

A photograph of the Seacom Skills University entrance gate. The gate is a large, arched structure made of brick and metal. The words "SEACOM SKILLS UNIVERSITY" are written in large, bold, black letters across the top of the arch. The gate is flanked by two brick towers. In the background, there are trees and a clear sky.

SEACOM SKILLS UNIVERSITY

EXPANDING THE BOUNDRIES OF KNOWLEDGE



ANNUAL REPORT

2022-23

AUGUST- JULY

Annual Report 2022-2023

ANNUAL REPORT

(AUGUST 2022–JULY 2023)



SEACOM SKILLS UNIVERSITY
KENDRADANGAL, BOLPUR- SANTINIKETAN
BIRBHUM, WEST BENGAL, INDIA
PIN-731238

Words from the Chancellor

While a decade may not be a long period in the life of a university, it represents a critical formative phase — one that lays the foundation and sets the direction for future growth. The first few years of Seacom Skills University have been a journey of building and reinforcing our vision: to provide holistic education tailored to the learning needs of our rural hinterland while aspiring toward global standards of excellence.



This tenth Annual Report reflects how well we have maintained this balance. The accomplishments chronicled here are not limited to academic milestones but also highlight significant progress in extra-curricular development. Initiatives such as the establishment of the Institution's Innovation Council (IIC) and the vibrant activities of the NDLI Club demonstrate our commitment to nurturing creativity, innovation, and digital literacy.

We take pride in the university's contribution to the District Annual Plan of Birbhum — an example of our growing role in regional development. Staying aligned with national priorities, we have proactively embraced the National Education Policy (NEP) 2020, integrating emerging technologies into our curricula and promoting research across disciplines.

However, we are mindful that resting on our laurels breeds complacency. The journey ahead is just as important. The next decade will see Seacom Skills University transitioning from its foundational stage to a phase of maturity and leadership. Our faculty, staff, and students remain steadfast in their dedication to this mission.

With that collective commitment, let us welcome a new academic year — renewed in purpose and inspired by the possibilities that lie ahead.

Sd/- Sumita Chakraborty

Chancellor

Seacom Skills University

Vice Chancellor's Message



It gives me immense pleasure to present the **Annual Report of Seacom Skills University for the academic year 2022–23**. This document is not only a record of our collective academic and administrative achievements but also a reflection of our university's commitment to **skill-oriented higher education, research, innovation, and social responsibility**.

Being only private university in Birbhum district and as the first **Skills University in West Bengal**, Seacom Skills University has continued its journey of growth with determination and vision. The year 2022–23 has been marked by **academic restructuring, research advancements, community outreach, and institutional development**. These achievements strengthen our students be ready to face the challenges of 21st century.

In line with the **National Education Policy 2020**, we have taken significant steps to make our programs more flexible, multidisciplinary, and future-oriented. The **four-year undergraduate model** with multiple entry and exit options has been introduced, supported by a credit transfer system and outcome-based curricula. Emerging fields such as **Data Science, Artificial Intelligence, Geo-Informatics, and Environmental Studies** have been integrated into our academic framework to keep pace with global educational and industry trends.

Our faculty members have been actively engaged in publishing research in reputed journals, attending seminars, and conducting training programs. With more than **200 publications** and **numerous faculty development initiatives**, we are steadily building a culture of inquiry and innovation. The establishment of the **Innovation Incubation Cell (IIC)** further provided a platform for nurturing student start-ups and entrepreneurial ventures.

Students of Seacom Skills University have brought laurels through their success in competitive examinations, professional placements, and research pursuits. Several of our graduates have secured positions in reputed organizations and research institutes, while others have excelled in national-level examinations such as **IBPS and CUET-PG**. These achievements reflect the quality of education and mentoring provided by our faculty members.

As we look ahead, we reaffirm our mission: **not merely to enrol students, but to equip them with the skills, values, and vision to become leaders, innovators, and responsible citizens**. With collective effort, Seacom Skills University will continue to grow as a beacon of skill-integrated higher education in India.

I convey my sincere thanks to all members Annual Report Preparation Committee for their relentless task to publish the Annual report 2022-23.

Sd/-

Prof. (Dr.) Prabir Mukhopadhyay

Vice Chancellor

Seacom Skills University

Annual Report 2022-2023

ANNUAL REPORT

(AUGUST 2022–JULY 2023)

SEACOM SKILLS UNIVERSITY
KENDRADANGAL, BOLPUR- SANTINIKETAN

PREPARED BY

ANNUAL REPORT PREPARATION COMMITTEE 2022-23

Dr. Ranjan Kumar Biswas (Convener)

Dr. Pranabesh Ghosh (Coordinator)

Dr. Amit Shankar Saha (Member)

Ms. Sanjukta Chakraborty (Member)

Mr. Abhishek Roy (Member)

Mr. Arindam Chakraborty (Member)

Ms. Priya Saha (Member)

Dr. Souradeep Chatterjee (Member)

PUBLISHED BY

REGISTRAR, SEACOM SKILLS UNIVERSITY

Contents

1. About the University	10
1.1. Brief History Growth and Genesis of the University	10
1.2. Vision and Mission	11
1.2.1. Vision	12
1.2.2. Mission	12
1.3. Locale of the University	12
1.4. Campus premises	13
2. University Administration	15
2.1. Institutional Structure Today	15
2.2. Leadership and Governance Structure	16
2.2.1. Key office bearers as on 31.07.2023	16
2.3. Organizational Structure	17
2.4. Academic Calendar of 2022-23	18
3. Academic Structure and Programs	20
3.1. Academic Programmes	20
3.2. Central Library	22
3.2.1. Library Automation and Management	22
3.2.2. Working Hours	23
3.2.3. NDLI Club Activities	23
3.3. Admission Overview (2022–23)	23
3.3.1. Admission Process:	23
3.3.2. Eligibility Criteria:	24
3.3.3. Outreach and Promotion:	24
3.3.4. Scholarships and Fee Concessions:	24
3.3.5. Student Diversity:	24
3.4. Student enrollment	24
4. Academic Highlights at a Glance: School-wise Overview	26
4.1. School of Agriculture	27
4.1.1. About the School	27
4.1.2. A. Divisions/Departments	27
4.1.3. School administration	29
4.1.4. Faculty position (both sanctioned and in position at the college)	30
4.1.5. A summary faculty profile	30
4.1.6. Credentials of the Faculty	31

4.1.7. Student Development	33
4.1.8. Theory and Practical Classes	34
4.1.9. Admission Process.....	35
4.1.10. Examination and Evaluation Process	40
4.1.11. Laboratories, and instructional farm.....	43
4.1.12. Student READY/In-Plant Training/ Internship/ Experiential Learning Programs.....	61
4.1.13. Curricula delivery through IT (Smart classrooms/ Interactive board etc.)..	73
4.2. School of Pharmacy	75
4.2.1. Faculty and Staff Details	76
4.2.2. Publication.....	76
4.2.3. Book Chapter.....	78
4.2.4. Patent	78
4.2.5. FDP, Lecture, Seminar, Workshop, Webinar, Conferences.....	79
4.2.6. Celebration & Events Conducted	79
4.2.7. Initiative for Students Development.....	81
4.2.8. Student Details:	84
4.3. School of Science.....	87
4.3.1. Department of Mathematics.....	87
4.3.2. Department of Physics	87
4.3.3. Department of Chemistry.....	89
4.4. School of Art & Culture	92
4.4.1. Overview	92
4.4.2. Course Overview	92
4.5. School of Social Sciences	96
4.5.1. Department of Rural Development and Management.....	96
4.6. School of Bio-Science.....	103
4.6.1. Goals.....	103
4.6.2. Details of Courses and Course-Wise Intake Capacity.....	104
4.6.3. School Infrastructure	104
4.7. School of Engineering.....	117
4.7.1. Department of Civil Engineering	117
4.7.2. Department of Electrical Engineering	121
4.7.3. Computer Science and Engineering	132
4.7.4. Mechanical Engineering.....	140

4.7.5. Department of Computer Applications	146
4.7.6. Best Practices of the Department	151
4.8. School of Paramedical and Allied Health Sciences	155
4.8.1. About the School / Department (including schools / departmental infrastructures):.....	155
4.8.2. Details of courses and course wise intake capacity:.....	155
4.8.3. Eligibility criteria of the Courses:	156
4.8.4. Faculty and Staff details (Name, Designation, Faculty / Staff present :	156
4.8.5. Paper publication by faculty under SSU:	157
4.8.6. Any Book published by faculties:	157
4.8.7. School / Department Details:.....	157
4.8.8. Students Details (Total Number – UG, DIPLOMA & VOCATIONAL): ..	158
4.8.9. Other details, if any, which are important for the preparation of Annual Report:	159
4.9. School of Commerce and Management Studies	160
4.10. School of Legal Studies	161
4.10.1. Courses and course wise intake capacity:	161
4.10.2. Faculty and staff:	161
4.10.3. School details:	161
4.10.4. Celebration and Events Conducted:	162
4.10.5. Initiative for Student Development:	163
4.10.6. Conclusion.....	163
4.11. School of Humanities:.....	164
4.12. School of Language and Literature	192
5. Celebrations and Special Events:	201
5.1.1. Independence Day (15th August 2022):.....	201
5.1.2. Mahatma Gandhi Jayanti Celebration and Swachh Bharat Abhiyan (Date: 2 nd October 2022):.....	201
5.1.3. Republic Day (26th January 2023):.....	201
5.1.4. Celebration of Acharya Prafulla Chandra Roy Birthday:.....	202
5.1.5. International Yoga Day (21 st June 2023):	202
5.1.6. World Environment Day (5th June 2023):	203
5.1.7. National Science Day (28th February 2023):.....	203
5.1.8. Legal Awareness Program (27th June 2023):	203
5.1.9. Seminar on Cancer Immunology (27 Aug 2022):	204
5.1.10. World Pharmacists Day 2022 (27 Sep 2022):	204

5.1.11. Orientation and Induction Program 2022 (14 th September 2022):	204
5.1.12. National Pharmacy Week 2022:	205
5.1.13. Farewell 2023 (23 June 2023)	206
5.1.14. Constitution Day Celebration (26 th November 2022) :	206
5.1.15. Poster Competition on Bee Keeping :	206
5.1.16. Excursion 2023	207
5.1.17. Handmade Jewellery Exhibition (13-15 th September 2023):	207
5.1.18. Creative Mask Design Workshop (30 th –31 st March 2023):.....	208
5.1.19. Talent Hunt Competition Football:	208
5.1.20. Biswakarma Puja Celebration (17 th September 2022):	209
5.1.21. Saraswati Puja Celebration at Seacom Skills University (26 th January 2023).....	209
5.1.22. Basanta Utsav (06 th March 2023):.....	210
5.1.23. Rabindra Jayanti (9 th May 2023):	210
5.1.24. Teachers' Day Celebration (5 th September 2022):.....	210
5.1.25. RITMO Fest 2023 (5-6 th May,2023):	210

1. About the University

Seacom Skills University, a premier private institution, is located in the Birbhum district of West Bengal. The University was established in alignment with the Government of West Bengal's education policy, as notified in the Official Gazette (Notification No. 142-Edn(U) dated 31/01/2013), and is recognized under Section 2(f) of the University Grants Commission (UGC) Act, 1956. It was formally instituted through the Seacom Skills University Act, 2014 (West Bengal Act VI of 2014), passed by the West Bengal Legislative Assembly and received the assent of the Hon'ble Governor of West Bengal on 11th April 2014 (Gazette Notification No. 396-Edn(U)/OM-155L/2012).

1.1. Brief History Growth and Genesis of the University

Seacom Skills University holds the distinction of being the only skills-based university in the state of West Bengal. In addition to its core focus on skill development, the university offers a broad spectrum of academic programs across disciplines such as General Arts & Humanities, Fine Arts, Science, Commerce, Management, Law, Engineering, Pharmacy, and Agriculture at the undergraduate, postgraduate, and doctoral levels. Since its inception in 2014, the university began by offering courses in General and Engineering streams, setting its roots in the rural landscape of Bengal. Nestled within a verdant 59-acre campus, the university features state-of-the-art infrastructure, modern classrooms, and advanced laboratory facilities, all aligned with a forward-thinking curriculum designed for the 21st century. Its inclusive approach aims not only to enhance the quality of education but also to contribute to the region's sustainable socio-economic development. Over time, Seacom Skills University has expanded significantly. The School of Agriculture and the School of Pharmacy were established in 2017, followed by the School of Legal Studies in 2019. Most recently, the university introduced programs in Medical Technology, reflecting its ongoing commitment to addressing emerging academic and professional fields. The institution has made remarkable strides in academic excellence, extracurricular engagement, and capacity-building initiatives for both students and faculty. Its accomplishments have been recognized through prestigious accolades such as the 'Best Private University of the Year' award from ASSOCHAM and the 'Best University in Holistic Education' honor from News18 Bangla. During the COVID-19 pandemic, Seacom Skills University stood at the forefront of community outreach by offering vaccination services and distributing sanitizers to local residents,

exemplifying its sense of social responsibility. Realizing the urgent need to protect our planet in the Anthropocene era, the university places strong emphasis on environmental awareness and sustainability, actively engaging students in conservation efforts. This commitment enriches the educational experience by fostering a holistic approach to learning. Believing in the integrated development of mind and body, the university provides comprehensive sports facilities, including well-maintained grounds and modern equipment. Annual sports meet and interdepartmental tournaments are regularly organized, encouraging students to showcase their athletic talents and promoting physical well-being alongside academic growth.

Seacom Skills University is committed to fostering both employment and employability through its dedicated Innovation and Incubation Center (IIC). As part of its global outreach and knowledge-sharing initiatives, the university has established academic and research collaborations with several esteemed international institutions through formal Memoranda of Understanding (MoUs). These partner institutions include George Mason University, Fayetteville State University, Near East University, and Asia University. Furthermore, the Canada-India Centre for Excellence (CICE) at Carleton University is set to collaborate with Seacom Skills University to launch new initiatives focused on advanced skill development. Demonstrating its commitment to inclusive regional development, the university has adopted five neighboring villages, where it regularly conducts skill enhancement programs, entrepreneurship development workshops, and other community-oriented activities under the District Annual Plan. In addition, Seacom Skills University is actively working toward establishing a cutting-edge 3D Printing Technology Laboratory in collaboration with the University of Eastern Finland. This initiative is part of the university's broader vision to evolve into a recognized center of excellence in emerging technologies and applied innovation.

1.2. Vision and Mission

Seacom Skills University represents the latest initiative of a renowned Kolkata-based charitable trust, which has been actively engaged in diverse educational and social development activities for over a decade. With a forward-looking vision, the group has introduced a novel approach to engineering and technical education—placing strong emphasis on industry relevance and practical skill development to instill greater confidence and employability in its students. To remain aligned with evolving technological and industrial demands, the university regularly engages domain experts

and industry professionals, ensuring its programs stay current and impactful. The university is committed to delivering high-quality technical education while nurturing intellectual growth, ethical values, and a strong sense of professional responsibility. Its goal is to develop a talent pool that can meet the dynamic needs of industry as well as contribute meaningfully to research and innovation. This visionary educational venture is led by the trust's Chairman, Mr. Anish Chakraborty, under whose able leadership the institution continues to grow and thrive.

1.2.1. Vision

- To emerge as a national pioneer in integrating education with Embedded Employable Skills Training (EEEST), setting new standards for skill-based learning in India.
- To establish itself as a hub of “Skilled Knowledge” with a lasting impact at the local, regional, and national levels.
- To evolve into a distinguished center for socio-economic development, driving inclusive growth and community empowerment.

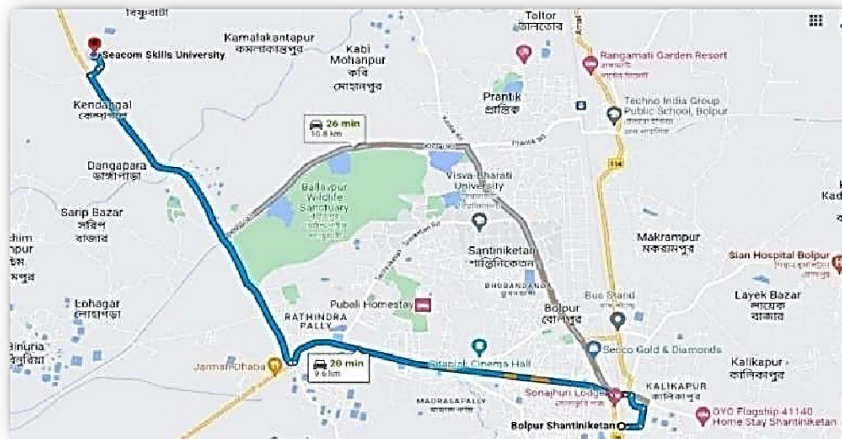
1.2.2. Mission

- To enhance the quality of life—both individual and collective—through the delivery of holistic education integrated with employable skill development. The University is committed to promoting "Education for the Good Life," reflected in every action and initiative, guided by a deep respect for the interdependence of knowledge and skills. This philosophy underscores every level of academic and practical engagement, fostering meaningful, lifelong learning.

1.3. Locale of the University

Seacom Skills University is strategically located along the Bolpur–Suri State Highway, offering excellent connectivity across inter-state and intra-state networks through rail, road, and air. The campus is just 12 kilometers from the Bolpur–Santiniketan railway station and approximately 7 kilometers from the renowned Visva-Bharati University. It is also well connected to the district headquarters at Suri, which lies 28 kilometers away. In terms of air travel, the university enjoys access to two major airports—Netaji Subhas Chandra Bose International Airport in Kolkata and the Kazi Nazrul Islam Airport in Andal, West Bardhaman, located 72 kilometers from the campus. Geographically, the university is positioned at 23°42' N latitude and 87°38' E longitude, with an elevation of

58 meters above mean sea level. The expansive campus spans 46.10 hectares (approximately 114 acres), offering a serene and conducive environment for academic and professional growth. Notably, Seacom Skills University attracts students not only from across West Bengal but also from neighboring states such as Sikkim, Assam, Jharkhand, and Bihar, as well as international students from countries like Bangladesh, reflecting its growing reputation and academic outreach.



**Location of
SSU**

**Satellite view of
SSU Campus**



1.4. Campus premises

Seacom Skills University has a sprawling 59-acre green campus with state-of-the-art infrastructure, modern classrooms, and well-equipped laboratory facilities. Curriculum & Pedagogy for the 21st century. Twin degree curriculums resulting in year saving. Experienced faculty members of national and international repute. State-of-the-art world class library. 360-degree holistic development of an individual. Strong industry connects and accreditation of global partners. Innovative Case based teaching methodology and pedagogy. Individual care and special coaching for higher studies and competitive

examination. Soft Skills training and Personality Development workshop for each and every student. 24 Hours Medical, Hostel & Transport facilities. Scholarships & Financial Aid for meritorious and needy students with Bank Loan facilities. Caring Practices that engage the students and re-assure their parents. Campus community unleashes the synergy and potentials of each and every individual. Comprehensive conception of the idea of education. We have got about 1.5 lakhs sq. ft. infrastructure as of now and within the next five years our honorable chairman is expecting 3 lakhs increase in its area in the near future thus making an enormous and flourished green campus and indulging in various types of research-oriented projects and helping in developing the student's future.



360° Virtual Tour

2. University Administration

2.1. Institutional Structure Today

Seacom Skills University, established under the **Seacom Skills University Act, 2014 (West Bengal Act No. VI of 2014)**, is a private university recognized by the **University Grants Commission (UGC)** under Section 2(f) of the UGC Act, 1956. The **Chancellor**, currently **Smt. Sumita Chakraborty**, is the ceremonial head of the University, while the **Vice-Chancellor, Prof. (Dr.) Prabir Mukhopadhyay**, is the chief academic and executive officer.

The powers, functions, and organizational framework of the University are defined by the Act and Statutes of Seacom Skills University. These statutes ensure academic autonomy, participative governance, and institutional accountability.

The principal authorities responsible for the governance and administration of the University include:

- **Governing Body** – The highest policy-making body, responsible for overarching strategic decisions and policy formulation..
- **Finance Committee** – Advises on financial matters, budget planning, and resource allocation.
- **Research Board** – Oversees all matters related to research, innovation, and doctoral programs.
- **Academic Council** – The apex academic body responsible for academic planning, curriculum approval, and quality assurance.
- **Faculty Councils** – Acts as an intermediary academic body within each School, coordinating academic matters, moderating internal assessments, and aligning departmental objectives with institutional goals.
- **Board of studies**
- **Examination board-**
- **Publication Board-** Oversees and coordinates all university publications including journals, research bulletins, magazines, and ensures quality and academic integrity in published content.

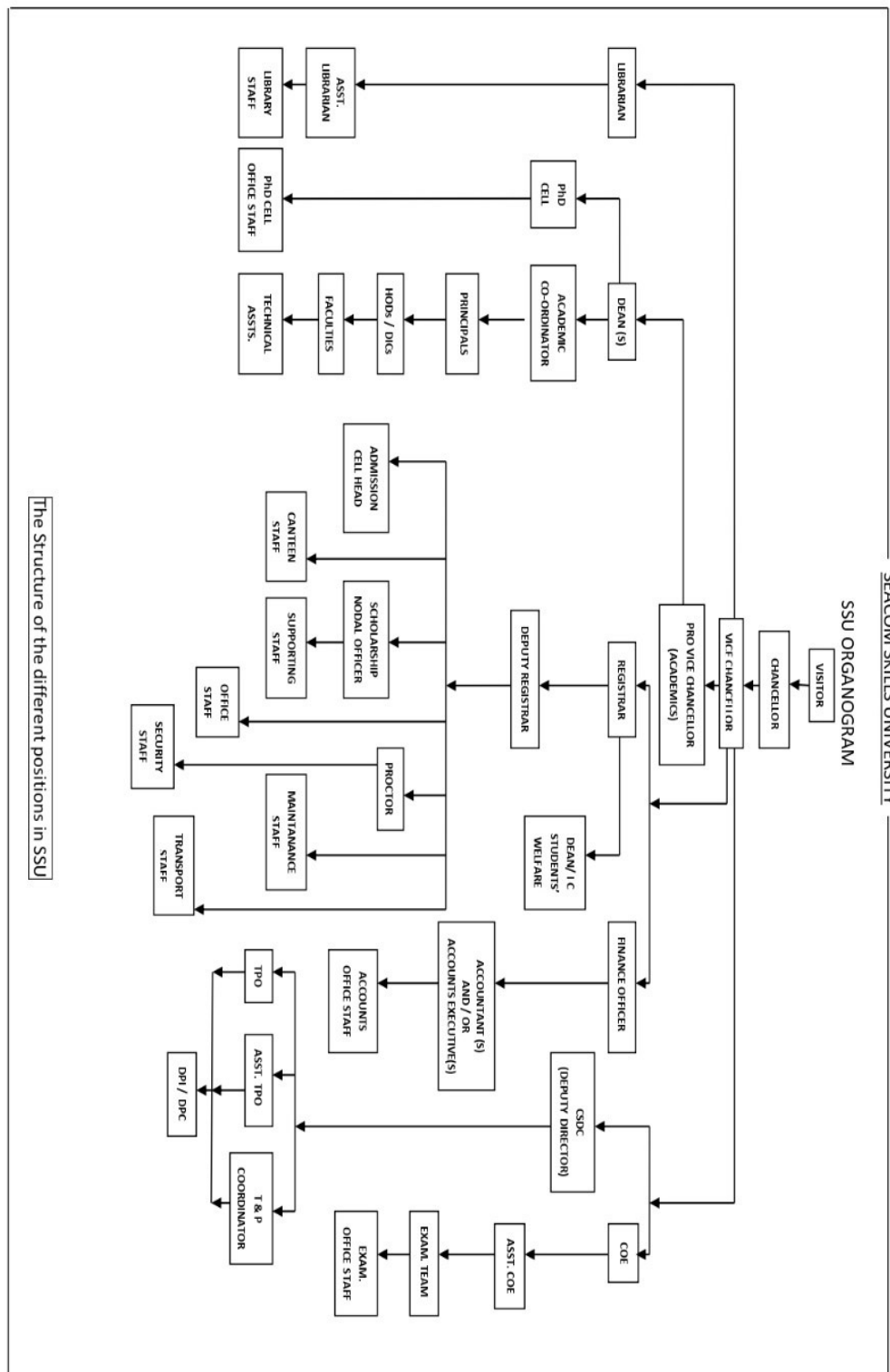
- **Students Board**
- **Anti-ragging board**
- **Internal Complaints Committee**
- **Grievance Committee for Students as well as for employees**

2.2. Leadership and Governance Structure

2.2.1. Key office bearers as on 31.07.2023

Sl. No.	Name	Designation
1.	Prof. (Dr.) Prabir Mukhopadhyay	Vice Chancellor
2.	Dr. Deb Kumar Panja	Pro Vice Chancellor (Academics)
3.	Dr. Nirmalya Ghosh	Registrar
4.	Mr. Hruday Ballav Behera	Finance Officer
5.	Prof. (Dr.) Indrani Bhattacharya	Director, IR SPR IIC
6.	Dr. Pranabesh Ghosh	Dean, Doctoral Studies & Academic coordinator
7.	Dr. Saurav Ghosh	Controller of Examination
8.	Dr. Saswati Pal Choudhuri Mandal	Librarian
9.	Kishore Kumar Bhowmick	Deputy Registrar
10.	Mr. Kaushik Chakraborty	Head, Admission Cell
11.	Mr. Susanta Kumar Ghosh	In-Charge Student Welfare (ISW)

