Post Graduation course in Zoology and Botany incorporating routine activities for the curriculum as designed by Assam Science and Technology University (ASTU). The institute adopts the similar procedures as followed in the Undergraduate section such as, conduct of classes through lectures, discussions, seminars, examinations and evaluation process. Laboratory classes are also conducted for delivering practical knowledge in both the programs.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>



## 2.6.2 Pass percentage of Students during last five years

**Response:** 93.55

### 2.6.2.1 Number of final year students who passed the university examination year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
192	247	275	167	178

### 2.6.2.2 Number of final year students who appeared for the university examination year-wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
192	251	290	206	193

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 2.7 Student Satisfaction Survey

### 2.7.1 Online student satisfaction survey regarding teaching learning process

**Response:** 3.59

File Description	Document
Upload database of all students on roll	<a href="#">View Document</a>

## Criterion 3 - Research, Innovations and Extension

### 3.1 Resource Mobilization for Research

**3.1.1 Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)**

**Response:** 0

**3.1.1.1 Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	0	0	0

**File Description**

**Document**

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

### 3.2 Innovation Ecosystem

**3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge**

**Response:**

The College has been providing a healthy and good ecosystem by conducting various programmes and activities in connection to environment, hygiene, culture, skill development, revenue generation and socioeconomic development which assists the students in their academic as well as professional career. Presently, the college houses different cells and agreement with various Govt/Non-Govt organizations are done through MOUs to make every possible arrangement of incubation centre though skill development activities for the student community as well as the localites. College has a numbers of MoUs with Indian Institute of Entrepreneurship (IIE), NIELIT, Rain Forest Research Institute (RFRI) and Orchid Society of Assam (OSA). Frequent workshops, seminars, awareness programs and short term training programs are organized on environmental issues, skill development for students and villagers which transfers skills and knowledge. Every departments of the college has arranged various local and long distance excursion for practical knowledge and real hand experience on the respective subjects. The college has a computer centre affiliated to NIELIT which is providing computer education to SC and ST students of the region.

Various cells of the college i.e. Eco club, College Environment Cells, Orchid house, Rice Bank, Pickle production cells, Bio-floc fish production centre, Meditation Cum Personality Development Cell (MPDC) and Women Empowerment Cells (WEP) are taking unique initiatives concerned with transfer of knowledge to students community and people of the neighbouring area. These cells are constantly

working for ecosystem for learning and incubation centre.

The orchid house of the college, in association with Orchid Society of Assam, has been working jointly for conservation of wild orchids and natural resources in the state of Assam. Orchid house is now a centre for learning of wild orchid conservation and propagation and research. Various academic initiatives are taken for the student community to expertise in the field of orchid conservation and propagation. Students of the various institutions has visited orchid house for academic study and syllabus oriented project work. Bio floc and Pickle production centre of the college are directly involved in revenue generation for the college and these two cells have been producing skilled manpower for pickle and fish production.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### **3.2.2 Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years**

**Response:** 7

#### **3.2.2.1 Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
3	1	2	0	1

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### **3.3 Research Publications and Awards**

#### **3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years**

**Response:** 0.32

##### **3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the**

### last five years

2021-22	2020-21	2019-20	2018-19	2017-18
3	0	5	0	1

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

**Response:** 0.71

#### 3.3.2.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
5	4	2	0	9

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 3.4 Extension Activities

#### 3.4.1 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.

**Response:**

The college promotes students to actively participate for social development of neighbourhood. The college has been maintaining an environment in which students and faculty are encouraged to participate in social outreach programme and work in collaboration with other organizations such as Orchid society of Assam (NGO), Rice bank & Orchid House of college. Most of the Departments of the college have undertaken extension activities that aim at gender empowerment, environmental protection, and political awareness, legal rights, health consciousness besides socioeconomic and cultural studies. The Educational extension programmes conducted by the faculty of the college not only popularize science among the

students but also contribute to abolish superstitious beliefs among the neighbouring community. The NSS(National Service Scheme) unit of the college participates in many community services like cleaning the environment and flood relief, generating awareness on various issues like health and hygiene, HIV/AIDS, drug awareness, road safety etc. The CEC (College Environment Cell) and Eco club unit of the college conduct programmes like plantation at roadside, school campus of nearby area, adopted village, adopted school etc to conserve indigenous plant species. The CEC promotes students and neighbouring community to create plastic free surrounding. The MPDC (Meditation and Personality Development Cell) motivates students for holistic development. The Women Empowerment Cell conducts programme on gender issues, domestic violence and other social issues. Beside these the college also organizes various camp and rally to sensitize social issues and develop the society. For the extension activities of the college, the district authority has also given an appreciation letter specially to the NSS unit.

Obviously extension activities done by the college have made significant impact both on the community and the students. Students learn the civic activity as well as their responsibility towards society to which they belong through such programmes .While the science related educational programmes contribute to the creation of scientific temperament among the rural people, health awareness and flood relief programmes helps in the improvement of the quality of life of the community. Such programmes sensitize the student volunteers towards the social issues and take challenges of the lesser privilege section of the society. Extension activities undertaken by the college help the students to become good leaders and good human beings.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 3.4.2 Awards and recognitions received for extension activities from government / government recognised bodies

#### Response:

Silapathar Science college organizes a wide range of extension activities related to environment, natural climates, awareness to various issues, social commitment etc. The extension activities foster the personal growth of students to become more empathetic and sensitive citizens. The college has different units or cells to conduct various extension activities at the state as well as national level. National Service Scheme (NSS), Eco Club, College Environment Cell, Women Empowerment Cell, Rice Bank, Orchid House, MPDC, Biofloc are the active cells of the college which have received letter of appreciation for extension activities in different fields.

National Service Scheme (NSS) is a central sector scheme of Government of India, Ministry of Youth Affairs & Sports that aims to develop the personality of student volunteers through community services and to make them sensitive and responsible human beings who are aware of the socio-economic realities of India. The NSS unit of the college is well functioning and organises various programmes for students to grow as environmentally conscious and socially responsible citizens. NSS unit has received state and national level appreciation for extension activities.

Rice Bank of the college is engaged in documentation and conservation of indigenous paddy varieties in Assam and nearby states. Around 250 varieties of landrace paddy are being preserved under active effort of Rice Bank. Rice bank organises a number of awareness programme for conservation of indigenous rice in the region. This cell has participated in several exhibitions to create awareness among the farmers for conserving indigenous paddy varieties and received 1st prize in Science Exhibition organised by AASU, Dhemaji district unit, Assam in 2018.

National Institute of Electronic and Information Technology (NIELIT) has provided free “Certificate Course” on computer education for ST and SC students of the college. The college has received letter of appreciation from NIELIT for active participation in celebration of Digital India week.