2.3. Organizational Structure

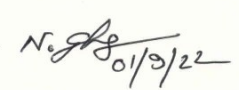


2.4. Academic Calendar of 2022-23

 SEACOM SKILLS UNIVERSITY ACADEMIC CALENDAR: 2022-2023				
Month	Regular Classes	Examinations	Holiday's	Co-Curricular Activities
August	1 st August (Mon): Regular Classes Begin for Odd Semester		9 th Aug (Tues): Muharram 15 th Aug (Mon): Independence Day	15 th Aug: Celebration of Independence Day
September	Regular Classes Continue 14 th Sep (Wed): Starting of 1 st Semester Classes for Odd Semester		17 th Sep (Sat): Biswakarma Puja 25 th Sep (Sun): Mahalaya	17 th Sep: Celebration of Bishwakarma Puja 20 th Sep (Tues) - 23 rd Sep (Fri): Induction Program for all 1 st Semester Students (Fresher's Welcome)
October	Regular Classes Continue		2 nd Oct (Sun): Gandhi's B'Day 1 st Oct (Sat) - 5 th Oct (Wed): Durga Puja Vacation 9 th Oct (Sun): Id-E-Milad 9 th Oct (Sun): Laxmi Puja 24 th Oct (Mon): Kali Puja 25 th Oct (Tues): Diwali 27 th Oct (Thurs): Bhatridwitiya	2 nd Oct (Sun): Swachh Bharat Abhiyan
November	Regular Classes Continue	1 st Nov (Tues) - 7 th Nov (Mon): Internal Examinations for Intermediate Semesters Batches 14 th Nov (Mon) - 19 th Nov (Sat): Practical Examinations for Intermediate Semesters Batches	8 th Nov (Tues): Guru Nanak's B'Day	1 st Nov (Tues): Annual SSU Thanksgiving Day (B'Day Celebration of Co-founder) 8 th Nov (Tues): Guru Nanak's B'Day Celebration
December	Regular Classes Continue for 1 st Semester Batches	9 th Dec (Fri) - 21 st Dec (Wed): Odd Semester Examinations for Intermediate Semesters Batches 31 st Dec (Sat): Publications of Results of Intermediate Semester Batches	25 th Dec (Sun): Christmas	
January	2 nd Jan (Mon): Regular Classes begin for Even Semester Batches (Except 2 nd Semester)	3 rd Jan (Tues) - 10 th Jan (Tues): Internal Examinations for 1 st Semester Batches 16 th Jan (Mon) - 21 st Jan (Sat): Practical Examinations for 1 st Semester Batches	23 rd Jan (Mon): B'Day of Netaji 26 th Jan (Thurs): Republic Day 26 th Jan (Thurs): Saraswati Puja	26 th Jan (Thurs): Celebration of Republic Day 26 th Jan (Thurs): Saraswati Puja Celebration


01/09/2022




01/09/22

February	Regular Classes Continue	7 th Feb (Tues)- 16 th Feb (Thurs): Odd Semester Examinations for 1 st Semester Batches		23 rd Feb (Thurs) -24 th Feb (Fri): Annual Sports
	20 th Feb (Mon): Regular Classes begin for 2 nd Semester	25 th Feb (Sat): Publications of Results of 1 st Semester Batches		
March	Regular Classes Continue		7 th Mar (Tues): Doljatra	6 th Mar (Mon): Celebration of Basanta Utsav in 2 nd Half from 3 PM - 5 PM
			8 th Mar (Wed): Holi	
April	Regular Classes Continue	12 th April (Wed) - 20 th April (Thurs): Internal Examinations for Terminal Semester Batches	14 th Apr (Fri) : Ambedkar Jayanti	14 th April (Fri): Celebration of Ambedkar Jayanti
			15 th Apr (Sat) : Bengali New Year	
			22 nd Apr (Sat): Eid-UI-Fitr	
May	Regular Classes Continue	15 th (Mon) - 20 th May (Sat): Internal Exams (Except Terminal Semester Batches)	1 st May (Mon): May Day	1 st May (Mon): Celebration of May Day
		23 rd May (Tues) - 31 st (Wed) May: Terminal Semester Practical Examinations	9 th May (Tues): Rabindra Jayanti	9 th May (Tues): Kabi Guru's B'Day Celebration
June	Regular Classes Continue	13 th (Tues) June – 23 rd (Fri) June: Even Semester Examinations for Terminal Semester Batches	29 th June (Thurs): Eid-UI-Zoha (Bakri Eid)	
July		1 st July (Sat): Publications of Results of Terminal Semester Batches	29 th July (Sat): Muharam	15 th July (Sat): Founder's Day Celebration (B'Day Celebration of Founder)
		4 th July (Tues) - 22 nd July (Sat) July: Even Semester Examinations (Except Terminal Semester)		
		31 st July (Mon): Publications of Results of Even Semester (Except Terminal Semester)		

ACADEMIC SESSION 2023-2024

August	1 st August (Tues): Regular Classes Begin for Odd Semester (Session: 2023-24)		15 th Aug (Tues): Independence Day	15 th Aug: Celebration of Independence Day
--------	--	--	---	---

[Signature]
01/09/2022

Academic Coordinator

Academic Co-ordinator
SEACOM SKILLS UNIVERSITY
Kendradangal, Bolpur
Birbhum-731236



[Signature]
N. S. 01/09/22

Registrar

REGISTRAR
SEACOM SKILLS UNIVERSITY
KENDRADANGAL, BIRBHUM-731236

3. Academic Structure and Programs

Seacom Skills University has developed a multidisciplinary academic framework that supports both foundational learning and specialized skill development. During the academic year 2022–23, the University offered **100+ academic programs** across **13 Schools**, spanning undergraduate, postgraduate, diploma, and doctoral levels.

These Schools cater to a broad spectrum of disciplines—from engineering and legal studies to agriculture, pharmacy, life sciences, health sciences, visual arts, arts & humanities and commerce & Management. The programs are continuously updated to meet evolving industry needs, ensure alignment with national education policies (such as NEP 2020), and foster an environment of innovation and applied learning.

3.1. Academic Programmes

SEACOM SKILLS UNIVERSITY				
ACADEMIC PROGRAMME				
SL · N O.	SCHOOL	STREAM/ DEPARTMENT	COURSE	DURATI ON
1	SCHOOL OF ENGINEERING	MECHANICAL, CIVIL, ELECTRICAL, COMPUTER SCIENCE	B.TECH	4 YRS
			B.TECH (LAT)	3 YRS
			M.TECH	2 YRS
			INT. B.TECH	5+1 YRS
2	SCHOOL OF COMMERCE AND MANAGEMENT STUDIES	ACCOUNTANCY	B.COM	3 YRS
			M.COM	2 YRS
		HOTEL MANAGEMNET	BHM	4 YRS
		BUSINESS ADMINISTRATION	BBA (H)	3 YRS
		HUMAN RESOURCE, FINANCE, MARKETING, RURAL DEVELOPMENT MANAGEMENT, BANKING, RETAIL	MBA	2 YRS
3	SCHOOL OF PHARMACY	PHARMACY	B.PHARM	4 YRS
			B.PHARM(LAT)	3 YRS
			D.PHARM	2 YRS
4		LAW	B.A. LLB	5 YRS

	SCHOOL OF LEGAL STUDIES		LLB	3 YRS
		CORPORATE AND COMMERCIAL LAW	LLM	2 YRS
5	SCHOOL OF AGRICULTURE	AGRICULTURE, HORTICULTURE	B. SC. (H)	4 YRS
		AGRONOMY, SOIL SCIENCE AND AGRICULTURAL CHEMISTRY, HORTICULTURE, PLANT PATHOLOGY, GENETICS AND PLANT BREEDING, AGRICULTURAL ENTOMOLOGY, AGRICULTURE EXTENSION, AGRI BUSINESS MANAGEMENT (ABM)	M.SC. (Ag)	2 YRS
6	SCHOOL OF BIO SCIENCE	ZOOLOGY, BOTANY, FOOD & NUTRITION, BIOCHEMISTRY, ENVIRONMENTAL SCIENCE, MICROBIOLOGY, BIOTECHNOLOGY, FORESTRY, FISHERIES SCIENCE	B.SC.	3 YRS
			M.SC.	2 YRS
7	SCHOOL OF COMPUTER APPLICATIONS	COMPUTER APPLICATIONS	BCA (H)	3 YRS
			MCA	2 YRS
8	SCHOOL OF SCIENCE	PHYSICS, CHEMISTRY, MATHEMATICS, GEOGRAPHY, ECONOMICS	B.SC.	3 YRS
			M.SC.	2 YRS
9	SCHOOL OF LANGUAGE AND LITERATURE	BENGALI, ENGLISH, SANSKRIT	B.A.	3 YRS
		BENGALI, ENGLISH, SANSKRIT	M.A.	2 YRS
10	SCHOOL OF HUMANITIES	GEOGRAPHY, EDUCATION, ECONOMICS, SOCIOLOGY, PHILOSOPHY, HISTORY, POLITICAL SCIENCE	B.A.	3 YRS
			M.A.	2 YRS
11	SCHOOL OF ART & CULTURE	PAINTING, SCULPTURE	BFA	3 YRS
			MFA	2 YRS
12	SCHOOL OF SOCIAL SCIENCE	SOCIAL WORK	BSW	3 YRS
			MSW	2 YRS
		RURAL STUDIES, WOMEN STUDIES	BA	3 YRS
			MA	2 YRS
		RURAL DEVELOPMENT AND MANAGEMENT (RDM)	B.SC. (H)	3 YRS
			M. SC.	2 YRS
13	SCHOOL OF PARAMEDICAL AND HEALTH SCIENCE	MEDICAL LAB TECHNOLOGY	BMLT	3 YRS + 6 MONT HS

			DMLT	2 YRS+ 6 MONT HS
14	DOCTORAL STUDIES	SCIENCE, ARTS, COMMERCE, MANAGEMENT, AGRICULTURE, PHARMACY, LEGAL STUDIES	Ph.D	
		ENGINEERING		

3.2. Central Library

The **Central Library** of Seacom Skills University plays a pivotal role in supporting academic and research activities across all disciplines. Established in **2014**, the library was created to meet the evolving needs of students, faculty, and research scholars. It not only complements classroom instruction but also broadens the scope of knowledge through access to research-based resources and digital content.

A **Library Development Committee** was formed to guide its expansion and modernization. The current library building is spacious, with dedicated reading zones, digital access points, and room for future infrastructural growth.

3.2.1. Library Automation and Management

The University Library is **fully automated** using the **KOHA Integrated Library Management System (ILMS)**. Key features include:

- **Complete Cataloguing** of books with **unique Barcodes and DDC numbers**.
- **Automated Issue and Return** of books through KOHA.
- **Real-time tracking** of circulation history, both book-wise and student-wise.
- Seamless integration of new acquisitions and digital resources into the database.

This efficient system ensures transparency, accuracy, and user convenience in managing the library's resources.

3.2.2. Working Hours

The Central Library remains open from **9:00 AM to 6:00 PM, Monday to Friday**, and remains closed on **Saturday and Sunday and official holidays** as per the University Academic Calendar.

3.2.3. NDLI Club Activities

The **NDLI (National Digital Library of India) Club** at Seacom Skills University functions under the stewardship of the Central Library, aiming to promote digital learning and resource sharing among students and faculty. The Club actively participated in various academic and cultural observances throughout the academic year 2022–23, emphasizing knowledge exchange and national-level engagement through the NDLI platform.

3.2.3.1. Leadership and Organization

The NDLI Club is guided by a dedicated team:

- **Patron:** Prof. (Dr). Prabir Mukhopadhyay
- **President:** Dr. Amit Sankar Saha
- **Secretary:** Dr. Saswati Pal Choudhuri
- **Member:** Dr. Kiswar Parween

3.3. Admission Overview (2022–23)

The academic session 2022–23 witnessed a significant surge in student interest and enrollment across various disciplines at Seacom Skills University. The University maintained its commitment to accessible, inclusive, and career-focused education by streamlining the admission process and expanding outreach initiatives.

3.3.1. Admission Process:

- ✱ Both **offline and online modes** were used to facilitate applications through the University's ERP system.
- ✱ Dedicated **Help Desks and Counseling Teams** assisted applicants in program selection and eligibility guidance.
- ✱ Spot admissions were also conducted at University fairs and outreach centers.

3.3.2. Eligibility Criteria:

- ★ Admissions were granted based on the minimum academic qualifications prescribed by respective statutory bodies namely **ICAR, AICTE, PCI, BCI, and UGC**.
- ★ Lateral entry schemes were provided for diploma holders into UG programs.
- ★ Provisions for **reserved category and economically weaker section (EWS)** applicants were followed as per government norms.

3.3.3. Outreach and Promotion:

- ★ The Admission Cell organized **awareness campaigns, school visits, and career counseling sessions** across multiple districts in West Bengal and adjoining states.
- ★ Collaborations with NGOs, educational consultants, and alumni played a crucial role in promoting awareness about skill-based courses and career outcomes.

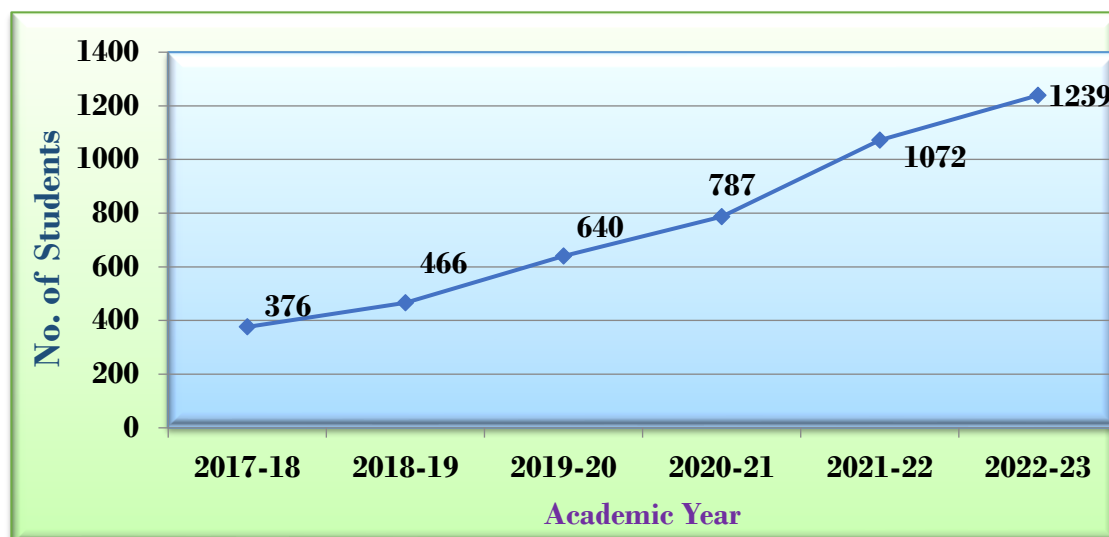
3.3.4. Scholarships and Fee Concessions:

- ★ The University offered **merit-based scholarships, girl-child incentives**, and fee waivers for deserving students from marginalized backgrounds.
- ★ Tie-ups with government schemes (such as Swami Vivekananda Scholarship and Kanyashree) helped students avail financial assistance.

3.3.5. Student Diversity:

- ★ Students from across India as well as international students from Bangladesh and neighboring countries were admitted, creating a culturally vibrant and globally enriched campus environment.

3.4. Student enrollment



The student enrollment at Seacom Skills University has witnessed a remarkable and consistent upward trajectory over the years, reflecting the institution's growing reputation and expanding academic offerings. Beginning with 376 students in the academic year 2017–18, the university saw steady growth with enrollments rising to 466 in 2018–19 and further to 640 in 2019–20. This momentum continued through 2020–21 with 787 students and reached 1,072 in 2021–22. The academic year 2022–23 marked another significant increase with 1,239 students enrolled.

4. Academic Highlights at a Glance: School-wise Overview

Seacom Skills University comprises multiple specialized Schools offering a broad and multidisciplinary academic framework. These include the School of Engineering (Mechanical, Civil, Electrical, and Computer Science), School of Commerce and Management (Accountancy, Business Administration, HR, Finance, Hotel Management), and School of Pharmacy (Bachelor's and Diploma programs). Legal education is provided through the School of Legal Studies, while the School of Agriculture offers courses in Agriculture and Horticulture. The Schools of Bio Sciences, Science, and Computer Applications cover core and applied sciences. Language, literature, and cultural studies are offered by the School of Humanities and School of Language and Literature (English, Bengali, Sanskrit), and Social Sciences. Creative programs are run by the School of Art & Culture, while healthcare education is offered through the School of Paramedical and Health Sciences.

	School of Agriculture	
	School of Bio-Science	
	School of Commerce and Management	
	School of Computer Application	
	School of Engineering	
	School of Humanities	
	School of Language and Literature	
	School of Legal Studies	
	School of Paramedical and Health Science	
	School of Pharmacy	
	School of Science	
	School of Social Science	
	School of Art & Culture	

4.1. School of Agriculture

4.1.1. About the School

School of Agriculture (SOA) under the aegis of Seacom Skills University had started its functioning with the introduction of under graduate (UG) degree courses in Agriculture in the name of B.Sc. (Hons.) Agriculture in the year of 2017. First batch of students in B.Sc. (Hons.) Agriculture degree course was admitted in the academic session: 2017-18. The student intake in UG course was gradually increased to 158 in the current academic session (2021-22).

School of Agriculture to start with had 8 laboratories and 6 classrooms and instructional unit in an area of 22 ha. At present with the addition of new academic block the SSU has 10 classrooms (6 smart class rooms), 15 well equipped modernized laboratories, 7 field laboratories, instructional unit, computer lab, language lab and digital library.

The nomenclature of the undergraduate degree program was re-christened as B.Sc. (Hons.) Agriculture with effect from 2017-2018 as per the recommendation of Fifth's Deans' Committee Report of ICAR.

4.1.2. A. Divisions/Departments

1. Agronomy + (Agro-forestry)
2. Agricultural Economics + (Basic Economics, Maths & Computer Science and Statistics)
3. Agriculture Extension & Communication + (Sociology and Psychology, English)
4. Entomology
5. Genetics & Plant Breeding + (Seed Science & Technology)
6. Horticulture + (Food Science & Technology)
7. Soil Science and Agricultural Chemistry + (Microbiology, Agro-meteorology, Environmental Sciences)
8. Plant Pathology

B. Sections

9. Animal Sciences including Fisheries, Dairy Sciences & Poultry units
10. Agriculture Engineering + (Farm Management)
11. Biochemistry and Crop Physiology

Functions of the Departments

Agronomy + (Agro-forestry) is undertaking multidisciplinary activities. Students are

given with hands on training on field preparation, irrigation management, weed management, practical crop production, agro-forestry models, and afforestation programs.

Agricultural Economics + (Basic Economics, Mathematics & Computer Science and Statistics) is committed to provide agriculture based computer education. It builds confidence among the students to make themselves experts in the field of computers and economics of crop production, marketing, finance, design of experiments, and data analysis.

Agriculture Extension & Communication + (Sociology and Psychology, English) focuses on extension and communication methods, transfer of technology and rural communication models, Rural Agricultural Work Experience, Internship, farmer's linkage, Farmers Producing Company, NGO, Department of Agriculture, Entrepreneurship development, and e-extension etc.

Entomology imparts education on morphology, physiology and taxonomy of insects, identification and management of pests in field & horticultural crops, storage pest, nematode management.

Genetics & Plant Breeding + (Seed Science & Technology) involves in teaching of fundamentals of agricultural botany, genetics and plant breeding, developing new plant cultivars through hybridization and tissue culture, study of seed structure, biology, seed dormancy, germination, development, maturation.

Horticulture + (Food Science & Technology) provides education on plant propagation techniques, production technologies of fruits, vegetables, flowers, medicinal plants, spices & condiments, landscaping, value addition in horticultural crops and studying nursery tools, garden implements / equipment and other accessories, application of basic sciences and engineering to study the fundamentals of physical, chemical and biochemical nature of foods, and the principles of food processing, also food composition, balanced diet, deficiency diseases and overcoming deficiencies, and value addition of various products.

Soil Science and Agricultural Chemistry + (Microbiology, Agro-meteorology, Environmental Sciences) Soil sampling techniques, soil resource inventory, soil fertility, management of problematic soils, identification of deficiency symptoms, isolation, identification, examination and culturing of microorganisms from soil and plant samples, study of various weather elements and finalizing cropping activities and crop weather fore casting, analysis of irrigation water/ waste water, and contaminated soil.

Plant Pathology imparts education on morphology and spore characters of fungi, bacteria, identification and management of diseases in field & horticultural crops, and mushroom production technologies.

Animal Sciences including Dairy Sciences & Poultry units deals with production and management of livestock, poultry and goat.

Agriculture Engineering + (Farm Management) imparting skills on design of agricultural machineries, equipment, agricultural processing, agricultural resource management, surveying and land profiling instruments, renewable energy gadgets, and soil and water conservation.

Biochemistry and Crop Physiology focuses on study of protein, fat, enzymes, amino acids, metabolic pathways, cell structure, abiotic stress management, and nutrient deficiency symptoms.

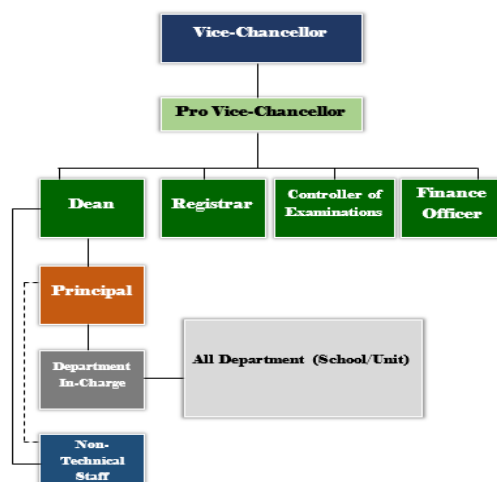
4.1.3. School administration

School of Agriculture is headed by the Dean who is appointed in regular position by a selection committee with the Vice Chancellor as the chairman. The Dean is the overall in charge of the college and responsible for overseeing, monitoring and looking after all academic activities of the school. The Dean is accountable to the Vice Chancellor through Pro-Vice Chancellor in discharging his duties and functions. There is a Principal in School of Agriculture who is accountable to the Dean for all his duties and functions. The Principal functions through the In-charge of different departments with respect to all matters related to academics of the students.

Each department is headed by an In-charge named as In-charge of the department who is directly accountable to the Dean and works under the Principal as the immediate controlling officer to the In-Charge of the departments are associated with faculties of the department in respect of conducting classes, completion of syllabus, progress of classes, holding all tests, remedial and tutorial classes, student attendance, e-learning system and all such other matters related to the academic performance of students in semester wise programs.

Non-teaching staff allotted to School of Agriculture is accountable to the Dean of school with Principal as the immediate controlling officer. All non-teaching staff discharge their duties as assigned to them by the Dean/Principal from time to time.

Organogram of School of Agriculture



4.1.4. Faculty position (both sanctioned and in position at the college)

The School of Agriculture (SOA) is endowed with a required competent Faculty as prescribed by ICAR. The management is very careful to appoint well qualified teachers with sufficient background knowledge in the respective disciplines in Agriculture Science.

Nodal Officer	: Prof. (Dr.) Prabir Mukhopadhyay Dean (Officiating)
Whether Dean's post is sanctioned as per ICAR Model Act/UGC guidelines	: Yes

4.1.5. A summary faculty profile

Disciplines		Name of the Staff	Qualification
Agronomy & Agro-Forestry	1	Prof. (Dr.) R.C. Samui	M.Sc. (Ag), Ph.D.
	2	Prof. (Dr.) A.L. Kundu	M.Sc. (Ag), Ph.D.
	3	Mr. Subhajit Banerjee	M.Sc. (Ag)
	4	Ms. Shreyosi Das	M.Sc. (Ag)
	5	Mr. Ramyajit Mondal	M.Sc. (Ag)
	6	Dr. Pranabesh Ghosh	Ph.D.
Soil Science and Agricultural Chemistry + (Microbiology, Agro-	1	Prof. (Dr.) G.N. Chattopadhyay	M.Sc. (Ag), Ph.D.
	2	Ms. Shreya Mondal	M.Sc. (Ag)

meteorology, Environmental Sciences)	3	Mr. Prodipto Sow	M.Sc. (Ag)
Genetics & Plant Breeding	1	Mr. Arup Kumar Saha	M.Sc. (Ag)
	2	Mr. Snehashis Karmakar	M. Sc. (Ag)
	3	Ms. Debarpita Datta Ray	M. Sc. (Ag)
Agril. Entomology	1	Ms. Sharmila Biswas	M.Sc. (Ag)
	2	Mr. Manasij Das	M.Sc. (Ag)
Plant Pathology	1	Prof. (Dr.) Nakul Chandra Mandal	M.Sc. (Ag), Ph.D.
	2	Mr. Swarnavo Chakraborty	M.Sc. (Ag)
Horticulture	1	Mr. Amit Lohar	M.Sc. (Hort.)
	2	Dr. Adarsh Thapa	M.Sc. (Hort.), Ph.D.
	3	Mr. Sangeet Chhetri	M.Sc. (Hort.)
	4	Mr. Abid Hayat	M.Sc. (Hort.)
Agril. Economics + Basic Economics	1	Dr. Ranjan Kumar Biswas	M.Sc. (Ag.), Ph.D.
	2	Ms. Poushali Nag	M.Sc. (Ag)
	3	Ms. Achoyung Lepcha	M.Sc. (Ag)
	4	Mrs. Koyel Mukherjee	MRDM
Agril. Extension & Communication	1	Dr. Dibyendu Pal	M.Sc. (Ag), Ph.D.
	2	Dr. Anannya Chakraborty	M.Sc. (Ag), Ph.D.
	3	Mr. Souradeep Chatterjee	M.Sc. (Ag)
Animal Science	1	Prof. (Dr.) Subhrangsu Pan	M.V.Sc., Ph.D
Biochemistry + Crop Physiology	1	Ms. Debjani Dutta	M.Sc. (Ag)
(a) English	1	Dr. A.S. Saha	Ph.D.
(b) Mathematics	1	Ms. B. Adhya	M.Sc.
(c) Computer Science	1	Mr. A. Sarkar	M.Sc.