The college has received communication letter from Rain Forest Research Institute, Jorhat in connection to plantation & research activities conducted jointly.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organised in collaboration with industry, community and NGOs) during the last five years**

**Response: 23**

**3.4.3.1 Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
8	4	4	1	6

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 3.5 Collaboration

**3.5.1 Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative**

**research during the last five years.**

**Response: 4**

<b>File Description</b>	<b>Document</b>
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

#### 4.1.1 Availability of adequate infrastructure and physical facilities viz., classrooms, laboratories, ICT facilities, cultural activities, gymnasium, yoga centre etc. in the institution

##### Response:

Teaching is an art hence it requires dynamism on the part of the teachers to make teaching interesting in order to sustain interest of the students. The same methods actuated in the teaching process years after years to create monotony in teaching both for the teacher as well as the students. Hence to break the old rule of thumb, a revolutionary outlook is adopted in the teaching procedure.

The below mentioned points supports our constant endeavour towards a congenial and effective way to meet up the facilities required for teaching and learning.

- There are a total of 7 halls, 18 classrooms, and 2 halls for generic elective classes, and classrooms as tutorial spaces, under CCTV surveillance.
- Separate classrooms are allotted for both UG and P.G classes.
- The college is well-equipped with N-List knowledge portal, which gives access to more than 2 lacs books and 6000 journals. The whole library collection is computer enumerated and searchable through OPAC (Online Public Access Catalogue).
- The library has a corner named “S.K.Borthakur Study Circle” having 151 Thesis, 500 Books, 20 Dictionaries and Year Book and 40 seminar Papers.
- Cutting & tailoring training centre for Women Empowerment.
- Well-equipped laboratories for Department of Physics, Chemistry, Botany, Zoology and Anthropology respectively, as well as computer laboratory with accessible internet connectivity.
- There is a seminar hall, gymnasium hall and a yoga and meditation centre.
- Sufficient technology enabled learning spaces: ICT classrooms, Projector Room, for making the teaching-learning process more effective.
- There is a rice bank and three orchid temples under Department of Botany, as part of the course content.
- The college has a Bio-Floc, looked after and maintained by the department of Zoology.
- Public Facilitation Centre which relentlessly strives for the welfare of the students and the local community.
- Hostel facilities for girls, named Rukmini Girls Hostel with an intake capacity of 56 students.
- Facility for parking Bike & Cycle are available.
- The college operates two buses for transportation of students.
- Specialised facilities like teaching equipments for learning and research etc., Blackboards, Green boards, Whiteboards, Computer, Internet Connection, Wi-Fi, Land-line connection etc.
- Botanical Garden –Campus no 2 at Likabali.

Apart from imparting academic and professional courses to the students, the institution encourages students to engage in sports and cultural activities which is very essential for all round development of



human beings especially the students fraternity.

- NSS programmes are conducted and encouraged amongst the students.
- Recognizing the increased level of stress amongst the student fraternity and fitness related issues, Yoga camps are organized occasionally.
- The institution organizes college week programmes annually where different competitions are held under sports and cultural section for encouraging and cultivating the habit of practicing co-curricular activities among the students.

Moreover, the college observes some important days like Shahid Divas, Rabha Divas, Martyrs Day, Freshmen and Parting Social, Saraswati Puja, National Science Day, World Environment Day.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

#### 4.1.2 Percentage of expenditure, excluding salary for infrastructure augmentation during last five years (INR in Lakhs)

Response: 17.7

##### 4.1.2.1 Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
13.71	10.8	21.97	7.76	28.29

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

#### 4.2.1 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

Response:

Library is partially automated using integrated Library Management System (ILMS)

Silapathar Science College Library at a glance: The Silapathar Science College Library came into being from the establishment of the college. The college was established in Amritpur, Silapathar, Dist. – Dhemaji of Assam in the year of 1996 and was subsequently provincialized in 2021 by Govt. of Assam. The college is registered under 2(f) and 12(b) of UGC act 1956.

Objectives of the Silapathar Science College Library are to serve the college students, staff and faculty members. Collecting, Organizing, Disseminating and Preserving rare as well as unique scholarly and Institutional resources for the use of Scholars and researchers of the college. Ensuring that faculty, students and other user have access to a broad and diversified range of scholarly resources, both through its own rich collection of materials and through E-Resources.

The Library is partially automated with SOUL 2.0 version of Integrated Library Management Software (ILMS) since 2021. All activities like - book accumulation, spine label, circulation of books, library user card generation with transaction facilities, online access of catalogue (OPAC), book locations in shelf, gateway to library through SOUL - have been recently done through this software.

The library users can check the availability of books in the library via OPAC. Also, Barcode based circulation system is in practice in the library.

The Library provides remote access to the digital resources such as previous years question papers, syllabus, list of newly arrived books etc. to its users which is ongoing process at this moment.

The central library has 6000 books, 200 rare book collection and access to e-books and e- journals through N-List. The library also has computers section where the students can access the online study materials and browse facilities internet. The Library has 151 Theses in its collection. The Library also provides access to digitized books via Silapathar on desktop over LAN connectivity and on Smartphones via Wi-Fi connectivity to its users.

The Library provides specialized services to the users like printing facility and limited scan facility of documents.

**Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment.**

The Library has more than 200 Copies of rare books and One Manuscript till now .At present more than 100 copies of books have been digitized and preserved for the access of the library users on Desktop over LAN connectivity via Wi-Fi connectivity.

Apart from text books, the library has Encyclopedias, Journals & Magazines, Career Guidance Books and daily newspapers in its collection. The library provides remote access to the digital resources such as previous years question papers etc. to its users.

**Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)**

**Response:**

<b>2021-2022</b>	<b>2020-2021</b>	<b>2019-2020</b>	<b>2018-2019</b>	<b>2017-2018</b>
<b>2.96</b>	<b>3.25</b>	<b>3.02</b>	<b>3.08</b>	<b>2.64</b>

Over the last year the usage of library by students is 25 to 30 per day and 4-5 Teachers visit the Library every day.

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 4.3 IT Infrastructure

### 4.3.1 Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

#### Response:

#### Hardware Infrastructure

# Over **65** Computer were deployed in the **Computer Lab, Library and Academic Block** across the campus to giving computing facility to the students and faculties for hands on practical sessions.

# The College uses **HCL, Lenovo, Acer, Dell, HP** computers.

# Computer Lab has adequate number of desktops maintaining student to computer ratio of 1:1 most of the times.

# In addition there are 12 **Epson, Canon, HP DeskJet** and printers in the administrative block.

# The College uses 3 **LCD projectors**, 1 in the **IQAC** room and 2 in the **PG (M.Sc.)** branch and these are used in the teaching block.