4.1.6. Credentials of the Faculty

School of Agriculture is having competent faculty members with having highest qualification of Ph.D., degree with ICAR-ASRB NET and vast experience in respective fields to cater the academic need of the students at under-graduate level. All the faculties are proactive in career development activities including participation in seminar, symposium, webinar. Alongside, they are pursuing short course in professional excellence and writing articles in NAAS-indexed scientific journals. However, participating in academic development and faculty improvement programs have been at halt during last two years because of pandemic Covid situation.

The abstract of the professional credentials of the faculty members are details below:

Teaching experience in years		Number of publications in research journal		Numbers of books/ book chapters published		Number of abstracts presented in seminar/ conference/ symposium		Number of awards received	
Range (years)	No. of staff	Range	No. of staff	Range	No. of staff	Range	No. of staff	Range	No. of staff
<5	28	<5	14	<5	31	<5	09	<5	30
5-10	01	5-10	09	5-10	01	5-10	11	5-10	01
>10	06	>10	13	>10	04	>10	16	>10	05
Discipline		Name of the faculty		No. of Research publication (National & International)		No of Books/Book -Chapter published		Presentation in seminar/symposium/ conference/workshop	
Agronomy		1. Prof. (Dr.) R.C. Samui		165		2		178	
		2. Prof. (Dr.) A.L. Kundu		40		2		80	
		3. Mr. S. Banerjee		5		4		14	
		4. Ms. S. Das		0		0		7	
		5. Mr. R. Mondal		22		1		7	
		6. P Ghosh		37		0		16	
Soil Science and Agricultural Chemistry + (Microbiology, Agro-meteorology, Environmental Sciences)		1. Prof. (Dr.) G. N Chattaopaddhay		80		22		Above 30	
		2. Ms. S. Mondal		3		0		2	
		3. Mr. P. Sow		2		3		6	
Genetics & Plant Breeding		1.Mr. A. K. Saha		4		0		1	
		2. Mr. S. Karmakar		6		5		5	
		3. Mr. D Datta Ray		2		0		6	
		1. Mr. M. Das		3		0		8	

Agril. Entomology	2. Ms. S. Biswas	2	0	5
Plant Pathology	1. Prof. (Dr) N. C. Mandal	31	11	20
	2. Mr. S. Chakraborty	2	0	5
Horticulture	1. Mr. Amit Lohar	5	3	4
	2. Mr. Thapa	5	1	9
	3. Mr. S. Chhetri	4	0	7
	4. Mr. A. Hayat	3	0	2
Agril. Economics + Basic Economics	1. Dr. R. K. Biswas	7	12	11
	2. Ms. P. Nag	3	0	6
	3. Ms. A. Lepcha	3	0	6
	4. Ms. K. Mukherjee	1	0	37
Agril. Extension & Communication	1. Dr. D. Pal	12	2	9
	2. Dr. A. Chakraborty	16	5	8
	3. Mr. S. Chatterjee	5	0	2
Animal Sciences	1. Prof. (Dr.) S. Pan	45	27	>50
Biochemistry + Crop physiology	1. Ms. D. Dutta	10	2	6
Basic Science section				
(a) English	1. Dr. A. S. Saha	9	13	30
(b) Mathematics	1. Ms. B. Adhya	0	0	1
(c) Computer Science	1. Mr. A. Sarkar	2	0	2

4.1.7. Student Development

- To develop students' participation in various developmental activities like, seminars, webinars, expert-lecture, hands on training, workshops, social and cultural programs, the institute provides a wide range of different programs with the objectives to facilitate their self as well as career improvement task.
- As the agriculture science is a practical oriented course, the students are exposed with integrated approach of classroom teaching and hands on practice in both open-field and

in-house laboratories with special emphasis on crop production and protection including post-harvest handling aspects.

- Apart from this, students were undergone with SWOT analysis for knowing their strength and weakness, procedure for setting academic goals, developing time management, understanding the assignment, establishing study routine, knowing the professors, finding study partner in each class and advantages of the campus resources.
- Based on contact building by the college authority with different Krishi Vigyan Kendras (KVKs) in the state of West Bengal, some agribusiness companies namely PANSEEDS (Pvt.) Ltd, Rallis (India) Ltd and Suraksha-Agro (Pvt.) Ltd provide access to the students enabling the students for gaining in depth knowledge and practical skills in production and marketing of agriculture and its allied aspects.
- Final year students of B. Sc. (Hons.) Agriculture course are guided to participate in the farmers meet through RAWA (Rural Agriculture Work Experience) program, which is basically a ***“Farmers-Students Interaction Forum”***, facilitate to grasp the field level knowledge and problems faced by the farming community.
- Thus, the overall student development initiatives help the students to accomplish their goals and to achieve greater heights in their career through personality development programs and placement guidance.

4.1.8. Theory and Practical Classes

- The prime objective of the institute is to provide better scientific approach for teaching and practice.
- For keeping parity with the objective, better delivery of information is being ensured so that the students are encouraged in learning and participate actively in the classroom activities such as discussion, presentation, etc. Both for the theory and practical classes, students are divided into two sections.
- Apart from theory classes, the students are provided with good hands-on experiences in practical classes for getting a clear perception of the subject matter.
- Different field-based practicals in the subjects like Agronomy, Horticulture, Soil Science, Soil Water Conservation are done by the students under the guidance of experienced & competent faculties of the School of Agriculture. These practicals are done in the working time. The portions which required laboratory facilities are done at well-equipped laboratories of the SOA. Other lab-based practical of the subjects namely

Plant Pathology, Genetics, Plant Breeding, Entomology etc. are done at the laboratories situated at the university campus under the guidance and supervision of respective faculties & competent technical staff.

- For the subjects like Agricultural Extension, Agricultural Economics, Agri-Business management, the practicals are done through social interaction with agrarian sectors. For practical of Agricultural Extension students are taken to the nearby villages, for the practical of Agricultural Economics students are taken to the nearby Regional Rural Banks, Co-operative banks, Nationalized banks etc. as and when required. In case of Agri-Business Management, students are taken to the nearby village hats, markets etc. In a nutshell the SOA under SSU is committed to give students appropriate hand on the experiences which would help them in their future endeavours.
- Year wise Roll strength of students, no of section are given in below mentioned Table

SL. No.	Name of the Program	Total intake/ year	No. of batches for theory class	No. of batches for practical class
1. (2017-18)	B.Sc. (Hons.) Agriculture	59	2 (30 students per batch)	2 (30 students per batch)
2. (2018-19)	B.Sc. (Hons.) Agriculture	133	2 (67 students per batch)	4 (33 students per batch)
3. (2019-20)	B.Sc. (Hons.) Agriculture	138	2 (69 students per batch)	4 (35 students per batch)
4. (2020-21)	B.Sc. (Hons.) Agriculture	129	2 (65 students per batch)	4 (32 students per batch)
5. (2021-22)	B.Sc. (Hons.) Agriculture	132	2 (66 students per batch)	4 (33 students per batch)

- It is noted from the above table that the theory classes are being conducted in 2 sections, except 1st batch of 2017-18 academic session, with 60 – 65 students per section.
- Side by side, practical classes are being conducted in 2 sections, except 1st batch of 2017-18 academic session, with 60 – 65 students per section.

4.1.9. Admission Process

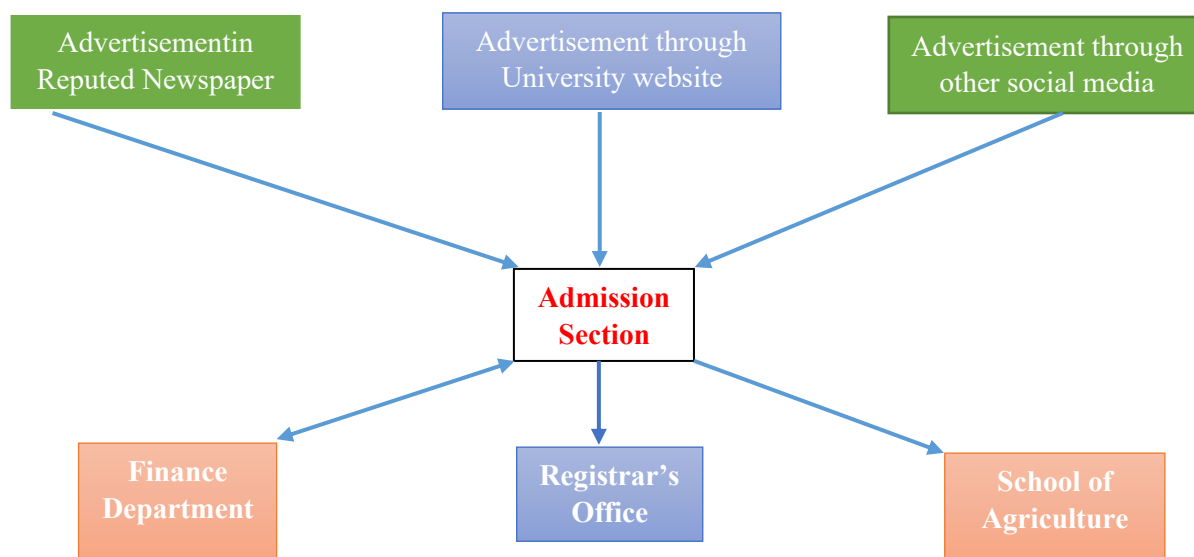
- Seacom Skills University is committed to give the best quality education to the most eligible students. The SOA takes the under-graduate students on the basis of the marks obtained by the students at their 10+2 level. From the detailed admission procedure, it is evident that the university publishes admission notification in the official website.

Students apply online in the prescribed format against the university notification. Then based on the marks obtained by them at 10+2 level the students are given with appropriate ranks. An offline counselling date is decided thereafter and students are admitted according to their ranks until the minimum intake capacity is reached.

- The students selected for B. Sc. (Hons.) Agriculture course are admitted through single window counseling process by the Admission Section of Seacom Skills University.
- As per ICAR guidelines, the B.Sc. (Hons.) Agriculture course is an under-graduate degree. The eligibility criteria of willing students for obtaining this degree are Higher Secondary Level (10 + 2 years of school education) in science (with Physics, Chemistry, Biology and/or Mathematics) or Higher Secondary Level (10 + 2) in Agriculture stream (5 per cent). These are the minimum qualifications and a candidate with higher qualification than these in science stream may be considered eligible for admission to this degree course, if other conditions are fulfilled.
- At least 2 months before (normally in the month of April – May) the admission period, wide circulation asking Application for Admission has been done every year by the Admission Section in reputed newspapers and other social media including the official website of Seacom Skills University (<http://seacomskillsuniversity.org>).
- The college has the maximum intake capacity of 160 students per year for the under-graduate agriculture course of 4 years' duration. Through the single window admission system, the management of the Seacom Skills University makes effort to fill up cent percent capacity by the Admission Section of the University.
- Students who are seeking admission for B. Sc. (Hons.) Agriculture course have to submit application for admission in offline or online mode. Then, they have to go through the counselling process in offline mode (of course, counselling process is being done in online mode during pandemic situation) for verification of their academic documents after publication of Higher Secondary (10 + 2 standard) examination.
- By this counselling process, the candidates for B. Sc. (Hons.) Agriculture course have been selected based on the marks obtained by the candidate in their Higher Secondary examination with specific subjects of science group.
- The cut off marks for getting admission to B. Sc. (Hons.) Agriculture course is 60 percent in aggregate in this college.
- Selected candidates must go first to the Finance Department for depositing requisite fee through offline or online mode. Having deposited the required fee, the candidate must

report to the Admission Section. The Admission Section then forwarded the name to the Registrar's Office and School of Agriculture simultaneously. Thus, the admission process is completed.

- Details on both Offline and Online application, general counseling and admission brochure are provided in the website <http://seacomskillsuniversity.org>. The operational procedures of admission of students in school of agriculture are detailed below:



Admission Process in School of Agriculture, SSU

Department-wise brief description about hands-on trainings, as an integral part of undergraduate course of agriculture is presented in the following sections:

A. Department

I. Agronomy

- Periodical sowing and maintenance of crop cafeteria, cultivation of wetland and garden land crops is done under practical crop production course I (*Kharif* crops) & II (*Rabi* crops).
- Group of students are allotted in an area for getting training on nursery preparation, seed treatment, sowing, field preparation, fertilizer application, transplanting, thinning, gap filling, weeding, top dressing, bio-metric observation, harvesting, threshing and cleaning of harvested produce.
- The rice is grown in crop production I and green gram/ black gram/ maize are grown in crop production II.

II. Agricultural Economics + (Basic Economics, Mathematics & Computer Science and Statistics)

- Identifying and analyzing problems faced by farmers.
- Conduct group discussion and brainstorming sessions to improve cognitive, affective and psychomotor domains to the students, developing leadership qualities among students.
- Assessment of demand and supply, price determination of agricultural commodities through market arrivals through suitable software.
- Brainstorming session on opportunities in agribusiness.
- Training on statistical software viz., SPSS, STAR, R Programs, etc.

III. Agriculture Extension & Communication + (Sociology , Psychology and English)

- Using of internet facilities to collect assignment resources, study materials, project review collection and general knowledge etc.
- Forecasting on skills-oriented programs like listening, speaking, reading, writing, comprehension, corporate, etc.
- Practicals on communication models.

IV. Entomology

- Rearing the crop pests in field and horticultural crops and mass culturing of predators, parasitoids and its releasing methods.
- Practicing plant protection components like light traps, yellow sticky trap, sex pheromone trap and aggregation trap in field.

V. Genetics & Plant Breeding + (Seed Science & Technology)

- Dissection and evaluation of floral parts in various crops, breeding techniques.
- Emasculation, crossing and selfing techniques for agricultural and horticultural crops.
- Trainings are being given to students to conduct the seed sampling procedures, seed germination methodologies, seed treatment methods, dormancy breaking methods, vigor & viability test.

VI. Horticulture + (Food Science & Technology)

- Layout and planting of fruit trees and other horticultural crops.
- Practicing asexual methods of propagation like cutting, layering, budding and grafting.

- Nursery management, terrarium making, dry flower arrangement, bonsai making, herbarium making.
- Sensory evaluation of food samples, nutritional analysis of foods, microbial study of foods.
- Food safety issues, food plant sanitation.
- Hands on training on processing and value addition in agriculture and horticulture crops.

VII. Soil Science and Agricultural Chemistry +(Microbiology, Agro-meteorology, Environmental Science)

- Soil sampling, soil profile study, land use planning, soil quality assessment.
- The analytical procedures are given for assessing the soil quality, estimation of NPK nutrients in plant and soil samples.
- Bio-fertilizers and azolla production.
- Assessment of wastewater quality, biodiversity index, air quality.
- Meteorological instruments installation specification.
- Taking reading of different instruments and interpretation of weather data collected.

VIII. Plant Pathology

- Plant disease diagnosis based on characteristic symptoms and isolation of microorganism.
- They are guided with important cultural, biological control and fungicide recommendation for diseases of field and horticultural crops. In addition, Hands on training was given on mushroom production technology.

Sections

IX. Animal Sciences including Dairy sciences and Poultry units

- External parts of dairy cattle and dentition and ageing of farm animals.
- Restraining methods and appliances used in farm animals.

X. Agricultural Engineering

- Operating the different agricultural tools, machineries / implements.
- Handling of different surveying and leveling instruments for measure the field.
- Handling the various post-harvest processing equipment viz., dryer, siever, moisture content instruments, cleaner cum grader, separators, etc.

XI. Biochemistry and Crop Physiology

- Estimation of photosynthetic pigments, identification of nutritional deficiencies.
- Assessment of abiotic stress related parameters.

4.1.10. Examination and Evaluation Process

The entire examination processes for each subject having practical part are divided in three phases as follows:

- Two Mid Semester Examinations having 15 marks of each test = $15 \times 2 = 30$ marks
 - One Practical Examination having 20 marks = $20 \times 1 = 20$ marks
 - One Semester End Examination (Theory) having 50 marks = $50 \times 1 = 50$ marks

Total = 100 marks

The examination process of a subject without any practical part is divided in two phases as follows:

- Two Mid Semester Examinations having 15 marks of each test = $15 \times 2 = 30$ marks
- One Semester End Examination (Theory) having 70 marks = $70 \times 1 = 70$ marks

Total = 100 marks

Mid Semester Examination

The 1st and 2nd Mid Semester Examinations of each subject in every semester are conducted by respective Department of School of Agriculture after completing 40% and 80% of the syllabus respectively.

Practical Examination

Like short test examination, practical examinations are also conducted by respective department of School of Agriculture just two weeks before the starting of end term Examination (theory) of the semester.

Sl. No.	Particulars	Marks
1.	Experiments and notebook	5
2.	Identification	5
3.	Quiz/ Problems/ Short note	5
4.	Viva	5

End Term Examination

- i. The end term examination is conducted by the Controller of Examinations section of Seacom Skills University.
- ii. A final examination schedule is approved by the Dean and the Controller of Examinations.
- iii. The examination timetable, semester wise as well as subject wise marks uploading and result declaration after evaluation of the *Answer-Sheets* are provided in the website of Seacom Skills University.

Missing Examinations

- i. A student who fails to attend a mid-semester examination due to unavoidable circumstances shall be permitted with prior approval of the Dean to take up missed examination of the course, subject to payment of Rs.- 1000/- for each missing mid-semester examination.
- ii. Such missing examinations should be completed outside the regular class hours with the next respective semester examinations.
- iii. Attendance will not be given for taking up missing examinations.
- iv. The missing examinations are allowed only for mid-semester examinations and not for final theory and practical examinations.

Supplemental Examinations

A student who fails to attend pass marks, i.e., 50% marks in both theory and practical papers separately in any subject, he / she shall be permitted with prior approval of the Dean to seat for the examination for second time of that subject with a payment of Rs.- 200/- for each supplemental paper with the coming same semester examination.

Examinations Pattern

- The mid-term assessment forms a part of a continuous evaluation system conducted through class tests, tutorials, assignments, projects and presentations. All these together constitute an integral part of mid-term which is carried out in a well-planned and systematic manner.
- In the end term examination, the university conducts examinations as per semester pattern which is consist of 20% objective marks and 80% subjective marks. It is a direct evaluation process.

- In practical examination, assignment, project preparation, report writing, practical task in field and laboratories, etc. are provided.

Courses with Practical

Mid Semester Examination	30
Final Theory Examination	50
Final Practical Examination	20
Total	100

Courses without Practical

Mid Semester Examination	30
Final Semester Examination	70
Total	100

Improvement and Re-examinations

- Improvement and re-examinations are permitted only for the final theory and practical examinations.
- The students are permitted to write the improvement and re-examinations as and when conducted.
- Improvement and re-examination fee of Rs.- 500/- per subject is to be paid on or before the prescribed date.
- The student having an OGPA of less than 5.00 is eligible to improve the grade point only once in subjects with grade point less than 8.00.
- A student who has an OGPA of 6.50 and above is not eligible to improve his/her grade points in any course. In case a student fails to secure higher grade point in the subsequent attempts, the higher-grade point secured by the student either in regular or improvement examinations will be accounted.
- Improvement and re-examinations will not be applicable to industry and institutional educational tours, RAWE, crop production, NSS and physical education courses.
- The camp requirement in NSS may be allowed along with juniors if the student has secured more than 80 per cent attendance in the regular courses.
- To register for the 3rd year courses (V semester), the students should have completed successfully all the courses registered during 1st year.

- To register for the 4th year courses (VII semester), the students should have completed successfully all the courses registered during 2nd year
- The minimum grade point to be secured for a pass in a course is 5.00.
- A student must maintain a minimum OGPA of 5.00 out of 10.00 at the end of final year (VIII semester) to become eligible for the award of degree.

Internal evaluation system is followed in all semesters' end-term examinations in UG course, except in 7th (RAWE) and 8th semester (ELP) wherein external assessment is practiced. Paper set by the subject-teacher for a course is submitted to the examination section which is then placed before the 3 – member moderators and after careful examination the question paper is finally handed over to the examination section for arranging the examination. Two faculties nominated by the In-charge of respective department act as the moderator in each case. In 7th & 8th semesters, external expert member preferably the teacher from a recognized University within the state is appointed to act as the resource person for evaluation of students.

4.1.11. Laboratories, and instructional farm

The most vital learning resources for conducting practical along with hands on training to the students available in SOA, SSU are detailed below

Sl. No.	Particulars	Numbers
1.	Laboratories	15
2.	Field Laboratories	7
3.	Instructional and Demonstrational Units	7

4.1.11.1.1 Laboratories

The college is having 15 well equipped laboratories to conduct skill oriented practical classes to support theory sessions of B.Sc. (Hons.) Agriculture program. The 15 laboratories along with field laboratories as detailed below have been established with all required equipment, instruments, glass wares and other amenities as per ICAR requirement are furnished below.

Sl. NO.	Facilities	Space Length(ft.) x width (ft.)	Specialty to conduct practical/hands on training
---------	------------	---------------------------------	--

1.	Agronomy Laboratory	32 ft. x 24.5 ft.	The laboratory is equipped with Moisture box, Hot air oven, Different types of auger, Weighing balance, Mixer grinder, and Grading machine.
2.	Soil Science Laboratory	38 ft. x 32.5 ft.	The laboratory is equipped with Flame photometer, Single beam Spectrophotometer, pH meter, Electrical conductivity meter, Centrifuge machine, Water bath, Block digester, Hot air oven, Shaker, Sieve shaker. Weighing balance, Distillation Unit.
3.	Horticulture Laboratory	32 ft. x 24.5 ft.	The under graduate laboratory is equipped with Microscope, pH meter, Precision balance, Pan Balance (1 kg & 10 kg. capacity each) Refrigerator, Digital Refractometer, Portable Photosynthesis System, UV Spectrophotometer, Flame Photometer, Leaf area meter, Grinding and Mixing Machine, Distillation Assembly, Centrifuge, Autoclave, Kjeldahl machine, Laminar airflow cabinet, BOD incubator, Hot water bath, Sample shaker, Hot-Air Oven, Deep Freezer, Fruit crusher, gas and oven, Fruit piler, Sieve, Sealing machine, etc.
4.	Agricultural Entomology Laboratory	40.5 ft. x 19.8 ft.	Under-graduate practical classes. The laboratory is equipped with Compound and stereo-microscopes, Swipe net for insect collection. Formalin contained jars for insect preservation, Insect box, Wax plates, Insect posters for insect identification.
5.	Plant Pathology Laboratory	42.6 ft. x 21.9 ft.	Under-graduate practical classes. The laboratory is equipped with Compound microscopes, Laminar airflow cabinet, Autoclave, BOD incubator, and Refrigerator.

6.	Agricultural Engineering Laboratory	94 ft. x 58 ft.	Under-graduate practical classes. The laboratory is equipped with 1. Tractor 2. Power tiller 3. Rotavator 4. Cultivator
7.	Genetics and Plant breeding Laboratory	38.5 ft. x 18.8 ft.	The laboratory is equipped with compound microscope, Spectrophotometer, BOD incubator, Seed germinator, Autoclave, Refrigerator (-20°C), Tools for emasculation and pollination studies in crops.
8.	Crop Physiology Laboratory	42.4 ft. x 24.8 ft.	Under-graduate practical classes. The laboratory is equipped with Compound microscopes, Digital weighing balance, Hot-air-oven, Centrifuge, Hot water bath, Spectrophotometer, BOD incubator, Seed germinator, and Refrigerator.
9.	Plant Tissue Culture Laboratory	19 ft. x 19 ft.	This laboratory consists of- Store room/wash room, Media preparation/Laminar room, and Culture room. It is well-equipped with Distillation unit, Autoclave, Laminar air flow, Weighing balance, pH meter, Magnetic stirrer, Refrigerator, and Tissue culture racks.
10	Agricultural Biochemistry Laboratory	40.6 ft. x 22.8 ft.	Under-graduate practical classes. The laboratory is equipped with Digital weighing balance, Hot-air-oven, Water bath, Centrifuge, pH meter, Spectrophotometer, and Refrigerator.
11	Seed Science and Technology Laboratory	40.5 ft. x 24.5 ft.	Facilities available for seed quality analysis includes Purity work board, Seed trier, Moisture meter, Dissection Microscope, pH

			meter, EC meter, Seed germinator, Seed counter, Distilled water unit, Sieves.
12	Food Science Nutrition Laboratory	40.2 ft. x 24.4 ft.	Fruit penetrometer, Pulper, Juice extractor, Poly pouch sealer, fruit Crusher, Pulverizer, Masala grinder, Cabinet tray drier Crown corking machine, Vacuum pump with filtration unit, Muffle furnace, Weighing balance, Hot air oven, Calorimeter and Sieve shaker Jam, Jelly, RTS, Preparation.
13	Computer Laboratory	30.2 ft. x 20.6 ft.	Facilities accessible for availing e-Resources- 30 computers along with high speed Broadband internet services (having minimum speed of 175 Gbps).
14	Language Laboratory	20.5 ft. x 12.3 ft.	The Language laboratory is equipped with 20 numbers of computer system and it is supported with language software ODLL (Orell Digital Language Laboratory) of iTell Company.
15	Audio-Visual Laboratory	19.5 ft. x 10.3 ft.	LCD projector, Public Address System, DSLR Camera, Digital voice recorder, Audio console and Video camera with tripod stand. Capacity: 40 seats.



Hands on practical Training: Genetics and Plant Breeding

- Each laboratory can accommodate 60 students per batch at a time to carry out the experiments and hands-on training.



Students performing experiments in soil science laboratory with proper safety measures



Identification of different morphological modification of insect body parts:

Agricultural Entomology

- Laboratories are furnished with basic amenities like working tables, stools, cupboards, dustbins, and wash basins.



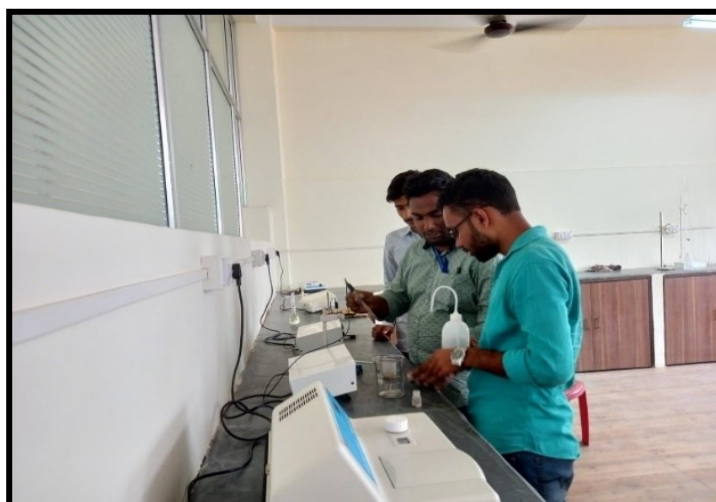
Identification of different horticultural tools and implements

- Suitable safety measures like fireproof electrification, first aid kit, fire extinguisher, safety symbols and posters have been fitted in the laboratories.

- Bio-degradable and non-pollutant waste material collected from all the laboratories are removed daily and handed over to composting unit.
- Non-degradable and pollutant materials are collected separately and digged in a selected area with all precautions to avoid any danger to the environment.
- Chemical wastes are disposed from the laboratories with care and burned in the pit after reducing the volumes by drying in a secluded air-marked site.
- After practical classes on diseases and insect infected plant specimens are destroyed in the burning pit.
- Safety guidelines are displayed in all the laboratories.



Student practical class in soil science



Laboratory demonstration for analysis of organic carbon content in soil samples

- Students are instructed to use lab coats, gloves, towels, etc., considering the safety measures in the laboratory.
- Equipment's log book, stock registers, breakage registers are maintained in all the laboratories.
- Servicing of equipment is carried out by authorized agency as on need basis to maintain the efficient working condition of the instruments.
- Daily cleaning is ensured by the house keeping team
- Common complaint register is maintained in the office of the Principal and if entry is made in the register, a qualified technician is deputed to solve the problem.

4.1.11.1.2 Field Laboratories

Horticulture

This lab is established for exposing the students to identify various tools and implements for gardening purpose. Propagation techniques like cutting, grafting, budding and layering are also demonstrated in this lab. Specimen of plant disorders are also displayed for identification. The designing and layout of various gardens are also explained.

Agronomy

For land configuration methods like farming bunds and channels, ridges and furrows, flat beds are taught. For identification purpose, various water measuring devices like Parshall fume, V-Notch, and rectangular wire are also kept. For soil sampling methods various equipment like screw auger, tube auger, and hot air oven are also available in this laboratory. Miniature models of all the tools and implements and harvesting machines are displayed for identification. Samples of seeds, herbarium, weeds, fertilizers, manures, herbicides, and pesticides are kept for identification. Tools for biometric observations like plant height, LAI, DMP are also available.

Veterinary and Animal Science

Various field activities are being demonstrated in the veterinary science and animal science field observatory viz., study of external parts of livestock, identification methods of livestock and poultry (tattooing, ear tags, wing and leg bands), common restraining methods (disbudding/ dehorning), different methods of castration, dentition,

selection of dairy cow and work bullock, identification of feeds and fodder, study of external parts of fowl, preparation of brooder house, brooder management, identification of layer and non-layer, debeaking, delousing and deworming of poultry.

Genetics and Plant Breeding

This lab is established for exposing the students to identify various tools and techniques for different breeding approaches. Needed accessories like needle, forceps, blades, knife, slide, cotton for emasculation of different crop flowers are kept in this laboratory. Identification of seeds of different agricultural and horticultural crops had also been carried out in this laboratory.

Plant Pathology

Various field activities are being demonstrated in the plant pathology field observatory viz., field visit during different cropping seasons, study of diseases of field crops, and prevalence of bio-agents in the crop fields. Preparation of herbarium sheets of different disease-affected crop samples are kept in the field laboratory of plant pathology.

Entomology

Several field activities are being demonstrated in the entomology field observatory viz., field visit during different cropping seasons for studying different pest infestations in crop fields and prevalence of bio-agents in the fields. Collections of different insect-pests and pest-affected crop samples are kept in the field laboratory of entomology. Thereafter the control measurements against these insect-pests are also demonstrated in this laboratory.

Agricultural Engineering

This lab is established for showing the students to identify various tools and techniques for familiarization about tractor and their parts, familiarization with farm machinery and their parts, operation of different implement operated by tractor and power tiller associated with crop production.

3. Instructional farm, workshop, dairy plant, veterinary clinic/hatchery and ponds

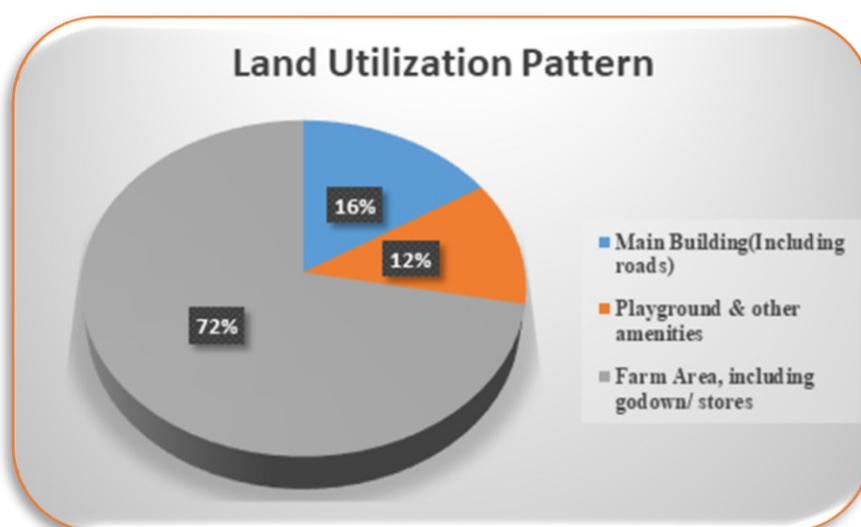
The college farm has 18 ha of cultivable land comprising 4.00 ha of garden land, 2.00 ha of wetland and 12.00 ha of dry land. It is utilized for the purpose of raising crops, establishment of instructional units, production units, animal husbandry unit, farm roads, farm ponds, threshing floor, drying yard, farm implements room and farm stores.

Land Utilization Pattern

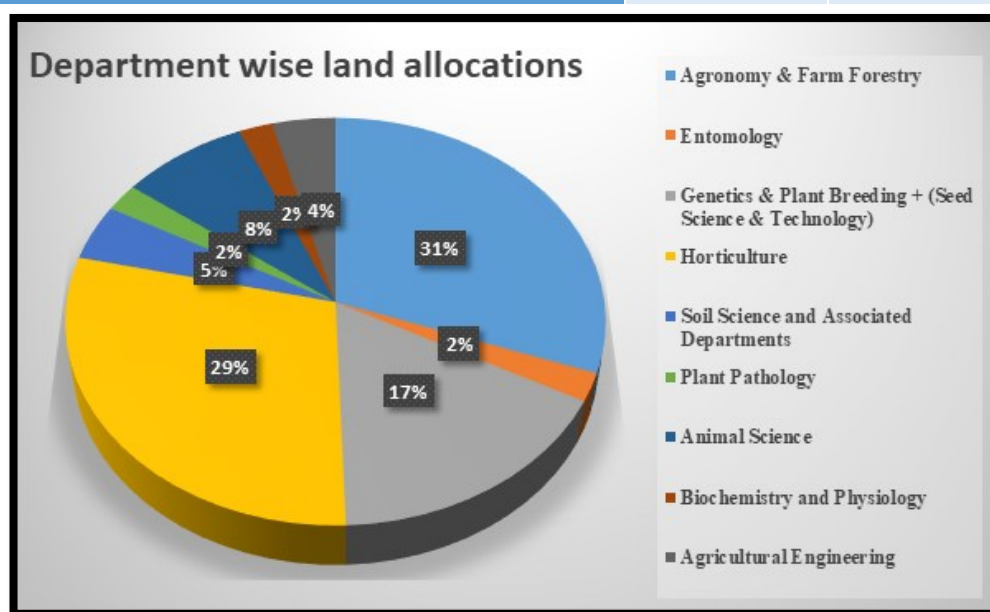
Details	Land required as per ICAR (ha)	Land available (ha)
Main Building (Including roads)	07	04
Farm Area, including godown/ stores	20	18
Total	30	25

Department wise land allocations (hectares)

Details	Land required (ha)	Land available (ha)
Agronomy & Farm Forestry	6.00	5.50
Entomology	0.40	0.40
Genetics & Plant Breeding + (Seed Science & Technology)	3.20	3.00
Horticulture	6.00	5.25
Soil Science and Associated Departments	0.80	0.80
Plant Pathology	0.40	0.40
Animal Science	2.00	1.50
Biochemistry and Physiology	0.40	0.40
Agricultural Engineering	0.80	0.75



Total	20.00	18
-------	-------	----



Production Units

Production units have been established in the farm under each Department to act as a key economic resource for a successful educational as well as financial program for conducting field practical and experiential learning program.

The details of the instructional units available for students' use are given below:

Discipline	Name of the Units
Agronomy	Azolla production unit Demonstration unit for nursery bed preparation.
Soil Science	Vermicompost Unit;
Horticulture	Commercial vegetable production Post-harvest technology
Plant pathology	Mushroom (Oyster) Production Unit,

Vermi-composting Unit

A vermicompost unit was established beside the farm of School of Agriculture. Students are involved here in doing hand-on training as well as studying the characteristics that are mentioned below-

- Processing of solid waste composting
- Collection and characterization of solid waste
- Preparation of vermi-pit
- Maintenance of adequate moisture and introduction of earth worm

- Harvesting of vermicompost and selection of microbial inoculum for value addition
- Storage and marketing of vermicompost

Mushroom Production Unit

A mushroom production unit was established at School of Agriculture. Mushroom shed is available in an area of 600 sq. ft. for oyster mushroom and spawn production which is maintained by students under projects and experiential learning courses. Students registered under this module get expertise in doing hand-on training as well as studying the characteristics that are mentioned below-

- Preparation of bed for Oyster mushroom
- Inoculation of spawn
- Labeling and rooming
- Maintenance of adequate moisture in shed
- Harvesting, packing and marketing.

Commercial Vegetable Production Unit

A commercial vegetable production unit was established beside the farm of School of Agriculture. The unit consists of 1.00 acre of area where many seasonal vegetable crops such as, bhindi, bottle-gourd, pumkin, brinjal, cowpea, chilli, tomato, cucumber, drumstick, bitter-gourd, pointed-gourd and cool season crops are being cultivated. Students are involved here in doing hand-on training as well as studying the characteristics that are mentioned below-

- Preparation of field layout
- Sowing of commercial vegetable crops such as (Okra & Amaranths)
- Maintenance of weed free field and adequate moisture
- Harvesting, packing and marketing.

Post-harvest Technology Unit

A post-harvest technology unit was established near the field laboratories of School of Agriculture. Students registered under this module get expertise in doing hand-on training as well as studying the characteristics that are mentioned below-

- Preparation of Mushroom pickle
- Preparation of Capsicum pickle

- Preparation of Mango pickle
- Preparation of Ginger Ready To Serve (RTS)
- Preparation of Mango Squash
- Product packaging, labelling, pricing and marketing

***Azolla* Production Unit**

An *Azolla* production unit was established at School of Agriculture with three pits of dimension of 5 feet length and ½ feet width to demonstrate the *Azolla* production. Students are involved here in doing hand-on training as well as studying the characteristics that are mentioned below-

- Construction of tank
- Mixed clean fertile soil with cow dung and supplemented it to the tank
- Cleaning and maintenance of *Azolla* tank



Seed bed preparation for Blackgram sowing



Sowing of rice germplasms for its evaluation and maintenance for crop improvement program



Collection of insects by sweeping net for preservation and labelling of insects



Demonstration of Inter-culture operations for Blackgram

Instructional farm/Demonstration unit:

Instructional units have been established in the farm under each Department to act as a key resource for a successful educational program for conducting field practical and experiential learning program.

The details of the instructional units available for students' use are given below:

1. Crop cafeteria

In every academic year, crop cafeteria is established in an area of 0.5 ha with varying field crops. Crops are cultivated both in *Kharif*, *Rabi*, and Summer seasons which include cereals, pulses, millets, oil seeds, fibre crops, sugar crops, forage crops, and green manure crops with latest released varieties. The prime objective of the crop cafeteria is

for identification of the various crops, through labelling basic information of all the crops and varieties are grown. The students are involved in the maintenance of crops in each plots including sowing to harvesting operations according to seasons.

2. Polyhouse and Greenhouse cultivation technique

The medium cost polyhouse as well as greenhouse were installed in college farm each having an area of 2000 sq. ft. It consists of components such as cladding material, fan, GI pipe, mister and drip system. In this unit students are engaged to prepare the raised nursery bed and planting of seedlings. Care and maintenance of the crop was taken over by the students. This also provides the entrepreneurship development among the students.



3. Fishery unit

A fishery unit to an around 1.88 ha in this university was established for demonstration as well as production purposes of different species of fishes viz., catla, rohu, magur, silver carp, etc. A part of significant economic turnovers is achieved by this unit in every year for this university.



4. Propagation technique

Fruit crops viz., litchi, mango, guava, and sapota are propagated in this unit which consists of around 1.25 ha. Here students are taught with techniques of plant production such as layering, grafting, budding etc. methods of these fruit crops. Besides, different seed production techniques are also demonstrated to the students.

5. Bio-fertilizer unit

The School of Agriculture formed a unit of around 490 sq. ft. for production of bio-fertilizer like *Azolla* and others for demonstration and self-utilization purposes.

6. Agroforestry

The School of Agriculture, SSU has an agroforestry unit having an area of 2.5 ha with different types of trees such as *Zizyphus* sp., *Ficus* sp., *Eucalyptus*, *Cedrus deodara*, *Dalbergia* sp., *Tectona* sp., *Azadirachta* sp., jamun, date palm, etc.

7. Animal husbandry

a. Dairy unit

Modern tail to tail intensive dairy unit having an area approximately of 450 sq. ft. has been established and about 10 cows are maintained including heifers in central farm unit. In order to create learning environment to students, cattle breeds are also maintained viz., Sahiwal, Jersey, Red Shindhi, and some local breeds of cattle. On an average, 30 litres of milk are produced per day and the milk produced was used mainly to meet the needs of student's hostel. Two pairs of bulls are maintained to demonstrate the draught activities during the practical classes for the benefit of students. In addition, central farm dairy unit prepares Panchagavya from the waste products obtained from the dairy animals and used for crop nourishment and also aids in the student's demonstration.

b. Goatery unit

Black Bengal goat breed with 10 adult females and 5 adult males in the sex ratio of 1:2 (male:female) are maintained reared under semi- intensive system, which provides opportunities to learn about goat routine operations in the farm having an area of 450 sq. ft. for the students and visitors.

c. Poultry unit

The college has a poultry farm with floor space of 500 sq. ft., which can have a capacity of 200 birds. Non-descript chicken of about 60 numbers are reared under semi-intensive system of management. Besides, a Duckery unit is established with an area 450 sq. ft. and 7 ducks are maintained with water source. The birds are allowed for foraging and will be provided with the poultry feed during the night hours and are housed on the cages as well as in the farms. The birds are allowed for the natural brooding as these non-descriptive birds are known for their broodiness.

8. Agricultural Engineering Workshop

Agricultural Engineering Workshop is located beside the canteen of the university. It consists of various implements and machineries used for farm activities. Students are trained to drive the tractor, power tiller and to operate the primary, secondary tillage implements, weeders and different types of sprayers and dusters. Also this workshop helps to design, fabricate and analyze the performance of the various tools and

small implements which were used for agricultural field experiments. This workshop also carries repair and maintenance work of different implements and tractors.



Agronomy field practical classes at instructional farm



Agronomy practical class on importance of modern package of practices of pulse crops



Preparation of mother culture of Oyster Mushroom (*Pleurotus* sp.) in PDA medium



Introduction to Prime movers' components: Farm Machinery and Power Engineering Practical

Other Instructional Units

- An orchard with 8 acres is available comprising of Fruits (5.00 acres) – Mango, Litchi, Guava, Citrus, Pomegranate, Banana, Ber, Sapota, Papaya, Jackfruit, Date palm, Aonla and Dragon fruit.
- Vegetables (1.00 acre) – Bhindi, Bottle-gourd, Pumpkin, Brinjal, Cowpea, Chilli, Tomato, Cucumber, Drumstick, Bitter-gourd, pointed-gourd and cool season crops.

- Spices (0.50 acre) – Ginger, Turmeric, Black pepper, Bayleaf, Cinnamom and Curry leaf etc.
- Plantation crops (0.50 acre) – Coconut, Arecanut and Cashewnut.
- Ornamental crops (0.70 acre) – Hibiscus, Rose, Gardenia, Powder-puff, Allamanda, Jasmine, Gulmohar, Marigold, Chrysanthemum, Gladiolus, Duronto and Mimusops etc.
- Green house (0.30 acre) – Seedling and saplings of vegetables and fruit crops respectively are raised in controlled condition for raising in the main field.
- Kitchen garden raised in an area of 0.30 acre is utilized to grow different types of vegetables, tuber vegetables, root vegetables, green leafy vegetables, pandal type vegetables seasonally. An herbal garden of 0.75-acre area is also maintained.
- Modern head to head double row system of dairy units of different indigenous and exotic breeds, stalled goat unit and broiler units are being under process.
- Apiary unit with bee hives (31 boxes) is maintained and production is obtained throughout the year successfully.
- Bio-control unit has taken place for the production of talc-based formulation of *Trichoderma*, *Pseudomonas*, PSB and *Azotobacter*.
- Nursery unit is maintained in an area of 0.50 acres to demonstrate different types of propagation methods like air layering, grafting and budding. (Mango, Guava, Citrus, Litchi etc.)
- Flower production is carried out throughout the year in an area of 0.75 acres with varieties of flowers like marigold, tuberose, chrysanthemum, celosia, jasmine, crossandra, aster and zinnia.
- Food processing and value addition unit helps the students to acquire knowledge about value addition and post-harvest techniques and also producing of fruit and mushroom based food products.

4.1.12. Student READY/In-Plant Training/ Internship/ Experiential Learning Programs

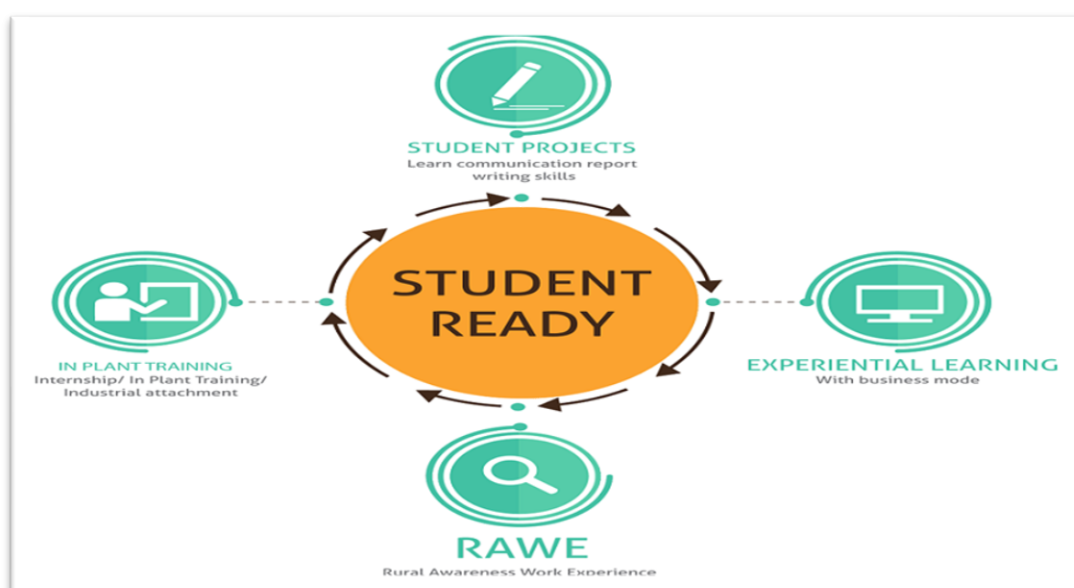
a. Student READY Programs (Rural Entrepreneurship Awareness Development Yojana)

Student READY program helps the graduates of agriculture by providing self-confidence, ensuring and assuring employability and to create entrepreneurs for emerging knowledge intensive agriculture.

Student READY program is implemented in this institute as per ICAR syllabus during the fourth year of the UG program (2021 syllabus) i.e. from 2020 onwards, incorporating the following components;

- Rural Agriculture Work Experience (RAWE)
- In Plant Training/ Industrial Attachment
- Experiential Learning (ELP)
- Students Projects

Agricultural education needs to be evolved in a very rapid manner to meet the expectation of the society. Though the students of agriculture are learning substantial basic and applied issues of science and technology, they do not possess adequate confidence in starting own commercial venture. Under this situation, Rural Awareness Work Experience Program (RAWE) is an important competence and confidence building program introduced in the Institutes of Agriculture and the SAUs in India. With a view to giving the real-life exposure to the students Seacom Skills University (School of Agriculture) has also introduced this program for the students of VII Semester B.Sc. (Ag.) Hons. This program is a sequel of the recommendation made by the ‘Randhawa Committee’ constituted by ICAR.



The Rural Agricultural Work Experience (RAWE) program is a flagship activity for the final year B.Sc. (Ag.) students during the last semester. Building self-confidence in the agricultural graduates by honing their professional skills is the key objective of introducing RAWE at the under graduate level by ICAR. Accordingly, this semester-long program has been evolved. The most important area in which the development needs to be continuously accelerated is agriculture, which is the backbone of country's economy. In order to bring about changes in the knowledge, skill and attitude of the people engaged in farming, a sustained effort is necessary and thus could be achieved only through purposeful education. Rural Agricultural Work Experience (RAWE) Program is a key component in the B.Sc. (Ag.) degree program. The students are given rigorous orientation and familiarization on various issues and problems they can expect in the farmers' field.

As per the recommendation of ICAR one full semester has been earmarked with the following-

- To make them understand the rural community life and the prevailing situation
- To familiarize with the rural socio-economic conditions
- To provide an opportunity to have practical training in crop production
- To improve communication skills among the students using extension teaching methods in transfer of technology
- To sensitize them regarding agricultural technologies, used by farmers and to prepare alternate farm plans according to the local situation in consultation with the farmers
- To develop confidence and competence in students for handling professional problems
- To acquaint the students with on- going thrust on rural development programs
- To make the students understand the changed role of men and women in agricultural and allied fields.
- To explore the high-tech agricultural technology and the factors affecting the adoption of modern methods of agriculture.
- To initiate awareness, understanding and skills among the students with special reference to the scientific model of "Integrated Development of Agriculture" i.e. crop husbandry, horticulture, agro forestry, animal husbandry, fisheries, poultry, dairying, agro-based industries, processing, marketing etc.

- To know the techniques / know how to prepare and develop the package through collection of data from grass root level
- To expose them to the research methodologies e.g. experimental techniques, management, collection and processing of experimental data.

For the current final year students, the Student READY program is offered as RAWE program which includes Village Stay Program (VSP), attachment with State Agriculture Department, NGO, Agro based industries in VII semester. Experiential learning courses are offered in VIII semester. Project work is also given during



seventh semester and continuous evaluation is done in VII & VIII semesters. A student learning program was carried out in the agricultural instructional farm in various KVK across West Bengal. Get knowledge regarding agribusiness model from different *kishanmandi* and cooperative bank.