# These infrastructure is complemented by computer networking devices, scanners and interactive teaching board etc.

- # The College has employed a full time **IT** consultant for maintenance and support for infrastructure.
- # In general, computing and internet facilities are available to all teachers and students on the campus.
- # The institution provides access to desktop systems and laptops to both faculty and students which allows them to use computer aid for academic projects, practical sessions and for learning.
- # To make the learning process more effective various innovative methods are used by the teachers. This includes giving group assignments and having power point presentations, where students can discuss and explore their knowledge together.

**Software Infrastructure**

- # The College has 1 (one) high configuration servers to allow fast transmission of data to the various computers.
- # All the computers are supported by a **100 MBPS** bandwidth on **24x7** hours, providing anywhere access to knowledge and learning resources, keeping in line with demands of students and faculties.
- # The internet bandwidth is enhanced from **100 MBPS** to **250 MBPS** over last two years, so that the academic and research activities can be handled with better connectivity.
- # The campus backbone network was upgraded from **100 MBPS** to **250 MBPS** and **Wi-Fi Access Points** is about **3** numbers were deployed across the campus in both academic blocks and library for **24x7** internet service for enabling students faculties to stay connected and access the academic content, anywhere in the campus.
- # The computers are supported windows 7, windows 10 and windows 11 operating systems.
- # **ECMS** (Educational Campus Management System) is implemented to provide all system, network and UPS related support for the students and staffs.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**4.3.2 Student – Computer ratio (Data for the latest completed academic year)**

**Response:** 37.21

**4.3.2.1 Number of computers available for students usage during the latest completed academic year:**

**Response:** 24

File Description	Document
Upload supporting document	<a href="#">View Document</a>

#### 4.4 Maintenance of Campus Infrastructure

**4.4.1 Percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years (INR in Lakhs)**

**Response:** 72.17

**4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
53.30	40.69	72.26	84.02	86.23

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

#### 5.1.1 Percentage of students benefited by scholarships and freeships provided by the Government and Non-Government agencies during last five years

**Response:** 44.89

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government and Non-Government agencies year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
85	568	771	302	140

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

#### 5.1.2 Capacity building and skills enhancement initiatives taken by the institution include the following

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene)
4. ICT/computing skills

**Response:** A. All of the above

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

#### 5.1.3 Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

**Response:** 5.94

5.1.3.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
39	54	0	89	65

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

**5.1.4 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases**

- 1. Implementation of guidelines of statutory/regulatory bodies**
- 2. Organisation wide awareness and undertakings on policies with zero tolerance**
- 3. Mechanisms for submission of online/offline students' grievances**
- 4. Timely redressal of the grievances through appropriate committees**

**Response:** A. All of the above

File Description	Document
Upload supporting document	<a href="#">View Document</a>

## 5.2 Student Progression

**5.2.1 Percentage of placement of outgoing students and students progressing to higher education during the last five years**

**Response:** 13.58

**5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
41	21	30	29	33

**5.2.1.2 Number of outgoing students year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
192	251	290	208	193

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

**5.2.2 Percentage of students qualifying in state/national/ international level examinations during the last five years (eg: JAM/CLAT/GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)**

**Response:** 100

**5.2.2.1 Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ Judicial Services/Public Prosecution services/All India Bar Exams/State government examinations) year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
2	0	2	4	7

**5.2.2.2 Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
2	0	2	4	7

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 5.3 Student Participation and Activities

**5.3.1 Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one) during the last five years**

**Response:** 4

**5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at**



*national/international level (award for a team event should be counted as one) year wise during the last five years*

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	1	1	2

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

**5.3.2 Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)**

**Response:** 29.6

**5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
73	0	0	48	27

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

**5.4 Alumni Engagement**

**5.4.1 There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services**

**Response:**

The College Alumni Association usually meets once a year and conduct academic events and attend the general body meeting. It helps to develop a database of all the Alumni with information about their employment, their employers and nature of their present work, contact addresses, phone numbers and active e-mail IDs. Such information helps the present students to contact the Alumni and seek for their valuable inputs and suggestions. The association provides a platform for interaction between alumni, present students, faculty and administration of the institution.

The Alumni Association relentlessly strives to bridge the gap between the present students and the Alumnae. It initiates different positive and quality-oriented measure from time to time and renders active cooperation to the college management towards implementing various programmes. A large number of members of the association generously provide financial aid to the authority as and when situation demands, which are utilized in the development of various infrastructure and other facilities. It is moving ahead, with selfless intentions for the growth and development of the institute and the students. It has contributed significantly through financial and non-financial means during the last five years to improve the facilities and infrastructure of the college with the help of the active participation of the alumni.

**Contribution of the Alumni Association:**

- A **‘General Toilet’** was constructed during the session 2017-2018, with an estimated amount of INR 301290.00.
- The **‘College Entrance Road’** was constructed during the session 2018-2019, with an estimated amount of INR 232870.00.
- A **‘Rest House’** at Botanical Garden was constructed during the session 2019-2020, with an estimated amount of INR 74900.00.
- A **‘Bike Stand’** was constructed during the session 2020-2021, with an estimated amount of INR 190700.00.
- A **‘Toilet’** at Main Building (2nd floor) was constructed during the session 2021-2022, with an estimated amount of INR 40000.00.

The main objectives of the association are to keep in close touch with the college and to organize seminars, talks, cultural and other programme in the college, from time to time, in order to inspire and educate the current batches of students and exchange views and ideas. They also provide the feedback to the college to innovate and revamp the present teaching and learning programmes to cater the new job requirements.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## Criterion 6 - Governance, Leadership and Management

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### 6.1 Institutional Vision and Leadership

**6.1.1 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**

**Response:**

After being provincialized on the 5th day of February, 2021 (w.e.f. 1st January, 2021) under the Assam Educational (Provincialisation of Services of Teachers and Re-Organisation of Educational Institutions) Act, 2017 & Amendment Act, 2018, Silapathar Science College, established in 1996 with a goal for transforming in to a centre of higher education for dissemination of science education, is presently governed by the Assam Govt. Rules and Regulations of Higher Educational Institutions. The vision and mission of the college is communicated through the college prospectus, website, academic calendar and college magazine.

As mirrored in the mission statement, the college always endeavours to reflect the future requirements and social needs through various scholastic and non-scholastic activities for capacity building in organisational, entrepreneurial sectors and leadership qualities in the students. The students are also given awareness and exposure on the social and national issues through awareness programmes held by N.S.S unit of the college. The institution also houses a Meditation & Personality Development Cell (MPDC), established in 2013, where a planned set of in-house as well as outsourced activities (like meditation, yoga, personality development, career counselling etc) are organised once or twice weekly in order to provide exposure to and imbibe a set of befitting qualities in the young minds.