Locale of RAWE Program

The RAWE Program has mainly covered various villages under Bolpur-Sriniketan, Illambaz

Real-life exposure to the students- RAWE program

students have undergone most of the RAWE courses as village attachment programs. Students have worked and experienced about rural and agricultural scenario in about 15 different villages under seven Gram Panchayats (GPs) viz. Raipur-Supur, Ruppur, Sian-Muluk, Sattour, Bilati Sultanpur, Illambazar and Charkal. Students were also placed in different blocks of West Bengal as well as financial institutions in different places of West Bengal for the placement works under the RAWE courses. Students have interacted with the farmers, farm women, rural youth, scientists of research stations, subject matter specialists of KVKs (Rathindra KVK, Dhangya Ganga KVK, Seva Bharati KVK), officials of line departments, financial institutions and agro-based industries in order to blend their theoretical knowledge with practical life to have realistic experiences in the concerned field.

This program, comprises of four components which are as follows:

- Attachment with KVK for 20 days
- Attachment with State Department of Agriculture for 10 days
- Attachment with Non-Governmental Organization (NGO) for 10 days

- Village Stay Program (VSP) for 60 days and
- Agro Industrial tie up for 10 days

Under this RAWE program, practical aspects of crop production were experienced by the students during their attachments to different villages in of Birbhum district in West Bengal that included study on different practices of field crops (agronomy) and horticultural crops, plant breeding, plant physiology, soil health management, and farm mechanization. Study on irrigation practices in farmers' fields was undertaken for various *rabi* season crops like rice, potato, mustard, lentil, cabbage, brinjal and sugarcane studied on the basis of method, source, timing, frequency, etc. Cropping system adopted by the farmer and limitations in adopting diversified cropping system was studied during RAWE program.



Sericulture farm visit for training regarding silkworm rearing

- Cropping system adopted by the farmers and scope in diversified cropping system were studied including cropping intensity, comparison of different cropping system based on rice equivalent yield, cost of cultivation, gross return and diversity index.
- Integrated farming system adopted by the farmers and constraints in diversified farming was experienced by the farmers during their village attachment. An Integrated Farming System (IFS) model was worked out. It helped the students to understand different facets of farming system development approach including

integration of various enterprises, use of by-products of enterprises through recycling within the same farm, interrelationships and cost estimates.

- Students have studied maturity symptoms of different crops including time of harvesting. Maturity and harvesting of crops were learnt by the students from the farmers' experiences. Time of harvesting of different crops viz. rice, wheat, maize, sorghum, red gram, black/green gram, rapeseed/ mustard, sunflower, groundnut, etc., losses due to late harvesting, physiological symptom of maturity, assessing the maturity, external symptoms, harvest maturity symptoms, etc. were studied by the students.
- Students experienced the importance of manurial process, compost pit, vermicompost. Organic waste management and organic manuring was studied. Type and method of composting were discussed. The vermicompost units of the farmers were visited and during interaction.
- Students witnessed prevalence of diseases of *rabi* crops. Early blight of tomato, tomato leaf curl, wilt of potato, leaf roll of potato, chilli leaf curl, wilt of lentil, black rot of cabbage, mosaic of cucurbits, powdery mildew, blight of French bean, Alternaria leaf spot, etc. were identified and management options were discussed.
- The control measures were discussed with the farmers as well as course facilitator and suggested the same. Surveillance and scouting to wheat rust, potato late blight, early frost damage of *boro* rice seedling was undertaken.

Internship

Sl. No.	Program	Salient Features
1	Internship with farmers - Village Stay Program (VSP)	12 students was inducted in internship program by PANSEEDS (Pvt.) Ltd, a seed producing and marketing farm through participatory seed production at village level.
2	Attachment with ADA	Yes. Attachments with ADAs under different blocks in Birbhum district were through RAWE Program.
3	Industrial Attachment	Yes. Attachment with Agro-based Industries in different districts of West Bengal was through RAWE Program.
4	NGO tie-up	Yes. Tie-up with different NGOs was made possible under RAWE Program.



Outcome of the RAWE

The overall outcomes of RAWE Program from the perspectives of the students are summarized below:

- Rural awareness
- Field experience
- Teamwork among the students
- Experiential and experimental learning
- Knowledge on field-based research and extension methodologies
- Exposure to administration and management issues in context of rural and agricultural development
- Capacity building
- Acquainted with recent advancement in research and extension
- Updating and collecting information through different methods
- Understanding rural life
- Learning of bottom-up approach in planning
- Learning the techniques of stakeholders' participation in developmental programs
- Understanding local institutions and their need
- Conflict management and negotiation skill
- Management of different components of farming system
- Working with people organization
- Problem-solving aptitude
- Awareness on rural economy

- Impact of rural and agricultural development on rural livelihood
- Knowledge on gender mainstreaming in agriculture

Evaluation of RAWE Program

The evaluations of students' performance were concurrent, formative and summative in nature. The students have maintained their daily diary countersigned by the concerned course leaders and facilitators and these diaries were evaluated at the time of final examination. All the courses had been conducted with close supervision and monitoring of concerned course leaders and facilitators. The field level performance of the students was assessed by the concerned course leader and facilitators. The students have appeared for internal assessments. The students have presented their reports followed by interactions with a team of evaluators including external examiner(s) and concerned course leader and facilitators.

Limitations of RAWE Program

The visits to distant places for giving the exposures to the students on many other aspects viz. warehouse, multi-purpose cold storages, precision farming systems, polyhouse, commercial horticulture, cultivation of medicinal and aromatic plants, etc. remained untouched due to lack of vehicle (mini-bus) in the Institute. The students could only get the experience of rural and agricultural scenario of one season and selected region. The funding support has been restricted to only stipend of the student and their contingency. However, funding is also essential for organizing field visits and field days to further strengthen the students learning on many emerging issues of agriculture.

Conclusion

RAWE is an exposure to the principles of “learning by doing” and “seeing is believing”, which provides a direction to the students to think and act on their own. It offers a direction to the students to develop their knowledge, attitude and skill to graduate out as an expert and contribute in holistic development of agriculture. This experiential system in agricultural education has a strong potential to prepare a better agricultural technocrat with high level of skill in combination with the modern out-look and management capacity. A learner-centered approach like RAWE is proved to be a significant in building the competence and confidence of agriculture graduates and developing human resources in the field of agricultural education, research and extension in the country.

b. Experiential Learning

Selection of experiential learning courses is based on the area of interest of students. Experiential learning provides an opportunity to develop analytical and entrepreneurial skills, knowledge through meaningful hands-on-experience and enhances their confidence for designing and execution of agribusiness units.

Experiential learning approaches towards problem solving and improving interaction with the world outside. The learning process essentially provides a direction to the students to think and act and eventually creates self-confidence. It helps the students develop their competence, capability, capacity building, skills, expertise, in short a holistic development. However, it requires an individual's total commitment, involvement, participation, reception, active interest, dedication, skill, curiosity, vision and mission. Under the changing dynamics of economical and industrial growth agriculture has undergone a sea change with new approaches.

Therefore, this experiential system in agricultural academia has become imperative for better training to the agricultural technocrats with high level of skill in combination with the modern out-look and management capacity. The experiential approach is a learner-centered approach and allows an individual student to be responsible for his own learning minimizing the role of his teachers and hosts. Effective work experience training strategies incorporating rural agricultural experiential learning approach provide opportunities to a student to experience the fieldwork activity and to review and analyze critically his own work experience so that they prove to be useful in their real-life situation.

ELP for students have been conducted in the college for hands on training in different commercial ventures in agriculture and allied fields. All the ELP units functioned focused on practical application of knowledge and skills to real life experience to further increase learner's knowledge and develop competences leading to self-employment and entrepreneurship development in agriculture and allied sectors. During the last year the college has undertaken ELP program in 05 modules as detailed below:

Sl. No.	Year	Discipline	Title of the module		No. of students
1.	2021-22	Soil Science	Vermicompost		72
2.	2021-22	Horticulture	Commercial Vegetable Production		63
			Post-Harvest Technology		71
3.	2021-22	Agronomy	<i>Azolla</i> Production		0
4.	2021-22	Plant Pathology	Commercial Mushroom Production		42

Vermi-Composting Technology

Students are involved in

- Processing of solid waste composting
- Collection and characterization of solid waste
- Preparation of vermi-pit
- Maintenance of adequate moisture and introduction of earth worm
- Harvesting of vermicompost and selection of microbial inoculum for value addition
- Storage and marketing of vermicompost



Commercial Mushroom Production

Students registered under this module get expertise in,

- Preparation of bed for Oyster mushroom
- Inoculation of spawn
- Labeling and rooming
- Maintenance of adequate moisture in shed
- Harvesting, packing and marketing.



Commercial Vegetable Production

Students registered under this module get expertise in,

- Preparation of field layout
- Sowing of commercial vegetable crops such as (Okra & Amaranths)
- Maintenance of weed free field and adequate moisture
- Harvesting, packing and marketing.



Post-harvest Technology

Students learned about,

- Preparation of Mushroom pickle
- Preparation of Capsicum pickle
- Preparation of Mango pickle
- Preparation of Ginger RTS
- Preparation of Mango Squash
- Product packaging, labelling, pricing and marketing



Azolla Production

- Construction of tank
- Mixed clean fertile soil with cow dung and supplemented it to the tank
- Cleaning and maintenance of *Azolla* tank
- Harvesting it and use as bio-fertilizer

Outcome of the Experiential Learning

They are practically adopting the learned technologies in field and laboratory level. From this, pros and cons of implementing the technologies are learned. Further, the profits earned from experiential learning courses encourage them to become an agri-entrepreneurs.

The agricultural sector is growing rapidly, and there is a great need for skilled agri-business managers. In fact, the requirements of agribusiness are demanding in terms of technical knowledge of farm production, postharvest handling of products, marketing strategies, and time allocation. If the agriculture students become interested in pursuing a career in this field, he/she has to develop the key skills required for the job. These include strong business acumen, marketing skills, and knowledge of agriculture. With the right training and experience, one can thrive in this exciting and challenging industry. So, these issues are being addressed with essential management tools and entrepreneurial skills to make the students more efficient, productive, and competitive.



These are some identified skills required for employment in an agribusiness

- Product knowledge to improve customer relations.
- The ability to recognize and help customers.
- Management and leadership skills.
- The ability to solve problems.
- Detail oriented.
- Persuasion capabilities.
- Quantitative analysis.
- Verbal and Writing skills.
- Solid decision-making skills.
- Good Communication skills.

Some Other Major Skills

- **Clean Objective**– The objectives of a business are the foundation on which it operates. They should be realistic and clear, so that all efforts can be geared towards achieving them in order to make an impact with the company's overall success rate.

- **Planning**– Planning is a predetermined line of action. The accomplishment of objectives set, to an extent depends upon planning itself; it does not take time for things but only decision making on what we should do and how best address those needs in question.
- **Research** – Agriculture has always been about meeting the needs of customers. In today’s agricultural production, we produce what consumers want and not how they’re told by us – even if they don’t know it themselves! The knowledge on these factors comes from thorough market research that helps determine your best course for success: producing a product or service tailored just right; giving them more variety so there will never again be any lack in choices when looking through grocery stores across town.
- **Finance**– Finance is the lifeblood of any business. Without it, one won’t be able to produce anything and the raw materials will just sit there unused. So make sure that when finances are concerned – whether big or small- every inch counts so that things don’t get too cluttered with debt collectors breathing down our necks.
- **Efficient Management**– One of the most common reasons for business failure is attributed to their poor management or inefficient supervision. The one-man show, i.e., owners sometimes lack experience and knowledge in all aspects that are needed when running an entire company efficiently. Start utilizing available resources more effectively.

4.1.13. Curricula delivery through IT (Smart classrooms/ Interactive board etc.)

Increased emphasis on the use of Information and Communication Technology (ICT) has been advocated by ICAR to the UG program. Accordingly, the following various ICT tools are used for curriculum delivery at this institute. At School of Agriculture, Seacom Skills University, we believe that technology usage skills are developed in the students in a professional environment offered by the e-classroom. Student sheer become familiar with knowledge management skills, necessary to survive in an increasingly knowledge-centered workplace.



The school has 6 spacious, well-ventilated classrooms (Smart class rooms) with black boards, white boards, 6 interactive boards, LCD projector, microphone, loud speaker, podiums and adequate seating facility for learners. SSU has introduced an active learning atmosphere through the state of art e-classroom facilities. The students and faculty use computers for regularly scheduled class. This classroom is used to develop communication skills, in team based projects, apart from curriculum prescribed course work.

Smart Classroom is a comprehensive strategy for digital education in SSU. Smart Classrooms enable students and faculties to make use of every available resource from one point at the click of a button. It enables the faculty to innovatively impart knowledge. It also acts like an electronic board where everything written on it can be saved as a file for future reference.

4.2. School of Pharmacy

The School of Pharmacy at Seacom Skills University, established in 2017, is situated in the rural district of West Bengal, particularly Kendradangal near Santiniketan, Birbhum surrounded by lush greenery. With a mission to make higher education accessible to both rural and urban communities, the school caters to the educational needs of students from neighboring states as well.

After completion the Pharmacy course from here they are suitably placed in different sectors of Pharmacy profession. This year we were able to provide them all suitable employment.

The institution offers a range of pharmacy programs, including D.Pharm (Diploma in Pharmacy), B.Pharm (Bachelor of Pharmacy), and M.Pharm (Master of Pharmacy), focusing on delivering comprehensive and high-quality pharmacy education.

The M.Pharm program is specifically designed to provide advanced knowledge and research opportunities, equipping students for impactful careers in the pharmaceutical industry and academia. Graduates of this program are well-prepared to pursue a Doctorate in Pharmacy (Ph.D.), enabling them to specialize further and contribute to the field at the highest levels of research and academic excellence.

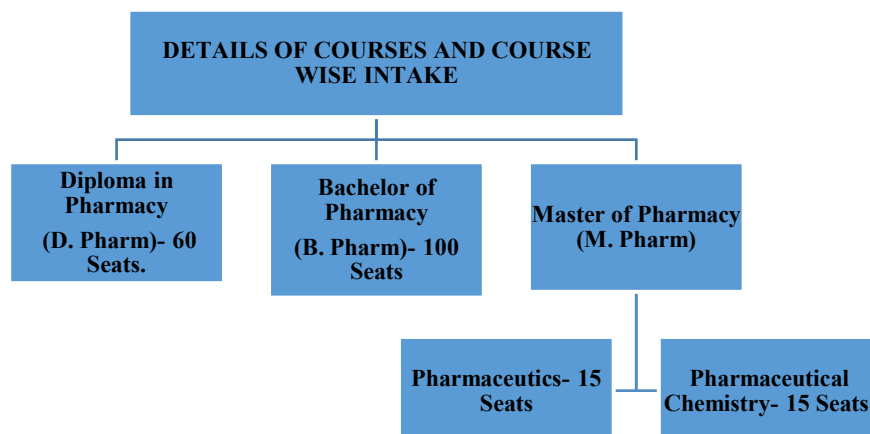
By fostering educational excellence and professional development, the School of Pharmacy plays a significant role in enhancing the quality and growth of the pharmacy sector.

The School of Pharmacy at Seacom Skills University is a center of excellence dedicated to advancing education, research, and innovation in pharmaceutical sciences. Established with a vision to produce competent healthcare professionals, the school offers state-of-the-art infrastructure, experienced faculty, and a curriculum designed to meet global standards.

Our programs emphasize a blend of theoretical knowledge and practical skills, fostering a deep understanding of drug discovery, development, and patient-centered care. Through industry collaborations, research opportunities, and community engagement, the school equips students to address healthcare challenges and contribute to the well-being of society.

Committed to academic and professional excellence, the School of Pharmacy continues to shape future pharmacists who are not only skilled but also ethical and empathetic leaders in the field of healthcare.

Our dedicated faculty members and other staff members are trying their best to make our school of Pharmacy, one of the best institute in Pharmacy education.



4.2.1. Faculty and Staff Details

NAME OF THE FACULTY/ STAFF	DESIGNATION	SPECIALIZATION	EXPERIENCE
Prof. (Dr.) Dillip Kumar Sahoo	Principal	Pharmaceutical Chemistry	17 Years
Mr. Prabir Kumar Banerjee	Associate Professor	Pharmaceutics	26 Years as Drug Control Dept and Industry 4 Years in teaching
Mr. Debgopal Ganguly	Assistant Professor	Pharmaceutics	4.11 Years
Ms. Pubali Chakraborty	Assistant Professor	Pharmaceutics	4.6 Years
Ms. Deblina Sardar	Assistant Professor	Pharmacology	4.2 Years
Ms. Madhumita Banerjee	Assistant Professor	Pharmaceutics	2.6 Years
Mr. Arindam Chakraborty	Assistant Professor	Pharmaceutical Biotechnology	1.9 Years
Mr. Rajesh Ghosh	Assistant Professor	Pharmacology	1.9 Years
Mr. Hira Das	Assistant Professor	Pharmacology	1.7 Years
Mr. Chirantan Roy	Assistant Professor	Quality Assurance	0.9 Years
Ms. Ankita Jana	Assistant Professor	Pharmaceutics	0.9 Years
Ms. Tiya Chatterjee	Assistant Professor	Quality Assurance	0.8 Years
Ms. Teasha Chakraborty	Assistant Professor	Pharmacology	0.9 Years
Ms. Debolina Kundu	Assistant Professor	Pharmaceutics	0.9 Years
Mr. Somenath Mondal	Assistant Professor	Pharmaceutics	0.9 Years
Ms. Titin Debnath	Assistant Professor	Pharmacology	0.9 Years
Mr. Sourav Mondal	Assistant Professor	Pharmacology	0.9 Years
Mr. Rudrajit Saha	Assistant Professor	Pharmaceutics	0.9 Years
Mr. Chiranjit Mondal	Technical Assistant		5 Years
Mr. Rahul Dutta	Technical Assistant		5 Years
Mr. Masud Karim	Laboratory Technician		0.5 Years

4.2.2. Publication

NAME OF THE EMPLOYEE	PUBLICATION DETAILS
Prof. Dillip Kumar Sahoo	1. Ganguly D, Banerjee M, Chakraborty A, Das H, Sekh A, Sarfaraj MA, Arif ST, Ghos R, Ghosh S, Sahoo DK. Preparation and Evaluation of

	Polyherbal Handwash of Different Herbal Sources. Neuroquantology. 2022; 20(11):8113.
Mr. Debgopal Ganguly	1. Ganguly D, Banerjee M, Chakraborty A, Das H, Sekh A, Sarfaraj MA, Arif ST, Ghos R, Ghosh S, Sahoo DK. Preparation and Evaluation of Polyherbal Handwash of Different Herbal Sources. Neuroquantology. 2022; 20(11):8113. 2. Ganguly D, Ghosh S, Banerjee M, Alam A, Ghosh R. A Brief Review on Sleep Paralysis: Management and Treatment. IJPSR.2023; 14(2): 661-673. 3. Ghosh S, Ganguly D, Banerjee M, Chakraborty P. A Review on Present And Future Outlook Of 3d Printing In Transdermal Drug Delivery Systems. Pharmaceuticals. 2023; 14:15.
Ms. Pubali Chakraborty	1. Ghosh S, Ganguly D, Banerjee M, Chakraborty P. A Review on Present and Future Outlook of 3d Printing In Transdermal Drug Delivery Systems. Pharmaceuticals. 2023; 14:15.
Ms. Madhumita Banerjee	1. Ganguly D, Banerjee M, Chakraborty A, Das H, Sekh A, Sarfaraj MA, Arif ST, Ghosh R, Ghosh S, Sahoo DK. Preparation and Evaluation of Polyherbal Handwash of Different Herbal Sources. Neuroquantology. 2022; 20(11):8113. 2. Ganguly D, Ghosh S, Banerjee M, Alam A, Ghosh R. A Brief Review on Sleep Paralysis: Management and Treatment. IJPSR.2023; 14(2): 661-673. 3. Ghosh S, Ganguly D, Banerjee M, Chakraborty P. A Review on Present And Future Outlook Of 3d Printing In Transdermal Drug Delivery Systems. Pharmaceuticals. 2023; 14:15.
Mr. Arindam Chakraborty	1. Chakraborty A et al. Development and validation of UV-Vis spectrophotometric method of estimation of forskolin from natural source. IJRSR; 2022; 13(6): 1514-1516. 2. Ganguly D, Banerjee M, Chakraborty A, Das H, Sekh A, Sarfaraj MA, Arif ST, Ghos R, Ghosh S, Sahoo DK. Preparation and Evaluation of Polyherbal Handwash of Different Herbal Sources. Neuroquantology. 2022; 20(11):8113. 3. Ghosh R, Chakraborty A, Pramanik S, Bhattacharyya A. A Comparative Study of Montelukast and Salbutamol in Bronchial Asthma. International Journal of Scientific Research in Science and Technology (IJSRST).2022; 9(5), 21-29.
Mr. Rajesh Ghosh	1. Ganguly D, Banerjee M, Chakraborty A, Das H, Sekh A, Sarfaraj MA, Arif ST, Ghos R, Ghosh S, Sahoo DK. Preparation and Evaluation of Polyherbal Handwash of Different Herbal Sources. Neuroquantology. 2022; 20(11):8113. 2. Ghosh R, Chakraborty A, Pramanik S, Bhattacharyya A. A Comparative Study of

	Montelukast and Salbutamol in Bronchial Asthma. International Journal of Scientific Research in Science and Technology (IJSRST).2022; 9(5), 21-29.
Mr. Hira Das	1. Ganguly D, Banerjee M, Chakraborty A, Das H, Sekh A, Sarfaraj MA, Arif ST, Ghos R, Ghosh S, Sahoo DK. Preparation and Evaluation of Polyherbal Handwash of Different Herbal Sources. Neuroquantology. 2022;20(11):8113. 2. Das H. Ghosh S, Ganguly D, Mandal D, Current Scenario Of Diabetic Mellitus With Recent Drug Development Approaches: A Comprehensive Review. Neuroquantology. 2023, 21(1), 801-823

4.2.3. Book Chapter

NAME OF THE FACULTY	TOPIC	TITLE OF THE BOOK	VOLUME
Debgopal Ganguly, Madhumita Banerjee, Arindam Chakraborty & Rajesh Ghosh	High-Throughput screening and molecular docking of selected compounds against Junin Virus	Recent Advances in Pharmaceutical Sciences, Innovare Academics Sciences Pvt. Ltd.	12
Debgopal Ganguly	A Review on Pharmacological and therapeutic insight of ozanimod for colon disease in Nano-structure	Recent Advances in Pharmaceutical Sciences, Innovare Academics Sciences Pvt. Ltd.	8

4.2.4. Patent

NAME OF THE FACULTY	PATENT DETAILS
Ms. Madhumita Banerjee	Centralized library of DNA sequences of patients suffering from cancer for effective prediction of life expectancy
Mr. Arindam Chakraborty	Analyzing the interaction involving streptomycin sulphate and bovine serum albumin using fluorescent probes

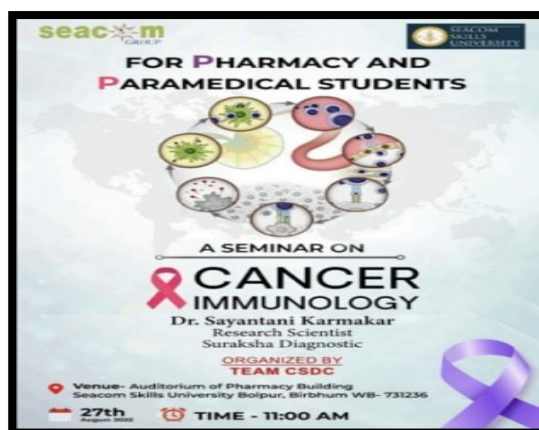
4.2.5. FDP, Lecture, Seminar, Workshop, Webinar, Conferences

Sl No	Name of Faculty	FDPs	Lecture/ Seminar/ Workshop	Webinar/ Conference
1.	PRABIR KUMAR BANERJEE		5	
2.	MADHUMITA BANERJEE	1		1
3.	ARINDAM CHAKRABORTY	3	1	3
4.	HIRA DAS		1	1
5.	RUDRAJIT SAHA		1	
6.	SOMENATH MONDAL			3

4.2.6. Celebration & Events Conducted

1. Seminar on Cancer Immunology (27 Aug 2022)

A seminar was organised by School of Pharmacy on Cancer Immunology on 27 August 2022. Dr. Sayantani Karmakar, Research scientist of Suraksha Diagnostic was the resource person and the seminar was mainly for pharmacy and paramedical students.



2. World Pharmacists Day 2022 (27 Sep 2022)

School of Pharmacy celebrated World Pharmacists Day on 27 September 2022 where a Blood Donation camp was arranged successfully. More than 50 people came forward to donate blood.



3. Orientation and Induction Programme 2022:-

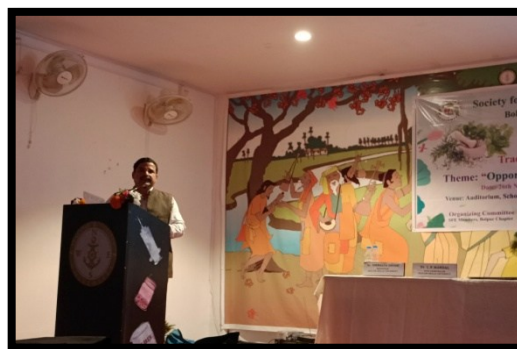
Orientation and Induction Programme for B. Pharm batch 2022 - 2026 & Diploma Batch 2022-2024 was arranged on 14 September 2022 in School of Pharmacy to introduce new students with all the college rules and regulations and along with that they were guided about the academic schedule, classrooms & Laboratories.