MoUs with RFRI/IIIE/NIELIT/Orchid Society of Assam were materialised in order to provide the students a platform for first-hand experience on research-based/Skill-based/computer-skill based knowledge and also for the need of environmental protection and conservation.

The college has teacher members in every important body/ committee like Governing Body, Building Committee, Construction Committee, Hostel Committee, Eco-club, IQAC, Students' Union etc. The teachers are also fully involved in the student related activities, for instance in the College Week and other departmental activities.

**Case Study of Decentralization and Participation: Holding of Sessional Examination**

The sessional examinations are held by the college prior to the odd and even End Semester examinations held by Dibrugarh University. The dates of examination are decided at a meeting of the Academic Council.

The Academic In-Charge is given the overall charge to prepare the examination schedule, ascertaining the distribution of required nos. of Answer Scripts to the respective HoDs, who will be responsible for the smooth conduct of their respective examination. The sessional examinations for the honours students are held according to the convenience of the respective departments as per the window given in the central exam routine.

The HoDs entrust a particular departmental teacher to prepare a certain question paper and also to hold

examination for the major students. Once the examinations are over, the respective HoDs distribute the answer scripts among the teachers of the department for checking and submission of the marks-foil within the stipulated time so that the Marks obtained by the students can be notified in the departmental Notice Board. The HoD is in charge of calculation and preparation of the Internal Assessment Marks and submission of the same to the IQAC Coordinator who is responsible for collection, digitization and despatch of the IA Marks to the University.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 6.2 Strategy Development and Deployment

### 6.2.1 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

#### Response:

Being a responsible institution of higher education, the college authority has planned and introduced new courses/programs, which focus on various aspects (like research based/skill-oriented/environmental awareness etc.) of science education. MoUs with different Government/Non-Government Organisations, such as IIE, NIELIT, RFRI etc. are encouraged for fulfilment of the objectives as laid down in the college vision and mission statement.

In 2020, amidst the Covid-19 pandemic, a long-cherished goal of the institute was fulfilled. The district did not have any centre/institute conducting Post Graduate programs in Science education as yet. And as a result of continuous efforts, Post Graduate Programs (MSc) in Botany and Zoology were started under the Assam Science & Technology University, Guwahati. This has been a tremendous step towards providing easy access to higher education for the students of this region.

Since the institution is provincialized, it follows the UGC's and Assam Government's Rules & Regulations regarding Organisational and Administrative set-up. The Governing Body is at the top of the organizational structure of the college followed by the Principal who is the Secretary of the college Governing Body. The teaching and non-teaching staff work under the office of the Principal. The Academic Council, comprising of the Principal as Chairperson and the Academic I/C as the Member Secretary and all HoDs as members and IQAC, takes important decisions regarding academic matters.

The College library has an independent functional head i.e., Librarian who is assisted by Assistant Librarian and the library assistants.

College office is headed by Head Assistant (HA) who is assisted by Office Assistants and Office Bearers.

The issues like service rule procedures, recruitment and promotional policies are handled as per the directives and regulations from the Department of Education (Higher), Govt. of Assam, UGC and the Dibrugarh University to which the college is affiliated.

The college authority has plan for developing sports facilities for the benefit of the students.

There are plans for construction/renovation of the college library and laboratories with state-of-the-art facilities.

Since the college is situated away from the town, the authority has introduced two buses for the benefit of the students.

Efforts are stressed upon to boost the practical know-how through entrepreneurship development programs/computer skills under IIE/NIELIT.

The college has a few unique resources e.g. Rice Bank, Orchid House, Bio-floc which help the students in acquiring first-hand knowledge/expertise.

Another unique resource is the Meditation & Personality Development Cell (MPDC) wherein the students are provided with a platform to access value added education through lecture/demonstration/interaction by renowned invited guests.

The authority has Plans to make Office Automation a reality in the near future and convert the college a paperless centre.

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## **6.2.2 Implementation of e-governance in areas of operation**

- 1. Administration**
- 2. Finance and Accounts**
- 3. Student Admission and Support**
- 4. Examination**

**Response:** B. Any 3 of the above

<b>File Description</b>	<b>Document</b>
Upload supporting document	<a href="#">View Document</a>

## **6.3 Faculty Empowerment Strategies**

### **6.3.1 The institution has effective welfare measures and Performance Appraisal System for teaching and non-teaching staff**

#### **Response:**

The institution offers various facilities for the welfare of the teaching as well as non-teaching staff. There are eight departments in the institution and each has separate departmental facilities. Separate washrooms are also set up in different buildings and respective departments for convenience and comfort of the teachers and students. Provisions for tea and light snacks arrangements are made available departmentally and refreshment fund is generated voluntarily by teachers. One laboratory bearer for every department with practical course is also allotted to look after the laboratory works. Moreover, the college has provisions for various welfare measures such as follows:

**Group Insurance Scheme:** In case of an unfortunate incident staff members get insurance benefit. All permanent staff members are part of the scheme.

**Maternity leave:** 26 weeks of maternity leave is applicable with full pay.

**CCL:** Child Care Leave as per Govt. rule is available for all female married permanent employees of the college.

**Special Leave:** Employees of the college are granted special leave in case of death of their parents/spouse.

**Academic leave:** Faculty members are given leave to participate in the seminar/workshop to enhance their academic and professional skills.

#### **Performance Appraisal System:**

The institute encourages the faculty members to work continuously in their respective academic areas and to keep record of their academic activities and achievements. The IQAC plays a vital role in this regard as it tracks the academic/research activities of the faculty members. Faculty members are asked to update their individual performance appraisal regularly. They are asked to submit their performance appraisal report to the IQAC annually. Performance appraisal record is maintained by the principal and communicated to the appropriate authority from time to time when necessary.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**6.3.2 Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years**

**Response:** 8.21

**6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	3	2	6

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

**6.3.3 Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years**

**Response:** 22.01

**6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
18	18	20	1	0

**6.3.3.2 Number of non-teaching staff year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
25	25	25	25	25

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 6.4 Financial Management and Resource Mobilization

**6.4.1 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)**

**Response:**

Accounts are audited annually. President of the Governing Body appoints a Govt. Auditor for auditing the account. Fund received from other sources are audited by a registered CA. As our college was provincialized in the last financial year, we are preparing to send the financial documents for audit to the Directorate of audit (Local fund). Govt. of Assam. The Audit reports of 2017-18, 2018-19, 2019-20, 2020-21, 2021-22 have been audited by auditor and also passed in the Governing Body on due time. There is no audit objection in the aforementioned audit report.