4. National Pharmacy Week 2022:

Day-1: School of Pharmacy in association with IPA Bengal Branch, celebrated 61st National Pharmacy Week Celebration-2022. The 1st day of program was started with an Awareness Rally from Bolpur High School to Gitanjali Cinema Hall road. In the second half there was a scientific and innovative handmade poster presentation by students.



Day-2: On 26th November a **Seminar on Traditional Medicine** was organised by School of Pharmacy in association with “Society for Ethnopharmacology”(Bolpur Local Chapter) following the theme “Opportunities in Herbal Research”. In the seminar **Prof. Pulok K. Mukherjee** was the chief guest who is the Director of Institute of Bioresources and Sustainable Development, Imphal, Manipur, India & Director (additional charge) Institute of Life Sciences, Bhubaneswar, Odisha, India. Some renowned dignitaries were also present as guest of honours.



5. Farewell 2023 (23 June 2023)

Farewell 2023 was organised by the students of SOP to bid a good bye to their senior batch B. Pharm Batch 2019 - 2023 and D. Pharm Batch 2021-2023. The celebration was full of cultural performances and remembrance of old memories.



4.2.7. Initiative for Students Development

❖ **Poster Presentation: 09**

- ❖ **Co-curriculum Activities:**
 - i) Hand-made poster presentation
 - ii) Photography Competition
 - iii) Quiz Competition
 - iv) School Visit for D.Pharm Students
 - v) Pharmaceutical Industry visit
 - vi) Hospital visit

➤ **School Visit for D.Pharmacy Students:**

Objective

The objective of this school visit was to provide D.Pharmacy students with an opportunity to interact with school students and create awareness about the importance of pharmacy and healthcare.

Activities Conducted

1. **Interactive Session:** Our students conducted an interactive session with the school students, explaining the basics of pharmacy and healthcare.
2. **Health Awareness Program:** We organized a health awareness program, focusing on topics such as personal hygiene, nutrition, and disease prevention.
3. **Career Guidance:** Our faculty members provided career guidance to the school students, highlighting the opportunities and prospects in the field of pharmacy.

Observations

1. The school students showed keen interest in learning about pharmacy and healthcare.
2. Our students demonstrated excellent communication and presentation skills during the interactive session.
3. The school administration expressed gratitude for our visit and requested future collaborations.

Conclusion

The school visit was a successful event that achieved its objectives. Our students gained valuable experience in interacting with school students and creating awareness about pharmacy and healthcare. We look forward to conducting similar visits in the future.



➤ **Pharmaceutical Industry Visit :**

Objective

The objective of this industrial visit was to provide pharmacy students with hands-on experience and exposure to the pharmaceutical industry, enhancing their understanding of theoretical concepts and industrial practices.

Students interacted with professionals from various departments, including production, quality control, and research and development.

Conclusion:

The pharmaceutical industry visit was a successful event that achieved its objectives. Students gained practical knowledge and insights into the industry, which will enhance their understanding of theoretical concepts and prepare them for their future careers.



➤ **Hospital Visit:**

Objective:

Observing pharmacy operations, Interacting with pharmacists, Learning medication management & Understanding patient care

Conclusion:

Hospital visit provides pharmacy students with hands-on experience, enhances clinical knowledge, and develops patient care skills, preparing them for future careers in hospital pharmacy.



4.2.8. Student Details:

❖ DIPLOMA IN PHARMACY (D.PHARM.)

PART	INTAKE CAPACITY	TOTAL NUMBER OF STUDENTS
D.PHARM. PART-I	60	60
D.PHARM. PART-II	60	60

❖ BACHELOR OF PHARMACY (B.PHARM.)

YEAR	INTAKE CAPACITY	TOTAL NUMBER OF STUDENTS
B.PHARM. 1 ST YEAR	100	100
B.PHARM. 2 ND YEAR	100	100
B.PHARM. 3 RD YEAR	60	60
B.PHARM. 4 TH YEAR	60	60

❖ MASTER OF PHARMACY (M.PHARM.)

SPECIALIZATION	INTAKE CAPACITY	TOTAL NUMBER OF STUDENTS
M.PHARM. 1 ST YEAR (PHARMACEUTICS)	15	02
M.PHARM. 1 ST YEAR (PHARMACEUTICAL CHEMISTRY)	15	01

➤ **PLACEMENT DETAILS:**

JOB CATEGORY	NO. OF STUDENTS PLACED
Pharma Sales & Marketing	06
Pharmaceutical Production	05
Retail Pharmacist	20
Pharmacovigilance	01
Laboratory Assistant	03
TOTAL	35

GLIMPSES OF SCHOOL OF PHARMACY



Classroom



Laboratory



Herbal Garden



Tablet Punching Machine



Annual Sports



Pass out Students

4.3. School of Science

4.3.1. Department of Mathematics

Faculty and Staff Details				
Sl. No	Faculty Name	Designation	Email Id	Mobile No
(i)	Baishali Adhya	Lecture	baishali.a.80@gmail.com	8900664244
(ii)	Kuntal Mondal	Assistant Professor	mkuntal94@gmail.com	7602930885
(iii)	Biman Das	Guest Faculty	bimandas605@gmail.com	9641379594

Celebration & Events conducted in the particular School/ Department:

Science day celebration

Any initiative for student development:

- (a) Content based lecture session
- (b) Doubt clearance and assignment Q/A clearance session
- (c) Guidance regarding preparation of ppt, project with easy step
- (d) Awaring to participation in different events as organised by the University as well as other platform related to the Department.
- (e) Free slot to clear with the matters as faced by the students.

4.3.2. Department of Physics

4.3.2.1. About the School/Department (Including schools/ departmental Infrastructure)

The department of Physics falls under the School of Science. Physics department has its first student admission in 2017. In the current session Physics department has both UG and PG programmes under its curriculum. In the session 2022-2023, we followed CBCS system and curriculum for UG courses. The Physics department has UG and PG laboratories which are equipped with instruments covering practical curricula and courses of both Physics department and other Non-departmental courses.

4.3.2.2. Details of courses and course wise intake capacity.

- UG Programme:

We have curriculum course for three years UG programme after following **UGC regulations** which is based on choice based credit system (CBCS). The UG course is a **three year BSc Honours programme in Physics** spanning over **6 semesters**. The curriculum follows credits based system. It contains **14 Honours papers** in 6 smesters. There are **4 General papers** (other than Physics) which students can choose from **Mathematics, Chemistry**. UG students also need to choose **ability enhancement compulsory course papers (AECC)** for first two semesters which is basically study of Environmental Science and modern Indian languages namely English and Bengali. Students also choose **3 skills enhancement course papers (SEC)** for 3rd and 4th semesters. **UG course has 26 papers with a total credit of 142. At present UG has intake capacity of 50 students each year.**

- **PG Programme:**

We have structured course for two years PG programme. The **MSc Physics course is for a two year period or four semesters**. There are **23 papers distributed in 4 semesters**. Beside general theory and practical papers, students also have to choose **2 special papers in 4th semester**. There is also **1 project / dissertation paper** in the 4th semester. **The total credit for this MSc course is 102. At present PG has intake capacity of 50 students each year.**

4.3.2.3. Faculty and Staff Details

- 1) Dr. Mohammed Younus, Head of the Department, Physics,
hod.physics@seacomskillsuniversity.org
- 2) Mrs. Disha Chatterjee, Senior Lecturer (Part-Time), Physics,
ms.disha@gmail.com

4.3.2.4. School/ Department details

- a. FDP, Lectures, Seminars, Workshop, Webinar, Conference
Attended: FDP:1 , Workshop: 1, Webinar: 1
- b. Celebration & Events conducted in the particular School/ Department: NA
- c. Awards & Achievements: NA
- d. Any initiative for student development: NA
- e. Orientation and Induction program for students: NA

4.3.2.5. Student Details

Total number of students present in the department - 87

4.3.3. Department of Chemistry

4.3.3.1. About the department

Just after the inception of the Seacom Skills University (2014), the Department of Chemistry was established in the year 2016 and from that very moment the department is sincerely engaged in teaching the students of different engineering courses in both UG and PG levels. The Department began its supreme journey with B.Sc. (Hons.) and M.Sc. course in Chemistry. The department is gifted with a good number of enthusiastic and dedicated faculty members.

Besides the quality teaching, the faculty members have also contributed a lot to elevate the prestige of the institute through their research activities of international standard. Over these years, the department has observed a steady momentum of growth due to the cumulative efforts of the faculty members, motivated students and the supporting staffs.

The Department regularly participates in various activities which bring together nationally renowned scientists, persons engaged in academics and industry. The faculty members of this department are devoted to the research activities in various fields of chemistry such as Supramolecular Chemistry, Electrochemistry, Natural Product Chemistry, Photochemistry, Environmental Chemistry, Coordination Chemistry, Bioinorganic, Biophysical chemistry and others. The faculty members are publishing research papers in reputed international journals (SCI) with impact factors at a regular basis.

“Real education is that which enables one to stand on one’s own legs.”- Swami Vivekananda.

4.3.3.2. Departmental Infrastructure

Department is running well with its laboratory which is well equipped with the following apparatus and instruments:

Sl. No.	Name of the Instrument	Number
1	Digital Balance	02
2	Physical Balance	01
3	Single Distillation plant SS	01
4	Rectangular water bath	01
5	Hot air oven	01
6	Digital photo colorimeter	01
7	Digital conductometer	01
8	Digital pH meter	02



Laboratory, Department of Chemistry, SSU.



Instrumental facilities at Department of Chemistry, SSU.

4.3.3.3. Courses offered

1. **Undergraduate:** Bachelor in Science, B.Sc. (Hons.) and Bachelor in Science, B.Sc. (General)
2. **Post graduate:** Masters of Science, M.Sc.
(Specialization: Inorganic, Organic, Physical)

4.3.3.4. Course details

Bachelor of Science (B.Sc.) Hons in Chemistry (3 Years)

Master of Science (M Sc.) in Chemistry (2 Years)

4.3.3.5. Course wise intake capacity

Courses Offered	Intake Capacity
B.Sc. (UG)	60
M.Sc. (PG)	60

4.3.3.6. Faculty details

Sl. No	Name	Email Id	Designation	Highest Qualification	Month and Year of Joining
1.	Dr. Subhajit Mukherjee	chem.subha@gmail.com	Assistant Professor	Ph.D., Post Doc	Nov, 2020
2.	Dr. Pallabi Banerjee	pallabibanerjee1111@gmail.com	Assistant Professor	Ph.D.	Dec, 2021
3.	Dr. Suparna Paul	suparnapaul7392@gmail.com	Assistant Professor	Ph.D.	March, 2022

4.3.3.7. Publication Details

Selective colorimetric detection of Cyanide from Agro products and blood plasma by a bio-active Cu(II) complex of azophenine derivative: A potential tool for autopsy

investigation; Riyanka Das, Suparna Paul, Sourav Bej, eenakshi Ghosh, Jagadeesh Chandra Bose and Priyabrata Banerjee, Colloids and Surfaces A: Physicochemical and Engineering Aspects, (2022) 130022 (ISSN No. 0927- 7757, Impact factor: 4.9).

AIEE activated Pyrene-Dansyl coupled FRET probe for discriminating detection of lethal Cu²⁺ and CN⁻: Bio-Imaging, DNA binding studies and prompt prognosis of Menke's disease; Suparna Paul, Subhajit Mukherjee, Priyabrata Banerjee, Spectrochim Acta A Mol Biomol 123110 (ISSN No. 18733557, Impact Factor: 4.3) Spectrosc., (2023).

4.3.3.7.1 Book/ Book Chapter

1. Phytochemicals in Medicinal Plants: Biodiversity, Bioactivity and Drug Discovery under PART C: Chapter 7: Medicinal Bioactivity: Anti-cancerous and Anti-HIV activity of medicinal plants, Suparna Paul, Subhajit Mukherjee and P. Banerjee, Book Chapter, 2023, 153, ISBN 978-3-11-079176-1.

4.3.3.7.2 FDP, Lectures, Seminars, Workshop, Webinar, Conference Conducted/ Attended/ Delivered:

Name of the Faculty	Name of the Event	Type of the Event	Conducting Agency	Date	Participated as
Dr. Subhajit Mukherjee	IP Awareness/Training program under	Seminar	National Intellectual Property Awareness Mission	03/08/2022	Attended
Dr. Suparna Paul	IP Awareness/Training program under	Seminar	National Intellectual Property Awareness Mission	03/08/2022	Attended

4.4. School of Art & Culture

4.4.1. Overview

The School of Visual Arts program at Seacom Skills University begins for the first time in 2017. This department has been a high-quality department since its inception and there are significant improvement in the 2018 painting department after that in 2021 the department more flourished and our new department Modeling & Sculpture added in the visual arts school and the department is considering creating more variety of courses & updated courses on Art & Couture in coming days . We are connected with various prestigious universities and an opportunity for students to discuss art & art workshop and seminar with artists from prestigious University. In addition 2022-2023 our special attention is on art studio development, faculty development & student art mindset development. Besides we do every year that to strong undergraduate programs, the department is playing a leading role in creating world-class postgraduate and research scholars. The seacom skills university school of Viual Arts is a place where creative and critical thinkers, makers, and educators shape awareness and change the way our world is seen, experienced and understood.

4.4.2. Course Overview

As stated above, BFA is a four-year duration course typically spread over eight semesters. Subjects taught in the first year (also called the foundation year) of a BFA course are common for all candidates. It is only after the first year that candidates get to choose the BFA specialization in which they want to major. And MFA course is of two year duration (usually divided into four semesters) and our university offers the course with a specialization. And 2022-23 Academic year newly add Course MFA in Modelling & Sculpture.

To produce the timeless thinkers and executor in the field of visual art, those who visual art through our courses, those who can contribute singularly or collectively, to bring fame to this institution and for which the teaching procedure of the institution would be discussed as ideal and get praised, throughout the field of art is our main goal.

COURSES UNDER SCHOOL OF VISUAL ARTS

- B.F.A-BACHELORS OF FINE ARTS SPECIALIZATION IN PAINTING
- B.F.A-BACHELORS OF FINE ARTS SPECIALIZATION IN MODELLING & SCULPTURE

ELIGIBILITY

Valid Rank In SSU Entrance Test/45% Marks In 12th Standard | 40% For Sc/St 12th Standard

INTAKE CAPACITY- 25

COURSES UNDER SCHOOL OF ART & CULTURE

M.F.A-BACHELOR OF FINE ART SPECIALIZATION IN PAINTING

ELIGIBILITY

BFA or any other equivalent degree from a recognized institute or university minimum aggregate percentage 50%-60%

INTAKE CAPACITY- 25

Table 1: About the School/ Department

Name of the Department	Under the School	Department was Initiated (Academic Year)
Department of Painting	School of Art & Culture	2022-2023
Department of Modelling & Sculpture	School of Art & Culture	2022-2023

Table 2a: Details of Courses

Details of Course	Under the School	Departmental Structure	Number of Student Intake
BFA	School of Art & Culture	Under CBCS (Choice Based Credit System)	25
MFA	School of Art & Culture	Under CBS (Choice Based System)	25

Table 2b: Course Duration

Details of Course	Duration
BFA	4 Years
MFA	2 Years

Table 3a: Faculty Details of the Department (August 2022-July 2023)

Name	Designation	Departmental	Name of Department	School	Highest Qualification
Ms. Priya Saha	Assistant Professor	Departmental	Painting/Modelling & Sculpture	Art & Culture	Master in Fine Arts (Visva Bharati)
Mr. Debasis Ghosh	Guest Faculty	Departmental	Painting/Modelling & Sculpture	Art & Culture	Master in Fine Arts (Seacom Skills University)

Table 3b: Faculty and Staff Details (August 2022-July 2023)

Name	Designation	Departmental/Non-Departmental	Name of Department	School	Mail Id	Phone No.
Ms. Priya Saha	Assistant Professor & HOD	Departmental	Painting/Modelling & Sculpture	Art & Culture	hod.sova@seacomskillsuniversity.org	+91-9007853552
Mr. Debasish Ghosh	Visiting Faculty	Departmental	Painting/Modelling & Sculpture	Art & Culture	artistdebasish@gmail.com	+918910397995
Dr. Amit Sankar Saha	HOD	Non-Departmental	English	Language & Literature	hod.english@seacomskillsuniversity	+918335824287
Ms. Durbala Pal	Guest Lecturer	Non-Departmental	Bengali	Language & Literature	hod.bengali@seacomskillsuniversity.org	+91-7001894684

Table 4a: Students Details

Total Number of Students	Course	Year of Registration
7	BFA	2022-2023
1	MFA	2022-2023

Total Present students in 2022-23 Academic Year	Course
11	BFA
1	MFA

Table 5: Academic Related Work in Seacom Skills University done by Faculties

• Worked as Invigilator of University's all Exams 2022, 2023 – Ms. Priya Saha
• Worked as Invigilator of JOINT EXAM 2022, 2023, – Ms. Priya Saha
• Worked as Invigilator of NAT-CUET 2EXAM 2022– Ms. Priya Saha
• Cultural Convener of the University. 2023– Ms. Priya Saha
• Departmental all officials work. (2022-2023) – Ms. Priya Saha

• All Departmental Questions sheet prepared by (2022-23)– Mr. Debasish Ghosh
• Worked as Invigilator of University's all Exams 2022, 2023 – Mr. Debasish Ghosh
• Worked as a IIC (Institution's Innovation Council) member (2022-2023) – Ms. Priya Saha

Table 6: Faculties Participation in Workshop/Exhibition/Seminar/Event

• Participated Birla Academy of Art & Culture 2022– Ms. Priya Saha
• Participated Academy of Fine Arts, Exhibition 2022– Ms. Priya Saha
• Participated Gaiety Art Gallery, Shimla 2023– Ms. Priya Saha
• Participated Abir space, 2023– Ms. Priya Saha
• Participated Rajjya Charukala parsod Exhibition 2023 – Ms. Priya Saha
• Participated Bengal Art Foundation Exhibition 2023 (Academy of Fine Arts) – Ms Priya Saha
• Organized Agriculture Art Fair Exhibition 2023- Ms. Priya Saha, (Seacom Skills University)
• Organized Jewellery Exhibition 2023 – Ms. Priya Saha, (Seacom Skills University)
• Organized Creative Mask Workshop 2023 - Ms. Priya Saha, (Seacom Skills University)
• Organized Art Educational Outing Event 2023 – Ms. Priya Saha (Seacom Skills University)

Table 7: Departmental Student Development Event

• Art Fair Exhibition 2023- (Seacom Skills University)
• Jewellery Exhibition 2023 – (Seacom Skills University)
• Creative Mask Workshop 2023 - (Seacom Skills University)
• Art Educational Outing Event 2023 – (Seacom Skills University)
• Art Work Display (Exhibition) 2022 & 2023 – (Seacom Skills University)

4.5. School of Social Sciences

4.5.1. Department of Rural Development and Management

4.5.1.1. About the Department:

Rural development is a crucial interdisciplinary field that integrates various domains such as agriculture, health, economic development, social work, and natural resource management, all aimed at improving livelihoods in rural areas where many people live in poverty. In India, rural development is prioritized in national policies and programs due to its significant impact on the economy and society, especially in the context of globalization. Addressing rural poverty is not only essential for these communities but also beneficial for urban areas by alleviating excessive migration from rural to urban settings.

As conventional strategies and methods become increasingly outdated amid rapid changes in the global landscape, there is a compelling need for innovative approaches to address the complexities of rural development. Unfortunately, there remains a significant unmet demand for skills and capacity building among professionals in this field. Many educators, researchers, and policy-makers require modern training in contemporary concepts, methodologies, and tools to drive meaningful change. The scarcity of specialized institutions, particularly in eastern India that focus on rural development, further exacerbates this problem.

To mitigate this critical gap, Seacom Skills University launched both a three-year undergraduate program and a two-year master degree in rural development beginning in the academic session of 2018. Along with these academic offerings, the establishment of a dedicated Department of Rural Development and Management was initiated to foster a new generation of professionals equipped with the necessary skills to effectively implement rural development programs. This initiative aims to empower rural communities and contribute to the sustainable growth of the nation, ultimately striving for a more inclusive society.

4.5.1.2. Focus and Thrust Area

The Rural Development and Management Department at Seacom Skills University is dedicated to pioneering transformative initiatives that address the multifaceted challenges faced by rural communities. Our primary focus lies in fostering sustainable development through a holistic approach that encompasses economic growth, social equity, environmental stewardship, and community empowerment. We emphasize innovative problem-solving methodologies, integrating interdisciplinary perspectives to create effective solutions tailored to local contexts. By engaging in collaborative research and action-oriented projects, we aim to bridge the gap between theory and practice, ensuring that knowledge is not only generated but also meaningfully applied to enhance the livelihoods and well-being of rural populations. Our commitment to capacity building equips students and community members alike with essential skills, while our strategic partnerships amplify our impact and promote knowledge exchange, ultimately driving inclusive growth and resilience in rural settings. Through these focused thrust areas, we aspire to cultivate a generation of leaders who are not only equipped to face the challenges of rural development but are also inspired to create lasting positive change.

4.5.1.3. Programmes Offered and Intake Capacity

Course	Intake Capacity
BRDM	30
MRDM	15
BRS	30
MRS	15
MRDAM	15

4.5.1.4. Present faculty profile for UG/ PG courses:

Name	Highest Qualification	Designation	Specialization	Total Number of master degree Guided
Koyel Mukherjee	Master Degree	Assistant Professor	Women and child development, rural management, disaster management, sustainable natural resource management	08

Paper Publication in Journals:

1. Konar. A, Mukherjee. K, Ghosh. P & El-Shazly. M. (2022). Traditional medicinal plants used in different districts of West Bengal by the tribal communities. *Journal of Pharmacognosy and Phytochemistry*, 11(5), 104-110. <https://doi.org/10.22271/phyto.2022.v11.i5b.14479>
2. Konar. A, Mukherjee. K, & Kaur. J. (2022). A critical approach of plant tissue culture for rural economy. *International Journal of Current Science*, 12(4), 732-743. <https://rjpn.org/IJCSPUB/papers/IJCSP22D1439.pdf>
3. Mukherjee. K, Konar. A & Ghosh. P. (2022). Organic farming in India: A brief review. *International Journal of Research in Agronomy*, 5(2), 113-118. <https://doi.org/10.33545/2618060X.2022.v5.i2b.120>

FDP, Lecture, Seminar, Workshop, Webinar, Conference:

Sl.	TOPIC	ORGANIZED BY	DURATION	TYPE OF PROGRAM
1	2 WEEK ENTREPRENEURS HIP COURSE	TURNIP INNOVATIONS	2 WEEKS	ONLINE COURSE
2	RIGHT TO INFORMATION ACT, 2005 FOR SPIOS & SAPIOS	HARISH CHANDRA MATHUR RAJASTHAN STATE INSTITUTE OF PUBLIC ADMINISTRATI ON UDAIPUR, RAJASTHAN	2 DAYS	ONLINE TRAINING PROGRAM
3	STATISTICAL TECHNIQUES FOR AGRICULTURISTS	INDIAN INSTITUTE OF TECHNOLOGY (IIT, KANPUR), UNIVERSITY OF AGRICULTURA L SCIENCE (RAICHUR), COMMONWEA LTH OF LEARNING (CANADA)	6 WEEKS	MOOC
4	AI - ASSISTED SCIENTIFIC WRITING AND PUBLICATIONS	SCHOLARSGAT E RESEARCH TRAINING INSTITUTE	2 DAYS	INTERNATI ONAL WORKSHO P
5	INEQUALITY AND POVERTY IN INDIA: IMPACT OF COVID-19 PANDEMIC AND POLICY RESPONSE	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR
6	US PENSION AND HEALTH: LESSONS FOR INDIA	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR

7	WINNING IN UNCERTAIN TIMES	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR
8	AATMANIRBHAR BHARAT	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR
9	REIMAGINING MONEY: IDEAS AND EVIDENCE	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR
10	NEPAL'S AGRICULTURE	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR
11	QUESTIONNAIRE DESIGN, DATA COLLECTION, DATA ANALYSIS & INTERPRETATION	RESEARCH GRADUATE	1 DAY	WEBINAR
12	REVIEW PAPER WRITING FOR RESEARCH SCHOLARS	RESEARCH GRADUATE	1 DAY	WEBINAR
13	SYSTEMATIC LITERATURE REVIEW AND META ANALYSIS FOR RESEARCH SCHOLARS	RESEARCH GRADUATE	1 DAY	WEBINAR
14	HOW TO WRITE A PHD THESIS	RESEARCH GRADUATE	1 DAY	WEBINAR
15	THE EIGHT PER CENT SOLUTION: A STRATEGY FOR INDIA'S GROWTH	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR
16	RESHAPING GENDER	EGROW FOUNDATION	1 DAY	WEBINAR

	ATTITUDES IN INDIA: AN 8-YEAR FOLLOW-UP STUDY	FOR ECONOMIC GROWTH AND WELFARE		
17	INEQUALITY AND POVERTY IN INDIA: IMPACT OF COVID-19 PANDEMIC AND POLICY RESPONSE	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR
18	REIMAGINING MONEY: IDEAS AND EVIDENCE	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR
19	AATMANIRBHAR BHARAT	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR

****Besides most of the FDPs, Seminars organized by Seacom Skills University were attended.**

➤ **Student Details:**

Student Admission:

Course	Admitted	Total in all years combined
UG	2	2
PG	0	1

Final Semester Examination Results:

Course	Appeared	Passed
UG	0	0
PG	0	0

Other Information:

Teaching methods adopted:

- a) Induction lectures for new students
- b) Classroom lectures / Online lectures / Tutorial classes
- c) Audio lectures / Swayam Prabha videos / Movies
- d) Assignments and Seminar presentations
- e) Swayam NPTEL courses

Highlights:

Webinars were conducted

A series of eight informative and insightful webinars were organized, focusing on various aspects of rural development, social work, and community engagement. Each session featured expert speakers from diverse fields who provided valuable insights and real-world applications of theoretical knowledge. Students were encouraged to actively participate by asking questions and engaging in discussions, which fostered a collaborative learning environment. These webinars not only facilitated distance learning but also offered students the flexibility to explore relevant topics at their own pace. Additionally, attending these sessions contributed to enhancing students' digital literacy and online communication skills, equipping them for future challenges.