Total expenditure year arise during last five year (INR in Lakh)

2021-22	2020-21	2019-2020	2018-19
148.55	140.53	157.08	207.69

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 6.5 Internal Quality Assurance System

**6.5.1 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**

**Response:**



The IQAC has led the institution in institutionalizing the following strategies which have contributed to enhancing the quality of the learning environment.

- **Teacher Led Student Research Projects:**

This is an initiative with an objective to orient the students in field of research and development and with a view to enriching their educational experiences. Teacher-Led students' Projects are carried out almost in all department in their final semesters. Under this initiative students from different departments, under guidance of the teacher supervisors, carry out research Projects every year.

- **Faculty Development through use of ICT Tools and Digital Workshops:**

The IQAC takes interest and initiatives of the institution impart quality education. Practice of Teaching Learning through ICT has become indispensable part of education in the present scenario. This helps both slow and advanced learners to understand the subject matter easily and makes the class interesting too. IQAC emphasizes in organizing workshops on "Use of ICT tools in Classrooms" and "Workshops on Digital Learning". The IQAC has proposed the procurement of more ICT tools and accordingly four numbers of LCD projectors were provided to be used in the classrooms and the infrastructure were augmented. The college has the facility of two smart classrooms and an ICT seminar Hall for conducting classes. The library is partly automated with SOUL 2.0 version of Integrated Library Management Software (ILMS) since 2021. All activities like book accumulation, spine label and bar coding of books, circulation of books, library users card generation, online access of catalogue (OPAC) have been done through this software.

- **Community Services:**

The IQAC has been actively involved in community services on socio-economic and environmental issues. Making involvement in community programmes, students are oriented with the social issues to have practical knowledge through field studies and community outreach programmes. Community services have created awareness among the students of the various social issues and developed the sense of humanity, equity and enhance the sense of social belongingness. Community service has now become an identity of the college in its surrounding localities. Students' Union, NSS, Eco Club, College Environmental Cell, Women Cell, and Teachers' Unit of the college actively take part in the community extension activities.

**The institution reviews its teaching learning process, structure and methodologies of operations and learning outcomes of periodic intervals IQAC set up as per norms.**

The IQAC constantly communicates and recommends the academic committee for implementation in academic matters. Planning Committee which is also a unit under IQAC plans and coordinates on academic initiatives and research initiatives.

- Academic initiatives
  - To encourage learner centric environment conducive to quality education
  - To promote/incorporate strategies in our curriculum and transform classrooms into exciting dynamic learning environment.
  - To encourage effective collaboration in small group discussions/ peer to peer discussions be organized.
- Research initiatives

- Project based learning
- In department laboratory experiments
- Presentations

Arrangements for feedback response from students, teachers, alumni and parents on the institution and curriculum. The feedback on teaching, which is essentially formative, is communicated to the individual teachers

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**6.5.2 Quality assurance initiatives of the institution include:**

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements**
- 2.Collaborative quality initiatives with other institution(s)/ membership of international networks**
- 3.Participation in NIRF**
- 4.any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA, ISO Certification etc**

**Response:** B. Any 3 of the above

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.1 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

##### Response:

Silapathar Science college is a co-educational science institution which gives high value on gender equity programmes. As a leading science college of the area, our vision is to provide equitable and accessible scientific as well as traditional knowledge-based education for developing human excellence. Female faculty members share equal responsibilities with the male faculties in the institution. . Since the institution is a science college, hence the aim of the college is to promote both the genders through science education along with other gender promotional programs. The college has organised an impressive number of formal events related to gender each year. The Women Cell plays a critical role in fostering gender sensitivity in campus. Programmes in the form of **lectures** (motivational classes on yoga and mediation), **training** (Carpet preparation, Tailoring & cutting, Pickle Preparation etc.), **camps** (blood donation camp, blood group testing camp), **workshop** (“Ma” – mother awareness programmes, etc.) **competitions** (Green Competition) are organised throughout the year that aim to provide an intersectional approach in creating awareness amongst students about the inequalities confronting all genders. The focus of the Women Cell has been to provide adequate space to students to engage in open discussions and think scientifically on various issues such as women health, nutrition, hygiene, domestic violation etc. The institution has an active Grievance Cell and Anti Ragging Committee to register complaints of harassment and to undertake formal proceedings to resolve them. Each department organises events (field study, project work etc.) that reinforce the institution’s vision and mission to provide education to young women.

The College organises national and international commemorative days, events and festivals with great enthusiasm. Following are the events and festivals celebrated in the college during last five years –

- 1. Republic Day and Independence Day** are celebrated to create a sense of pride, integrity and responsibility among the students. The National Flag is hoisted and the **National Anthem** is sung, students offer Guard of Honour and Salute to the tricolour followed by a speech on the significance of the days by the Principal.
- 2. National Science Day and College Foundation Day** are celebrated together on 28th February every year with various colourful programmes. Best Department Award, Best Photographer Award, Best media Award, and Best Graduate Award of the year are given on this occasion.
- 3. International Yoga Day** ( 21st June ) is celebrated every year on 21st June with large participants.
- 4. Gandhi Jayanti** (2nd October) is celebrated every year with commemorative speech on Mahatma Gandhi.
- 5. World Environment Day (5th June)** is celebrated with awareness talk and plantation programmes.
- 6. Teacher’s Day (5th September)** is celebrated every year.
- 7. International Women Day (8th March)** is celebrated by organising awareness programmes on women in the nearby localities
- 8. Birth and Death Anniversary of Dr. Bhupen Hazarika, Silpi Divas and Rabha Divas** are celebrated to aware the young mind of the students towards the local cultural heritage.
- 9. World Bamboo Day** is celebrated on 18th Sept to aware the student about the importance of

Bamboo.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

#### 7.1.2 The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures
2. Management of the various types of degradable and nondegradable waste
3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment

**Response:** A. 4 or All of the above

File Description	Document
Upload supporting document	<a href="#">View Document</a>

#### 7.1.3 Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

1. Green audit / Environment audit
2. Energy audit
3. Clean and green campus initiatives
4. Beyond the campus environmental promotion activities

**Response:** A. All of the above

File Description	Document
Upload supporting document	<a href="#">View Document</a>

#### 7.1.4 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)

**Response:**

Silapathar Science College provides an inclusive environment with tolerance and harmony towards cultural, regional, linguistic, communal, socioeconomic and other activities. The college celebrates different socio-cultural festivals like Saraswati Puja, Rabha Divas, Shilpi Divas, Orchid Festival, Freshmen Social, Farewell etc. inside the campus to promote cultural harmony amongst the students each year. International Yoga Day, International Women's Day, World Environmental Day, World No Tobacco Day,

Birth and Death Anniversary of Bharat Ratna Dr. Bhupen Hazarika, National Science Day are celebrated in the college to revamp the positive relationship among students belonging to different races and cultural background. The college celebrates “College Week” programme by arranging different sports and cultural competitions like Songs, Dances Dramas Speech etc. Bride Competitions, multi-cultural procession representing different forms of culture from various local communities to showcase the cultural mosaic of the neighbourhood. Students with diverse cultural and linguistic background participate in it and successful students are awarded with certificates, medals, trophies and cash as prizes. Besides these, Best Photographer Award and Best Department Award of the year are also given to sensitize the students and faculty members of the college.