Post-pandemic tribal SHG survey

In the aftermath of the pandemic, the Department of Rural Development and Management (RDM) at Seacom Skills University conducted a comprehensive community survey across various tribal Self-Help Groups (SHGs) in the Birbhum district. This survey aimed to assess the challenges faced by these communities during and after the pandemic, focusing on their socio-economic conditions, health impacts, and access to resources. By engaging directly with tribal SHG members, the department sought to gather valuable insights and feedback that could inform future development initiatives and support tailored interventions. The findings from this survey will be instrumental in shaping strategies to enhance the resilience and well-being of tribal communities in the region, ensuring that their unique needs are addressed in the post-pandemic recovery phase.

Empowering Communities: RDM Students' Engagement in Government-Sponsored Livelihood Development Programs run by NGOs

Students from the Department of Rural Development and Management (RDM) at Seacom Skills University actively participated in and facilitated various government-sponsored livelihood development programs run by non-governmental organizations (NGOs). Their involvement included engaging with community members, assisting in the implementation of skill development initiatives, and providing support for sustainable livelihood projects. Through hands-on experience, students were able to apply theoretical knowledge in real-world settings, gaining valuable insights into the complexities of livelihood enhancement in rural areas. This experiential learning not only enriched their educational journey but also allowed them to contribute meaningfully to community

development, empowering individuals and families to improve their economic circumstances and build a better future.



4.6. School of Bio-Science

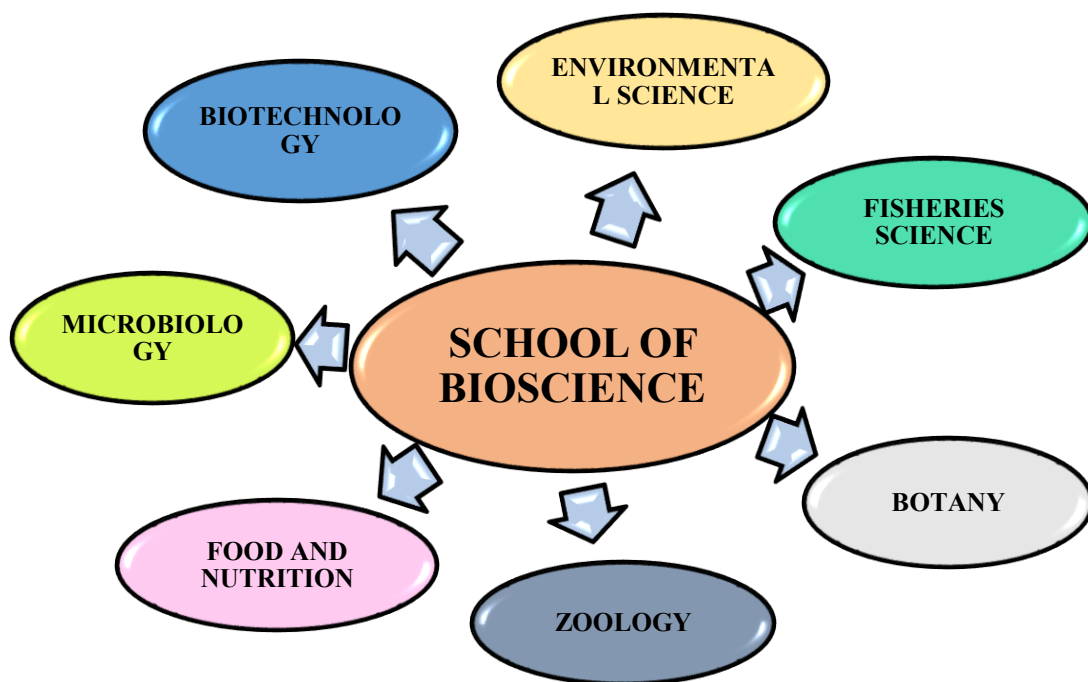
Life Science is a branch of the natural sciences dedicated to exploring living organisms—their structure, growth, functions, distribution, origins, and evolution.

What many people don't realize is that *biology* serves as an umbrella for a wide range of disciplines, including Botany, Zoology, Microbiology, Biotechnology, Food and Nutrition, Fisheries Science, and many others.

The impact of biology reaches far beyond the classroom. It deepens our understanding of the living world and brings awareness to critical issues such as climate change, environmental pollution, genetically modified crops, endangered species, agricultural research, and human health disorders. Like all scientific fields, biology sharpens our ability to think logically and critically, enabling us to make informed decisions grounded in careful observation and evidence.

4.6.1. Goals

- Advance our research efforts in emerging fields of the biological sciences and develop nationally recognized learning centers for undergraduate and graduate curricula.
- Increase the recruitment of and support for innovative and outstanding facility for the students.
- Identify and implement best practices to recruit and retain students from underrepresented groups.



4.6.2. Details of Courses and Course-Wise Intake Capacity

Courses	Departments	Intake Capacity
Under Graduate	B.Sc. Botany	60
	B.Sc. Biotechnology	60
	B.Sc. Microbiology	60
	B.Sc. Food and Nutrition	60
	B.Sc. Zoology	60
Post Graduate	M.Sc. Botany	30
	M.Sc. Biotechnology	30
	M.Sc. Environmental Science	30
	M.Sc. Fisheries Science	30
	M.Sc. Food and Nutrition	30
	M.Sc. Microbiology	30
	M.Sc. Zoology	30

4.6.3. School Infrastructure

Sl. No.	Infrastructure	Number
---------	----------------	--------

1	Classroom		3
2	Laboratory	Central Bioscience Laboratory	1
		Bioinformatics Laboratory	1
		Chemistry Laboratory (Sharing)	1
3	Departmental Library	Bibliophile (Depository library)	2
		eLIBs(Digital library)	
4	Faculty Room		1
5	Toilet (Sharing)		2
6	Field Laboratory	Nursery Pond	1
		Rearing Pond	1
		Stocking Pond	1



Figure 1: School Library



Figure 2: Bioscience Laboratory

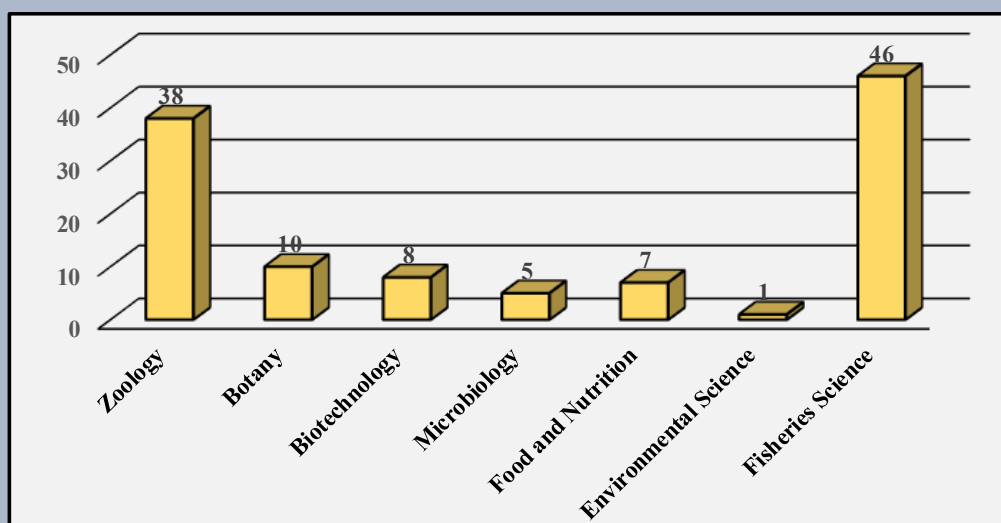


Figure 3: Bioscience Laboratory

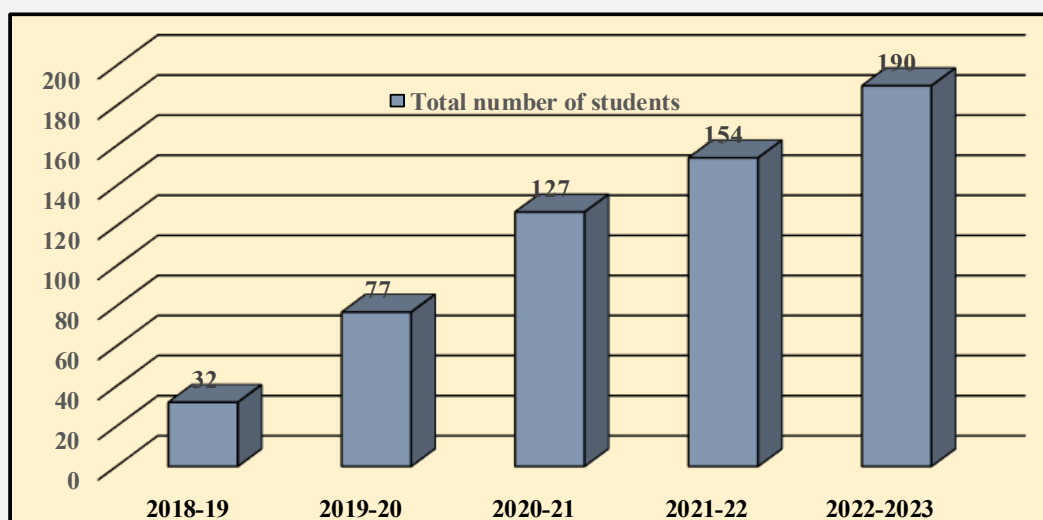


Figure 4: Bioscience Field

Department Wise Student Number



Year Wise Students Admission



Sl. No.	Name of the Faculty	Designation	Mail id
1.	Mr. Dip Das Dalal	Assistant Professor & DIC	dipdas86@gmail.com
2.	Dr. Pranabesh Ghosh	Assistant Professor	doctorpranabeshghosh@gmail.com
3.	Mr. Abhishek Roy	Assistant Professor	royabhishek49@gmail.com
4.	Dr. Soumya Prakash Das	Assistant Professor	soumo2das@gmail.com
5.	Ms. Sabnam Parvin	Assistant Professor	sabnam.ssubio@gmail.com
6.	Dr. Sukanta Nayek	Guest Faculty	sukanta.eve@gmail.com
7.	Mrs. Debalika Dalal	Guest Faculty	likadebdalal@gmail.com

Activity

Sl. No.	Publications/Guest Lecture	Published By
1	Morphological Features, Phytochemical and Ethnopharmacological Attributes of <i>Tabernaemontana divaricata</i> Linn.: A Comprehensive Review. Journal of Pharmacognosy and Phytochemistry. 2021, 10 (6): 31-36.	Dr. Pranabesh Ghosh
2	Evaluation of Phytochemical Constituents and Antioxidant Properties of <i>Trianthema portulacastrum</i> Linn. Journal of Medicinal Plant Studies. 2021, 9 (6): 1-6.	Dr. Pranabesh Ghosh
3	Preliminary Phytochemical Screening with the Evaluation of Antioxidant and Antimicrobial Efficacy Citrus limon and Citrus aurantifolia Leaf Hydro-Alcoholic Extract: A Comparative Study. International Journal of Botany Studies. 2021, 6 (4): 98-105.	Dr. Pranabesh Ghosh
4	Profiling and Pharmacognostic Evaluation of <i>Oldenlandia corymbosa</i> and <i>Ocimum sanctum</i> Leaves Hydroalcoholic Extracts: Comparative Study. Journal of Pharmaceutical Research International.	Dr. Pranabesh Ghosh

	2022, 34 (17A): 8-25.	
5	In Silico Structural Analysis of Chlorophyll Synthase: A Comparative Study between Monocot and Eudicot. Journal of Bioresearch. 2022, 1 (2). 67-76.	Dr. Pranabesh Ghosh
6	Traditional Medicinal Plants Used in Different Districts of West Bengal by the Tribal Communities. Journal of Pharmacognosy and Phytochemistry. 2022, 11 (5): 104-110.	Dr. Pranabesh Ghosh
7	Das, S. P., Deb, D., & Dey, N. (2021). Expression study of five genes involved in floral organ development in multiple seeded rice. Journal of Plant Biochemistry and Biotechnology, 29(2), 348-351.	Dr. Soumya Prakash Das
8	Ethnobotanical use of plants in Birbhum district, West Bengal, India, JMPS 2022; 10(1): 82-86 © 2022 JMPS	Abhishek Konar and Anusree Mondal

Sl. No.	Name of the Faculty	Publication			
		Chapter Title	Book Title	Publisher	ISSN/ISBN
1	Sabnam Parvin	People's knowledge on small fish as source of nutrition: a case study in Birbhum District of West Bengal	Role of Animal Sciences in National Development, Volume- I: Nanotechnology in Aquaculture	Today and Tomorrow's Printers and Publishers, New Delhi, India	ISBN 81-7019-558-2 (India) ISBN 1-55528-413-2 (USA)

Sl. No.	Faculty Development Programme/ Seminar/Webinar	Organized By	Participant
1	Clinical Research and Good Clinical Practice (GCP) (FDP)	D Y Patil University	Dr. Pranabesh Ghosh
2	Basics of health promotion and education intervention Wildlife ecology Basic course in ornithology (FDP)	NPTEL	Sabnam Parvin
3	Genetics of Herbicide Tolerance in Plants and its Applications (Seminar)	Seacom Skills University	Dr. Pranabesh Ghosh Mr. Dip Das Dalal Mr. Abhishek Roy

4	Foundation of Genetics (Seminar)	Seacom Skills University	Dr. Pranabesh Ghosh Mr. Dip Das Dalal Mr. Abhishek Roy
5	Cutting Edge Science in Cellular and Molecular Biomedicine. (Webinar)	Amity Institute of Molecular Medicine and Stem Cell Research.	Dr. Pranabesh Ghosh
6	Converging the activities of Innovation and Technology Transfer including Intellectual Property Rights Protection Issues in the State. (Webinar)	Department of Science & Technology and Biotechnology, Government of West Bengal	Dr. Pranabesh Ghosh
7	Higher Education Marketers Webinar: What are the priorities for 2022 (Webinar)	Times Higher Education	Dr. Pranabesh Ghosh
8	National Higher Education Qualification Framework (NHEQF). (Webinar)	University Grants Commission.	Dr. Pranabesh Ghosh
9	Awareness cum Training Program on to sensitize the officials of the Universities regarding the new NAAC Accreditation process. (Webinar)	Department of Higher Education, Government of West Bengal.	Dr. Pranabesh Ghosh
10	Leading beyond the COVID- 19 Health Care Crisis. (Webinar)	Harvard Medical School	Dip Das Dalal
11	Cutting Edge Science in Cellular and Molecular Biomedicine. (Webinar)	Amity Institute of Molecular Medicine and Stem Cell Research	Dip Das Dalal
12	National Higher Education Qualification	University	Dip Das Dalal

	Framework (NHEQF) (Webinar)	Grants Commission	
13	Leading beyond the COVID- 19 Health Care Crisis. (Webinar)	Harvard Medical School	Abhishek Roy
14	Paradigm Shift. (Webinar)	Noorul Islam Centre for Higher Education.	Abhishek Roy
15	Cutting Edge Science in Cellular and Molecular Biomedicine. (Webinar)	Amity Institute of Molecular Medicine and Stem Cell Research	Abhishek Roy
16	National Higher Education Qualification Framework (NHEQF) (Webinar)	University Grants Commission	Abhishek Roy
17	Training and Life of a Civil Servant (Webinar)	Seacom Skills University	Dr. Pranabesh Ghosh, Dr. Soumya Prakash Das, Mr. Dip Das Dalal, Mr. Abhishek Roy Ms. Sabnam Parvin
18	An Awareness Session on National Digital Library of India (Webinar)	Seacom Skills University	Dr. Pranabesh Ghosh, Dr. Soumya Prakash Das, Mr. Dip Das Dalal, Mr. Abhishek Roy Ms. Sabnam Parvin

Sl. No.	Conference	Organized By	Participant
1	International Conference on “Mother Earth: Environmental Crisis & Sustainable Strategies”.	Department of Environmental Science, The University of Burdwan. West Bengal	Dr. Sukanta Nayek
2	Indian 1st Leadership Talk	MHRD’S Innovation Cell, Govt. of India	Dip Das Dalal
3	Indian 1st Leadership Talk	MHRD’S Innovation Cell, Govt. of India	Abhishek Roy

Sl. No.	Internship	Participant
1	R. N. Tagore Hospital, Kolkata, West Bengal	Monalisha Chatterjee
2	Fortis Healthcare, Kolkata, West Bengal	Sweety Ghosh
3	IQ City Multispeciality Hospital, Durgapur, West Bengal	Sanjana Chakraborty
4	Neotia Getwel Healthcare, Siliguri, West Bengal	Tithi Debnath
5	Fortis Healthcare, Kolkata, West Bengal	Ramiz Ali
6	Apollo Gleneagles Hospital, Kolkata, West Bengal	Onendrila Dawn
7	Apollo Gleneagles Hospital, Kolkata, West Bengal	Sania Mondal

Internship of Our Student in Different Hospitals



Industrial Visit

MOTHER DAIRY CALCUTTA – A Government of West Bengal project, was started under Operation Flood II of National Dairy Development Board. It was set up initially to cater to the demand of the Kolkata urban agglomeration spread over the Kolkata Metropolitan area, approximately 852 sq kms. Mother Dairy is also reaching out to the consumers of other Districts. It is selling Milk & Milk Products like Mishti Doi , Flavoured Yoghurt, Plain yoghurt, Paneer, Cow Ghee and Packaged Drinking Water. Now it has started diversifying its activity by selling the product of other Cooperative, Unions of West Bengal and other States as Mother Dairy has a strong marketing network. Under Operation Flood III in the year 1997, the processing capacity of the plant was increased from 400,000 litres per day to 600,000 litres per day. In the year 2000, Mother Dairy Calcutta received ISO 9002 certification and in the year 2001 Mother Dairy received HACCP Certification.

Date of Visit: 10.05.2023

Supervised by: Mr. Abhishek Roy & Mr. Dip Das Dalal

Field Visit and Sample collection:

Ballavpur Wildlife Sanctuary the Asansol-Durgapur region is composed of undulating latterite region. This area lies between two mighty rivers the Damodar and the Ajay. They flow almost parallel to each other (30 km apart) in the region. Ballabhpur Wildlife Sanctuary (popular for Deer Park) was established in 1977. This wooded area is located near Santiniketan in Bolpur subdivision of Birbhum District in the Indian state of West Bengal. It has an average elevation of 56 meters (180 ft). This Wildlife Sanctuary is home to three large water bodies (Jheel) which hosts migratory as well as resident birds in

plenty. The sanctuary has one of the most successful deer conservation records in the state. It is home to numerous Cheethals (Spotted Deer), Blackbuck and other resident animals like jackals and foxes. The whole sanctuary is a protected area with watchtowers and jungle paths for tourists to walk around and catch glimpses of deer and other wildlife.

Date of Visit: 12.07.2022

Supervised by: Ms. Sabnam Parvin

Health Centre Visit:

Bolpur Primary Health Centre (PHCs), sometimes referred to as public health centre, is a state-owned rural health care facilities in Bolpur Sriniketan block of BIRBHUM district of West Bengal. It is essentially single-physician clinics usually with facilities for minor surgeries. They are part of the government-funded public health system in India and are the most basic units of this system. Primary Health Centers programmes are listed below:

- Provision of medical care
- Maternal-child health including family planning
- Safe water supply and basic sanitation
- Prevention and control of locally endemic diseases
- Collection and reporting of vital statistics
- Education about health
- National health programmes

Date of Visit: 19.09.2022

Supervised by: Mr. Abhishek Roy & Mr. Dip Das Dalal



Health Centre Visit of Student in Bolpur Block Primary Health Center, Bolpur, Birbhum

School Visit:

Kendradangal Primary School was established in 1952 and it is managed by the Department of Education. It is located in rural area. It is located in Bolpur, Sriniketan block of Birbhum district of West Bengal. The school is Co-educational. Bengali is the

medium of instructions in this school. It has 6 classrooms for teaching purposes. All the classrooms are in good condition. It has 2 other rooms for non-teaching activities. The school has a separate room for Head master/Teacher. The school has boundary wall. The school has electric connection. The source of Drinking Water in the school is Hand Pumps and it is functional. The school has 1 boy's toilet and it is functional and 1 girl's toilet and it is functional. The school has a playground. The school is provided and Prepared in School Premises providing mid-day meal.

Date of Visit: 12.07.2023

Supervised by: Mr. Abhishek Roy



School Visit of Students in Kendradangal Broad Primary School, Kendradangal, Birbhum

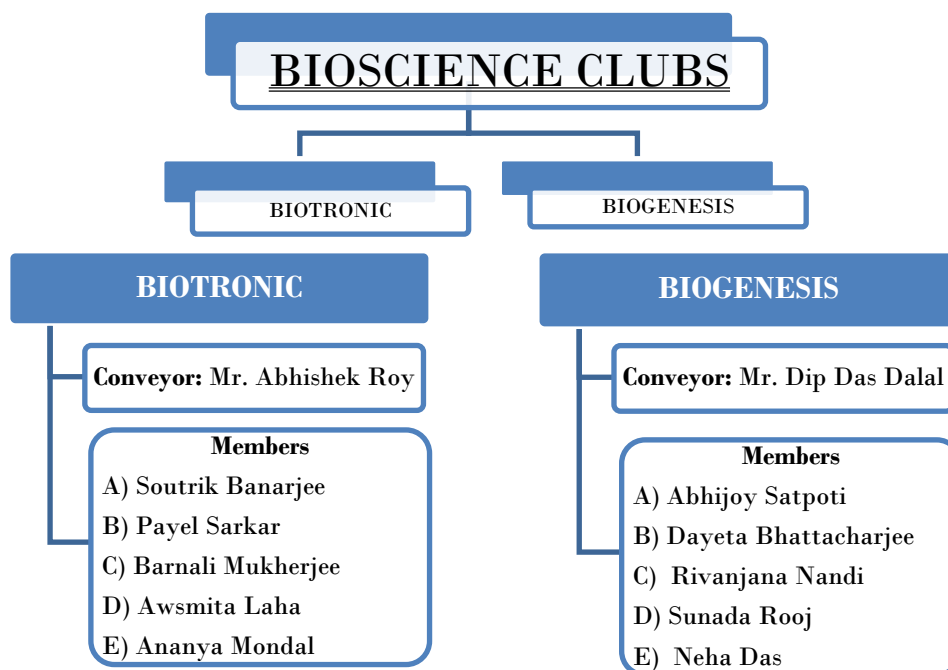
Celebration and Events

National Vaccination Day:

The Government of India observes 16 March as National Vaccination Day to acknowledge and appreciate the hard work of frontline health care workers to ensure the vaccination of every child. India has made remarkable progress in scaling up routine immunization through intensified vaccination drives. Thus Government of India celebrated 16th March, 2023 as National Vaccination Day. School of Bioscience, Seacom Skills University also celebrated this day.

S. No.	Programme Schedule	Topic
1.	Participation of students in Quiz competition organized by Ministry of	'Vaccines save Lives'

Initiatives for student development



VISION OF THE CLUBS

To provide excellence in inter-disciplinary education, research and innovation, preparing socially responsible well-grounded individuals contributing to nation building.

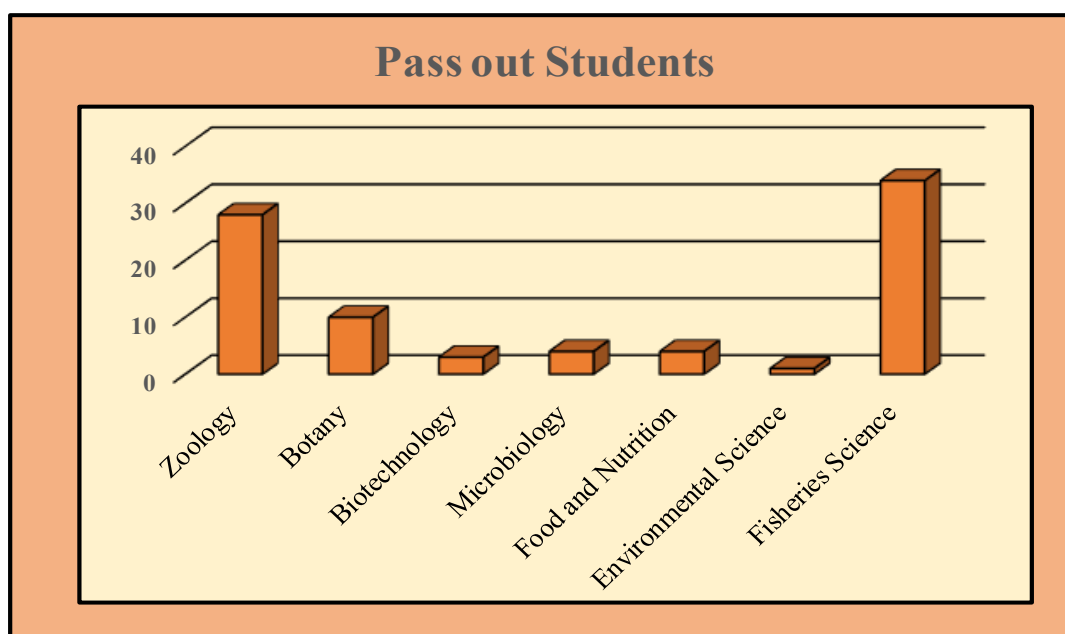
MISSION OF THE CLUBS

To promote exchange of innovative ideas across the disciplines through effective use of teaching-learning methods, tools and techniques, and harnessing the expertise of well-established resource persons in the different fields of apex knowledge-domain.