Faulty members of the college regularly visits the adopted village *Jalakia Suti*, Phulbari High School, Netaji Bhairabpur High School and other nearby schools to discuss different issues with the villagers and student community.

College celebrates various activities for sensitization of students and employees to the constitutional obligations- values, right, duties and responsibilities of citizens. Celebration of various programmes and activities of national and international importance in the campus inculcates values for being responsible citizens as reflected in the Constitution. Republic Day and Independence Day are celebrated every year with great enthusiasm. Hoisting of National Flag by the Principal on such occasion in presence of students, faculty members, office staff and invited guests and signing of National Anthem provide a sense of unity. Celebration of Gandhi Jayanti spreads the Gandhian Philosophy and Thoughts among the students.

A number of speeches and lectures on different socio-economic topics such as student-Teacher Relationship, Importance of Yoga and Meditation, Importance of Wild life and its Conservation, Career Counselling etc. are organised from time to time to inculcate values to make the students responsible citizens.

The College celebrates World Environment Day on 5th June every year by arranging programmes like cleaning and plantation. Orchid festival, Rice exhibition, Green Competition, Plantation in Bogibeel area, Cleaning Drive, Preparation of Bamboo Dustbin and their setup at Gainadi picnic spot, Mother awareness programme etc. are organised to spread social awareness. Pickle preparation training, establishment of Biofloc Fish Production Centre & Rice Bank, Orchid festival and Rice exhibition also play an important role in bringing awareness and socio-economic development of the local community

Rules and Regulations for students (college and hostel) are on display in prominent places of the college campus and also in the prospectus. Valuable quotes on safety measures (Motor Cycle), Plastic Free Campus, No Tobacco zone, and Ragging are on display in plates/banners fixed at the college gate and other prominent places of the campus. Through the Public Facilitation Centre located inside the campus, the college provides various needful services to the people of the area.

File Description	Document
Upload Additional information	<a href="#">View Document</a>

## 7.2 Best Practices

## **7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual**

### **Response:**

Best Practice -1

#### **1. MEDITATION CUM PERSONALITY DEVELOPMENT CELL (MPDC)**

##### **1. Objectives:**

1. To foster mental strength and stability through meditation.
2. To invite resourceful personalities to share lived experiences.
3. To develop and prepare the students to be responsible citizens.

##### **Underlying Principles:**

1. Decline of values in absence of value-based education.
2. MPDC as a centre for value-based education.

### **3. The Context**

##### **Challenging issues:**

1. Adolescence is the transitional period of life, wherein anxieties, worries, conflicts and complexities are observed. Adolescents are prone to emotional instability and frequent mood changes.

1. Physical facilities were not adequate in 2013. Separate room with an infused look was necessitated for the program.

1. The curriculum for BSc program was already experiment based. Students could hardly afford extra time for a seemingly unnecessary activity.

#### **4. The Practice**

The program aims at involving the students and was to be held once/twice weekly.

A large Hall fitted with ICT facilities is assigned to conduct the MPDC programs. The Hall is arranged in an unconventional manner with framed photographs of renowned personalities of national/international fame. The dais for the invited guests is 2 feet high fitted with mattress whereas the audience will sit on mats laid over the tiled floor in a disciplined manner.

On arrival of the dignitaries, the Co-ordinator of MPDC shall start the program with a chant of the "Aumkar". Then, following the felicitation, the Resource Person begins his/her deliberations providing the students important lessons for character building. Students have an interactive session too.

The concept is to provide the students an interactive and active platform for value-based learning along with routine academic activities. In the absence of moral education, most students find it difficult to distinguish the right from the wrong, the good from the evil. Cells like MPDC can play the catalyst and help in making amends.

Constraints:

1. Selection and availability of Resource Persons for such unique programs is always a challenge.
2. Since the college offers only science education, there was always dearth of time for the teachers and students amidst their busy schedule.

#### **5. Evidence of Success**

1. Students of the college have taken initiatives, planned and executed a Street Play program by the name "Manuhe Manuhor Babe" on Superstition at different neighbouring places/schools.
2. In the Awareness cum Voluntary Blood Donation Camp was organised on 14 June 2022 at the college, a lot of students voluntarily donated blood.
3. 'Youth Will', an NGO run by a few alumni, is extending its services to the society under the able leadership of Mr. Rituraj Pegu, a former member of the college's Students' Union Body.

## 6. Problems Encountered and Resources Required

1. New induction and unique concept: The technology and social media crazy generation can hardly be lured in to unconventional activities.
2. The activities of the MPDC had to be halted. First, in 2020 due to Covid-19 endemic and secondly in 2021 for lack of space due to introduction of Post Graduate Programs in Botany and Zoology under Assam Science & Technology University, Guwahati.

Best Practice -2

### 1. Title of the practice:

**Orchid Temple: An endeavour to shelter & conserve diverse species of orchids for sustainability.**

### 1. Objective of the practice(100 words)

1. Conservation and propagation of wild orchids.
2. Conduct training/ workshop/ seminar on conservation and propagation of orchids.
3. Rapid propagation of rare and endangered orchids through Micropopagation techniques.
4. Establish a hub of orchid germplasm centre for academic & research purposes.
5. Maintain a green and beautiful college campus.

### 1. The Context(150 words )

The Silapathar Science College has been working for nature since the time of establishment as the college is located in biodiversity hot spot region of Eastern Himalaya. The college has established an orchid temple (orchid house) to preserve the indigenous and hybrid orchids (beautiful gift of nature). Orchid temple and other wings of the college have been trying to make green environment of the college and neighborhood areas through conservation, plantation and conducting awareness programmes. Orchid Temple has taken various initiatives for conservation and propagation of rare and rescued wild orchid species of Assam.

### The practice

### Infrastructural practice

- Green house / orchidarium (Orchid Temple) was established in college campus and has been



preserving varieties of common, endangered and rare orchids. Rescued orchids are being conserved in Orchid Temple for regeneration and some are mounted on trees in the campus.

- Members of Orchids temple engaged to clean and beautification through regenerating and mounting of orchids on host trees in the college campus.

### **Initiatives of Orchid Temple to make a green & beautiful college campus**

- Orchid temple constitutes a team of 20 active members from the department of Botany for taking part in conservation works, plantation, mounting of orchids in orchidarium and host trees of the college campus. The team of orchid temple is also involved in rescue of wild orchids from deforested areas.
  - Orchid Festival -2021 organized to aware the people for conservation of orchids.
1. Three shade house established in campus for preserving rescued and other rare orchids for propagation and regeneration.

### **Evidence of Success**

- Indigenous, rare, common and hybrid orchid were identified and being preserved in established Orchid Temple.
- Mounted orchids on every trees of the campus are growing in very healthy condition.

The Orchid Temple is linked with the state level NGO (Orchid society of Assam) and head office of the NGO is situated in college campus. Conservation, Plantation propagation rescue and awareness programme on orchids are functioning from the head office in collaboration with Orchid Temple members.

### **Problem Encountered and Resource Required**

- Facing problem in micropropagation of rare and endangered orchids due to unavailability of well equipped tissue culture laboratory.
- Inadequacy of skilled manpower for maintenance of adverse climate sensitive orchid species.

#### **1. Notes**

1. Orchid house will be transformed in to an orchid germplasm centre/hub with well equipped tissue culture laboratory, spacious rescue centre and all academic and research facilities.
2. Create massive awareness among students of school, college and University level to preserve amazing orchid species before its extinction.

File Description	Document
Best practices as hosted on the Institutional website	<a href="#">View Document</a>

## 7.3 Institutional Distinctiveness

### 7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

#### Response:

In comparison with other districts of Assam, Dhemaji district considerably has a good position as to preservation of indigenous rice seeds. Silapathar Science College is the pioneer science college in 114 Jonai (ST) LAC under Dhemaji district in spreading science education. In fact, the institution was established with the objective of imparting knowledge and education in science. The College is surrounded by vast areas of agriculturally prominent land. Large majority of its inhabitants are peasants. They produce varieties of rice seeds both hybrid and indigenous. Huge number of indigenous rice seeds is still very popular among the growers of the district. The curiosity for collection and preservation of varieties of rice seeds, in fact, originated first among the faculty members of the Botany department of Silapathar Science College.

However, in course of time, Botany department of Silapathar Science College, under the supervision of the Principal, Dr. Ranjit Saikia, repeatedly made field visits covering almost entire paddy fields of Dhemaji district and its periphery. As many as 236 different types of indigenous rice inclusive of 30 varieties of HYV paddy samples were collected from the rice growers. This ultimately was instrumental in the inception of the concept of “Rice Bank”. The day of 28th Feb’ 2017 marked a step with the inauguration of Rice Bank in the college.

Nevertheless, the rice bank may be referred as distinctive besides the key academic programme. The rice bank carries as many as three key objectives *viz.*,

- 1.Documentation of all the indigenous rice varieties grown in Assam.
- 2.Developing conservation strategies for quality indigenous paddy.
- 3.Commercialization of local paddy and generation of rural livelihood for unemployed youth.

In addition, another significant objective was to bring awareness and propagation of indigenous rice varieties within and outside the district of Dhemaji.

#### Total Rice varieties preserved in Rice Bank:

Sl. No.	Varieties of Rice	Nos. of Rice Varieties
1.	Normal Sali Rice	124
2.	Joha Rice	11
3.	Bora Rice	30

4.	Bao Rice	47
5.	Ahu Rice	01
6.	High Yielding Variety	23
Total		236

As a part of the programme, a number of rice exhibitions (Dhan Mela) were organized. Teachers and students participated in the exhibition programmes. First rice exhibition programme was organized at Krikhok Mela, Jalokiahuti, Silapathar on 1st January, 2017. Second exhibition was held at Bodo Sahitya Sabha, Simen Chapori from 5th and 6th February' 2017. Third exhibition was held at Namami Brahmaputra Festival organized by Govt. of Assam at Kareng Chapori, Bogibeel from 31st March to 4th April, 2017. In addition to the above exhibitions more other rice exhibition were organized.

After being aware of the activities/efforts of the institution regarding indigenous varieties of rice, a team of scientists from Regional Agricultural Research Station, North Lakhimpur visited the college and had an interactive session with the rice growers from the area and highlighted the importance of GI tag and other related issues.

Importantly, Journalists from the BBC news also visited and observed our rice bank and broadcasted the news. Time and again, students from different schools and colleges pay a visit to the rice bank as part of the education and field work.

Thus, it is found that Silapathar Science College, in addition to the academic activities, has been playing a distinctive role in terms of economic well-being of the locality, which is primarily an agro-based society.

It is hoped that Rice Bank of the college would surely perform a sustainable role in the preservation of varieties of indigenous rice seeds. The rice bank would continue its activities in order to generate research aptitude among the teachers and students in the near future. The Rice Bank and its related activities definitely help in strengthening the distinctiveness of the College.

### **Publications from the Rice Bank**

1. Published a book entitled "***Indigenous Rice varieties of Dhemaji district, Assam***", 2018. Authors: Dr. R. Saikia and Dr. Jitu Gogoi. Published by: Nevedita Prakakhan, Guwahati, 2018, **ISBN: 978-81-936776-8-1**. View Document

2. Published a research paper entitled “*Rice seed bank: A conservation initiative for indigenous rice varieties in Silapathar Science college, Dhemaji, Assam*”, 2018. Dimorian Review E-Journal, eISSN: 2394-9163. Authors: Dr. Jitu Gogoi and Dr. R. Saikia.
3. Published an article in English newspaper *The Assam Tribune* entitled “*Reviving Rice*”, 19 August, 2018.
4. Presented a paper in National Seminar entitled “*Established a Rice Museum in Silapathar Science College, Sillapathar, Assam*”.
5. Presented paper entitled “*Diversity of aromatic rice Joha in Dhemaji district of Assam*” in the international conference held in AAU, Jorhat, 2019.
6. View Document: Comment Book of visitors

File Description	Document
Appropriate web in the Institutional website	<a href="#">View Document</a>

## 5. CONCLUSION

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### **Additional Information :**

Silapathar Science College, situated at Amritpur village, near the commercial township of Silapathar in the Dhemaji district bordering Arunachal Pradesh, was established in 1996. The year 2021 is a commemorative year in the timeline of the college basically due to two reasons. Firstly, the institution completed its 25 years of journey as a premier institute of higher education disseminating knowledge of science to the poor and needy students of the area and secondly, it was provincialized by the Government of Assam on 5th February, 2021 (w.e.f. 01-01-2021).

The college is permanently affiliated to Dibrugarh University (UG Program) and temporarily to ASTU, Ghy (PG Course). In academic performance, the students of the institution have been able to bag the best graduate positions in 2018 and 2019 under the Dibrugarh University. The NSS Unit of the institution has also performed commendably and volunteers of this college has won the State NSS Award. Our student had participated in the National Youth Project 2016 and bestowed the “Bharat Ki Santan” Appreciation letter for their performance.

The institution aims at providing education for holistic development of the students and has established the Meditation and Personality Development Cell (MPDC) in 2013 for emphasizing upon the need of value-based education through various enrichment programs.

Being the only centre of science education in higher studies, the National Science Day (28th February) is observed with multifaceted activities for promotion and propagation of science among the young and adult. Through celebrations of festivals, observance of nationally/internationally important days, special days and birth days of state/national heroes, the College inculcates feelings of solidarity, patriotism, religious integration and communal harmony.

### **Concluding Remarks :**

Silapathar Science College has performed a commendable job in the dissemination of science education in this remote area amidst the economically weaker sections of the society. From the time of its establishment in 1996, when the 114 No Jonai(ST) Legislative Assembly was without any centre for higher learning in the field of science till 2021, the year of its provincialization by the state government, Silapathar Science College has devoted itself to the task of spreading education in science. There were innumerable challenges, such as financial constraint, dearth of faculty, lack of proper infrastructure, communication problems etc., but through whole-hearted dedication, sacrifice and will-power the college fraternity was able to overcome all the challenges and establish itself as a premier institute of science education. The college is devoted towards providing education for holistic development of the students and conducts many resourceful co-curricular/extension activities along with compulsory academic routine. It harbours a dream of transforming itself in to a knowledge hub, wherein scientific as well as local traditional knowledge can be accessed. Silapathar Science College will like to be famous as a resource centre where indigenous varieties of landrace rice and extinct orchid varieties are protected and conserved. As a higher educational centre, the institution tries to create its unique identity. The zeal for hardwork has gained further momentum since the institution was provincialized in 2021 and within very short it has prepared and readied itself for the 1st cycle of assessment and accreditation under NAAC.



## 6.ANNEXURE

### 1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																														
1.2.1	<p><b>Number of Add on /Certificate/Value added programs offered during the last five years</b></p> <p>Answer before DVV Verification : 0 Answer After DVV Verification :1</p>																														
1.3.2	<p><b>Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)</b></p> <p><b>1.3.2.1. Number of students undertaking project work/field work / internships</b> Answer before DVV Verification : 142 Answer after DVV Verification: 39</p>																														
2.1.1	<p><b>Enrolment percentage</b></p> <p><b>2.1.1.1. Number of students admitted year wise during last five years</b> Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>405</td> <td>374</td> <td>324</td> <td>302</td> <td>339</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>405</td> <td>294</td> <td>293</td> <td>301</td> <td>337</td> </tr> </tbody> </table> <p><b>2.1.1.2. Number of sanctioned seats year wise during last five years</b> Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	405	374	324	302	339	2021-22	2020-21	2019-20	2018-19	2017-18	405	294	293	301	337	2021-22	2020-21	2019-20	2018-19	2017-18					
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2.1.2	<p><b>Percentage of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (Exclusive of supernumerary seats)</b></p> <p><b>2.1.2.1. Number of actual students admitted from the reserved categories year - wise during the last five years</b> Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>110</td> <td>90</td> <td>101</td> <td>71</td> <td>107</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>110</td> <td>90</td> <td>101</td> <td>71</td> <td>107</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	110	90	101	71	107	2021-22	2020-21	2019-20	2018-19	2017-18	110	90	101	71	107										
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110	90	101	71	107																											

**2.1.2.2. Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18

**3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years**

**3.3.1.1. Number of research papers in the Journals notified on UGC CARE list year wise during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
3	0	6	0	5

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
3	0	5	0	1

Remark : as per supporting data template only one paper is listed for UGC. for 17 -18

**3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organised in collaboration with industry, community and NGOs) during the last five years**

**3.4.3.1. Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year wise during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
9	7	4	7	15

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
8	4	4	1	6

**3.5.1 Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.**

Answer before DVV Verification : 5

Answer After DVV Verification :4



4.1.2	<p><b>Percentage of expenditure, excluding salary for infrastructure augmentation during last five years (INR in Lakhs)</b></p> <p>4.1.2.1. <b>Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)</b></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="304 389 1046 524"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>13.71</td> <td>10.8</td> <td>21.97</td> <td>7.76</td> <td>25.2</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="304 602 1046 736"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>13.71</td> <td>10.8</td> <td>21.97</td> <td>7.76</td> <td>28.29</td> </tr> </tbody> </table> <p>Remark : input is edited as per supporting documents.</p>	2021-22	2020-21	2019-20	2018-19	2017-18	13.71	10.8	21.97	7.76	25.2	2021-22	2020-21	2019-20	2018-19	2017-18	13.71	10.8	21.97	7.76	28.29
2021-22	2020-21	2019-20	2018-19	2017-18																	
13.71	10.8	21.97	7.76	25.2																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
13.71	10.8	21.97	7.76	28.29																	
5.1.3	<p><b>Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years</b></p> <p>5.1.3.1. <b>Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="304 1095 1046 1229"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>150</td> <td>0</td> <td>39</td> <td>100</td> <td>150</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="304 1308 1046 1442"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>39</td> <td>54</td> <td>0</td> <td>89</td> <td>65</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	150	0	39	100	150	2021-22	2020-21	2019-20	2018-19	2017-18	39	54	0	89	65
2021-22	2020-21	2019-20	2018-19	2017-18																	
150	0	39	100	150																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
39	54	0	89	65																	
5.2.2	<p><b>Percentage of students qualifying in state/national/ international level examinations during the last five years (eg: JAM/CLAT/GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)</b></p> <p>5.2.2.1. <b>Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ Judicial Services/Public Prosecution services/All India Bar Exams/State government examinations) year wise during last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="304 1839 1046 1973"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>0</td> <td>2</td> <td>4</td> <td>9</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p>	2021-22	2020-21	2019-20	2018-19	2017-18	2	0	2	4	9										
2021-22	2020-21	2019-20	2018-19	2017-18																	
2	0	2	4	9																	

2021-22	2020-21	2019-20	2018-19	2017-18
2	0	2	4	7

**5.2.2.2. Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year wise during last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
2	0	2	4	9

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
2	0	2	4	7

5.3.2

**Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)**

**5.3.2.1. Number of sports and cultural programs in which students of the Institution participated year wise during last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
225	0	0	191	160

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
73	0	0	48	27

6.3.2

**Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years**

**6.3.2.1. Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	3	2	8

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	3	2	6

**6.3.3 Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years**

**6.3.3.1. Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
18	30	4	1	3

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
18	18	20	1	0

**6.3.3.2. Number of non-teaching staff year wise during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	0	0	0

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
25	25	25	25	25

**2.Extended Profile Deviations**

**Extended Profile Deviations**

No Deviations