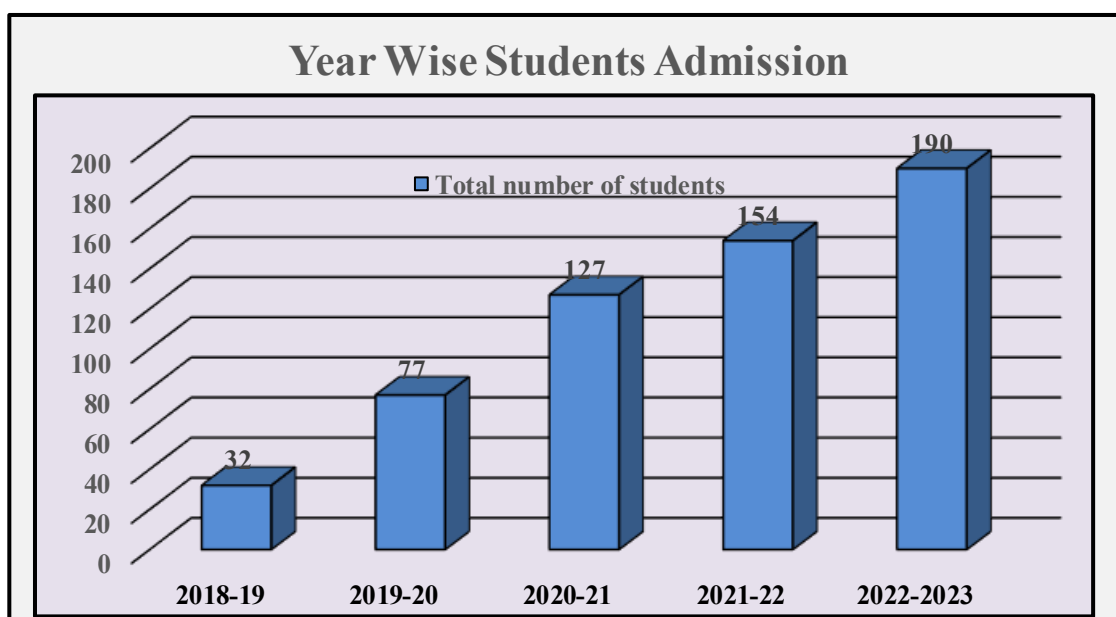
CLUB NAME	RESPONSIBILITY OF THE CLUBS	ACTIVITY OF THE CLUBS
BIOTRONIC	A. Beautification of campus. B. Celebration of Important Days.	A. Participations in bioscience fairs. B. Beautification of campus. C. Attend National and State level scientific exhibitions. D. Celebration of road safety week.
BIOGENESIS	A. Preparation of posters, banners, paintings etc.	A. Conducting quizzes. B. Celebration of Birthdays of Eminent Scientists in the field of Biology.

	B. Organizing of internal competitions.	C. Organizing scientific lectures, debates, seminars etc. D. To watch Scientific Movies to increase scientific values of the students. E. Publication of life science articles in Scientific Magazines. F. Preparation of charts and models for school level exhibitions.
--	--	---

Pass out Students in the Academic Year 2022-23:



Year Wise students Admission 2022-23



4.7. School of Engineering

4.7.1. Department of Civil Engineering

4.7.1.1. About the Department

The Department is renowned for cutting edge state of the art and quality education since its inception. The Department is also known for facilitating the quality education to the highest and conducting various curricular and extracurricular activities to make students excel in every field of study, through.

- | | | |
|-------------------------------------|--------------------------|---------------------------|
| ➤ Interaction with Board of Studies | ☐ | Peer group learning |
| ➤ Value added courses | ☐ | Experiential Learning |
| ➤ Bridge courses Lectures | ☐ | Seminars and Guest |
| ➤ Programming contest programmes | ☐ | Faculty development |
| ➤ Tutorials | ☐ | Consultancy services |
| ➤ Problem Solving Skills | ☐ | Social service activities |

Civil Engineering focuses on planning, designing, and supervising the construction of facilities required for modern life. The students of civil engineering study planning, designing and supervising of various facilities. Civil department at Seacom has well experienced staffs who nurture the professional growth of young budding engineers. Faculty members are not only teaching, they are also molding the students into competent professionals.

4.7.1.2. Course Overview:

Technology today is an integral part of living. From scientific research practices that run the world to our day to day living, all revolves around technology. A comprehensive course is offered by the civil engineering department in various disciplines and we aim at imparting research driven knowledge to our students. Today, technology is growing at a rapid pace. In the coming future there is bound to be huge demand for competent engineers in various industries to cope with this demand in technology. The program aims at creating high-quality professionals – (1) who would be equipped with knowledge that could steer numerous industries in future, (2) who would be instrumental in developing cutting-edge technology for top notch enterprises, and (3) who could lead developmental/cultural Universities and relevant policy bodies in governmental and international consultancy sectors

We focus on various knowledge centered programmes for the betterment of students. Interactive seminars on emerging technologies and personality development programmes

are arranged. The University has tie-ups with various reputed organizations to provide better placement to the students. The University campus is considered as one of the best campuses in West Bengal. A reservoir of dynamic, experienced and dedicated faculties are always ready to devote their fullest effort for the betterment of the students.

4.7.1.3. Courses offered

B.TECH- Civil Engineering

Eligibility:

- ✓ Valid rank in WBJEE/JEE(MAIN)/ SSU Admission Test
- ✓ PCM % => 45%(40% for SC/ST) in 12th standard
- ✓ Compulsory English in 12th standard with pass marks

Course Duration:- 4 years.

B.TECH- Civil Engineering

Eligibility:

- ✓ Completed Diploma in Civil engineering Discipline.

Course Duration:- 3 years.

INT B.TECH- Civil Engineering

Eligibility:- Class 10 passed.

Duration :- 6 years (Five years of classroom teaching with One year of Industrial training)

M.TECH- Civil Engineering (Structural Engineering Specialization)

Eligibility:

Must Have B.E/B.Tech in Relevant Discipline

4.7.1.4. Faculty details

Department of Civil Engineering				
1.	Mr. Indranil Bardhan	Assistant Professor	9733830083	indranilbardhan91@gmail.com
2.	Md Josimoddin Azad	Assistant Professor	9153147123	civil.mjazad@gmail.com
3.	Mr. Subhadip Sarkar	Assistant Professor	9475977885	subhadipsarkar555@gmail.com

4.7.1.5. Student development program: (in-house)

4.7.1.5.1 LIFE SKILLS TRAINING PROGRAM (IN ASSOCIATION WITH RUBICON)

The life skills training program was conducted to facilitate the students for their career growth and boost them up with the new tactics to face the different situations as and after.

Venue : SSU Campus,(auditorium)

4.7.1.5.2 ENTREPRENEURSHIP TALK SERIES ORGANIZED BY CSDC

The talk series was conducted to facilitate the students for their career growth and motivation to interact and have a better means of communication.

Mode : Google meet

4.7.1.5.3 EXPERT TALK ON MINDSET AND MOTIVATION

The expert talk was conducted to facilitate the students for their career growth and focus on the mindset challenges and its suitable outcomes.

Mode : Google meet

4.7.1.5.4 HANDS ON TRAINING ON TIME MANAGEMENT IN ASSOCIATION WITH IBM

The hands-on training as arranged was for the students to learn on how effectively they can utilize the time with different activities beyond schedule also in day to day life.

Mode : Zoom

4.7.1.5.5 WEBINAR ON IT SKILL DEVELOPMENT

Mode : Google meet

4.7.1.5.6 . WORKSHOP ON “STAAD PRO”

The workshop was conducted to facilitate teaching and non-teaching staff members of the college. The objective of the program was to provide the following skill sets to the participants

Venue : COMPUTER LAB & CLASSROOM

The Workshop focused on:

- Analysis & Design of a multistorey building by using STAAD PRO

4.7.1.5.7 WEBINAR ON “ETABS 2017”

The workshop was conducted to facilitate teaching and non-teaching staff members of the college. The objective of the program was to provide the following skill sets to the participants

Mode: Google Meet

The Webinar focused on:

- Analysis & Design of a Bridge by using ETABS 2017

4.7.1.6. FACULTY DEVELOPMENT PROGRAM:

1. NDLI club Awareness session and enrolment guidance procedure was organized on 20th May,2022
2. Faculty development program on critical thinking and team building was organized on 15th Feb,2022

4.7.1.7. ACHIEVEMENTS:

- 2 Students from our department have got placement in Rinex and Byju's with a highest package of 8 LPA & 6 LPA respectively.

4.7.1.8. INITIATIVE FOR STUDENT DEVELOPMENT:

1. Content based lecture sessions
2. Doubt clearance and assignment Q/A clearance sessions
3. Guidance regarding preparation of ppts,projects with easy steps.
4. Awaring to participate in different events as organized by the University as well as other platforms related to the department.
5. Free slots to clear with the matters as faced by the students.

4.7.1.9. Teaching Mode & Methodology

The academic curriculum and pedagogy at Seacom Skills University is designed to challenge students and provide them with a robust foundation to build exciting careers. It features:

- ✓ Teaching Mode: Offline (Classroom Teaching)
- ✓ A curriculum designed to strike the right balance between theory and practice, enhancing knowledge and skills while also encouraging experimentation;

- ✓ The opportunity to understand how business is carried out across borders, in a global marketplace;
- ✓ Discussion and debate in an academic environment, where professors and students encourage each other to uncover new ideas and find creative solutions to challenging problems;
- ✓ Experiential learning integrated into each module of the program, with an emphasis on bridging the gap between theory and practice;
- ✓; Equips students with the skills and knowledge required to start and sustain their own business
- ✓ Enables students to practice such activities as researching markets for new products/ service ideas, producing a business plan with projected financial statements;
- ✓ Exposure to get familiar with the characteristics and motivation of successful entrepreneurs and interact with them in a live situation;

4.7.2. Department of Electrical Engineering

The department of electrical engineering at SEACOM SKILLS UNIVERSITY has been playing a vital role in producing technologists of high caliber since its establishment. The department caters to the ever challenging needs of technical excellence in all areas of electrical engineering such as Integrated electronics and circuits, Tele-communications, Computer technology, Control & Automation, Power systems & Power electronics. In addition to the strong undergraduate programs, the department has been playing a pioneering role in producing world class postgraduates and research scholars. The infrastructure and lab facilities are upgraded from time to time and provide adequate opportunities for students and researchers to learn and innovate. The department has distinguished faculty, all holding Ph.D. degrees from renowned institutes in India and abroad.

The Department is renowned for cutting edge state of the art and quality education since its inception. The Department is also known for facilitating the quality education to the highest and conducting various curricular and extra-curricular activities to make students excel in every field of study, through...

- Interaction with Board of Studies
- Value added courses
- Experiential Learning
- Seminars and Guest Lectures
- Programming contest
- Faculty development programmes
- Tutorials
- Problem Solving Skills

4.7.2.1. Departmental Infrastructure:

The Department of Electrical Engineering has Three Laboratory room in the Academic Building1. The electrical Machine I and Electrical Machine II lab in the ground floor and Power System Lab in the First Floor. Basic Electrical Engineering Lab in the Workshop Premises.

Infrastructure Facilities:

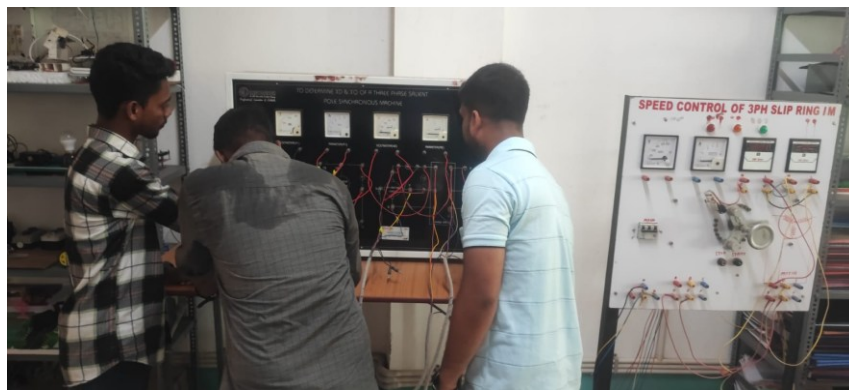
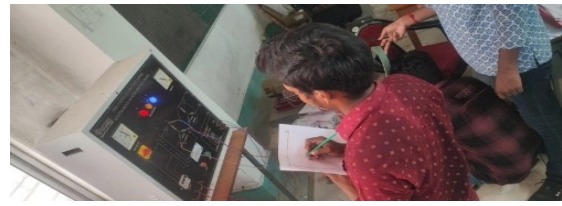
Sl No.	Laboratory	Experiments
1	BASIC ELECTRICAL LABORATORY	A basic electrical engineering lab introduces fundamental concepts and hands-on experiments to help students understand the principles of electrical circuits and systems. Here are some common elements: Equipment Use Multimeters Oscilloscopes Function Generators Resistors, Capacitors, and Inductors Breadboards for Circuit Building Power Supplies 1. Characteristics of Fluorescent lamps 2. Characteristics of Tungsten and Carbon filament lamps 3. (a) Verification of Thevenin's theorem. (b) Verification of Norton's theorems. 4. Verification of Maximum power theorem. 5. Verification of Superposition theorem 6. Study of R-L-C Series circuit 7. Study of R-L-C parallel circuit 8. Calibration of Wattmeter and Ammeter. 9. Starting and speed control of DC series Motor. 10. Open circuit and short circuit test of single phase transformer. 11. DC generator characteristics. 12. Three phase power measurement by Two wattmeter method.
2	ELECTRIC MACHINE I LABORATORY	An electric machine I laboratory focuses on the study and experimentation of various types of electrical machines and their performance characteristics. We have 1. DC Machine a. Separately Excited DC generator b. DC shunt Motor c. DC Series Motor d. Compound DC generator(short shunt) 2. Transformer(single and three phase) 1. Study of the characteristics of a separately excited DC generator. 2. Study of the characteristics of a DC motor 3. Study of methods of speed control of DC SHUNT motor 4. Study of the characteristics of a compound DC generator (short shunt). 5. Measurement of speed of DC series motor as a function of load torque. 6. Study of equivalent circuit of a single phase transformer. 7. Polarity test on a single phase study of different connections of transformer.

		3. Induction Motor(three phase) a. Wound rotor Induction Motor b. Squirrel-cage Induction Motor	8. Study of equivalent circuit hase Induction motor by no load ed rotor test. 9. Study of performance of wound rotor Induction motor under load. 10. Study of performance of three phase squirrel-cage Induction motor– determination of iron-loss ,friction & windage loss.
3	ELECTRIC MACHINE II LABORATORY	An Electric Machine II Laboratory typically focuses on advanced electrical machines and their control methods. We have Induction Motor(single & three phase) a. Squirrel Cage Induction Motor b. Slip ring Induction Motor	1. Different methods of starting of a 3phase Cage Induction Motor & their comparison [DOL, Auto transformer & Star-Delta] 2. Speed control of 3 phase squirrel cage induction motor by different methods & their comparison [voltage control & frequency control]. 3. Speed control of 3 phase slip ring Induction motor by rotor resistance control. 4. Determination of equivalent circuit parameters of a single phase Induction motor. 5. Load test on single phase Induction motor to obtain the performance characteristics 6. Load test on wound rotor Induction motor to obtain the performance characteristics. 7. To study the performance of Induction generator.
		Synchronous Machines a. Synchronous generator b. Synchronous Motor	8. Determination of regulation of Synchronous machine by Potiers Triangle method. 9. To determine the direct axis resistance [X_d] & quadrature reactance [X_q] of a 3 phase synchronous machine by slip test. 10. Parallel operation of 3 phase Synchronous generators. 11 V-curve of Synchronous motor
4	POWER SYSTEM I LABORATORY	A Power System I Laboratory focuses on the analysis, testing, and simulation of fundamental power system components and concepts.	1. Determination of the generalized constants A,B,C,D of long transmission line. 2. Simulation of DC distribution by network analyzer. 3. Measurement of earth resistance by earth tester. 4. Dielectric strength test of insulating oil.

			5. Different parameter calculation by power circle diagram 6. Study of different types of insulator. 7. Active and reactive power control of alternator.
5	POWER SYSTEM II LABORATORY	A Power System II Laboratory typically deals with advanced concepts in power systems, focusing on analysis, control, and protection mechanisms in modern power networks 1. On Load Time Delay relay and Off load time delay relay 2. CT and PT 3. Under Voltage Relay 4. Earth Fault Relay 5. Overcurrent relay	1. Study of the characteristics of on load time delay relay and off load time delay relay. 2. Test to find out polarity, ratio and magnetization characteristics of CT and PT. 3. Test to find out characteristics of (a) under voltage relay (b) earth fault relay. 4. Study of different characteristics of over current relay. 5. Study of different protection scheme for feeder.
6	MICROPROCESSOR LABORATORY	A Microprocessor Laboratory focuses on understanding the architecture, programming, and interfacing of microprocessors and microcontrollers, Equipment Used Microprocessor and microcontroller kits (e.g., 8085, 8051, or Raspberry Pi boards) Programmers/debuggers for code uploading and troubleshooting Oscilloscopes and logic analyzers for signal observation. Interface modules (ADC/DAC, displays, sensors). Power supplies and breadboards for custom circuits This lab combines programming and hardware integration skills, laying the foundation for embedded systems development.	Familiarization of assembler, directives and system interrupts. Addition of two hexadecimal numbers. Addition of two decimal numbers. Subtraction of two hexadecimal numbers. Subtraction of two decimal numbers Multi-byte addition of two hexadecimal numbers Multiplication of two hexadecimal numbers using bit addition method Multiplication of two hexadecimal numbers using bit rotation method Finding the maximum value in an array. BCD to Hexadecimal and vice-versa BCD to Binary Conversion and vice-versa Stepper motor control
7	CONTROL SYSTEM ENGINEERING LABORATORY	Control system laboratories are specialized facilities where students and researchers explore the principles of	Familiarization with MAT-Lab control system tool box, MAT-Lab-simulink tool box & PSPICE

		control systems, which are essential for automation and engineering.	Determination of Step response for first order & Second order system with unity feedback on CRO & calculation of control system specification like Time constant, % peak overshoot, settling time etc. from the response. Simulation of Step response & Impulse response for type-0, type-1 & Type-2 system with unity feedback using MATLAB & PSPICE Determination of Rootlocus, Bode plot, Nyquist plot using MATLAB control system toolbox for 2nd order system & determination of different control system specification from the plot. Determination of PI, PD and PID controller action of first order simulated process Determination of approximate transfer functions experimentally from Bode plot. Evaluation of steady state error, setting time, percentage peak overshoot, gain margin, phase margin with addition of Lead
8	MEASUREMENT AND INSTRUMENTATION LABORATORY	Measurement and Instrumentation Laboratories are essential for understanding the principles of measuring physical quantities and using instruments effectively. These labs often focus on experiments involving sensors, transducers, oscilloscopes, and data acquisition systems. They help students learn about calibration, error analysis, and the practical applications of measurement techniques.	Measurement of a batch of resistors and estimating statistical parameters. Measurement of L using a bridge technique as well as LCR meter. Measurement of C using a bridge technique as well as LCR meter. Measurement of Low Resistance using Kelvin's double bridge. Measurement of High resistance and Insulation resistance using Megger. Usage of DSO for steady state periodic waveforms produced by a function generator. Selection of trigger source and trigger level, selection of time-scale and voltage scale.

			Bandwidth of measurement and sampling rate. Download of one-cycle data of a periodic waveform from a DSO and use values to compute the RMS values using a C program. Usage of DSO to capture transients like a step change in R-L-C circuit. Current Measurement using Shunt, CT, and Hall Sensor.
9	DIGITAL ELECTRONICS LABORATORY	Digital Electronics Laboratories are spaces where students and researchers explore the principles of digital circuits and systems. These labs typically involve experiments with logic gates, flip-flops, multiplexers, counters, and other digital components. They help in understanding the design, analysis, and implementation of digital systems.	1. Realization of basic gates using Universal logic gates. 2. Realization of RS-JK & D flip flop using logic gates. 3. Design of Combinational circuit for BCD to decimal conversion to drive 7-segment display using Multiplexer. 4. Realization of Synchronous Up/Down counter. 5. Construction of simple Decoder & Multiplexer circuits using logic gates. 6. Construction of adder circuit using Shift register & Full adder.



4.7.2.2. Details of Courses

The department is currently offered four years full time Bachelor in Technology (B.Tech.), Master in Technology (M.Tech.) in Power System Engineering(PSE); Renewable Engineering(RE)

SL.NO	PROGRAMME	COURSE	INTAKE	COURSE DURATION(YEARS)
01	UG	INTEGRATED B.TECH.	60	5+1
02	UG	B.TECH.	60	4
03	PG	M.TECH(POWER SYSTEM ENGINEERING)	30	2
04	PG	M.TECH.(RENEWABLE ENGINEERING)	30	2

Details of Department Faculty

SL. NO	NAME	QUALIFICATIONS	DESIGNATION	STATUS	MAIL-ID
1	Mr. Swaraj Dutta	M.Tech, B.Tech	HoD and Assistant Professor	Full Time	hod.ee@seacomskillsuniversity.org
2	Mr. Manoj Dey	M.Tech, B.Tech	Assistant Professor	Full Time	electricalseacom@gmail.com
3	Mr. Sk Alam	B.Tech,	Teaching Associate	Full Time	skalam10101992@gmail.com

4.7.2.3. Faculty Attended Programmes (In-house & Outside)

S.NO	NAME	Attended Programmes
1	Mr. Swaraj Dutta, HoD and Assistant Professor	1. National Intellectual property awareness under NiPAM on 31 jan, 2023 2. Application of inverse problem in science and engineering under SSU on 10 th may, 2023 3. Adobe creativity skill international workshop on 9 th june, 2023. 4. FDP on Power generation from energy resources from 24 th april to 28 th april, 2023 under NITTTR. 5. Role of technical institutions in community development from 5 th may to 12 th may, 2023 under NITTTR. 6. Renewable energy and smart grid from 15 th may to 19 th may 2023 under NITTTR. 7. Excel for data analysis on 6 th September, 2023 under big data under Digital Adda. 8. Creativity, innovation and design thinking from 29 th may to 2 nd june, 2023 under Moradabad Institute of Technology.
2	Mr. Manoj Dey, Assistant Professor	National Intellectual property awareness under NiPAM on 31 jan, 2023 Adobe creativity skill international workshop on 9 th june, 2023. Application of inverse problem in science and engineering under SSU on 10 th may, 2023

Creativity, innovation and design thinking from 29th may to 2nd june, 2023 under Moradabad Institute of Technology.
Renewable energy and smart grid from 15th may to 19th may 2023 under NITTTR.

4.7.2.4. Celebration & Events conducted

Successfully conducted our very own Engineers Day on 15th September,2022.



4.7.2.5. Any initiative for student development

4.7.2.5.1 LIFE SKILLS TRAINING PROGRAM

The life skills training program was conducted to facilitate the students for their career growth and boost them up with the new tactics to face the different situations as and after.

Venue: SSU Campus

4.7.2.5.2 ENTREPRENEURSHIP TALK SERIES

The talk series was conducted to facilitate the students for their career growth and motivation to interact and have a better means of communication.

Venue: SSU Campus

4.7.2.5.3 EXPERT TALK ON MINDSET AND MOTIVATION

The expert talk was conducted to facilitate the students for their career growth and focus on the mindset challenges and its suitable outcomes.

Mode: Google meet

4.7.2.5.4 HANDS ON TRAINING ON TIME MANAGEMENT

The hands-on training as arranged was for the students to learn on how effectively they can utilize the time with different activities beyond schedule also in day to day life.

Mode: Zoom

4.7.2.6. Innovative teaching learning practices

Lecture method
Hands on experience
Project Method
Peer-to- peer Learning
Student Seminars
Problem Solving Skills
Experiential learning
Collaborative Learning
Audio-Visual presentations through LC

4.7.2.7. Future Plan of the Department

Do gain unique identity for the Department by conducting Seminars, Workshops Guest Lectures that enhances the scientific temperament in Students and Faculty

To encourage and direct Faculty and students towards Paper Presentations, Minor Projects and PhD's.

Encourage, motivated and guide students to pursue projects in the field of Electrical Engineering.

Organize Institution Industry Interaction programmes, and Industrial Visits.

4.7.2.8. Induction Program for Students as per AICTE

 SEACOM SKILLS UNIVERSITY SCHOOL OF ENGINEERING			
Induction Schedule for the Session:2022-23			
Date	Time	Topic	Speaker/Conducted by
14.09.2022	12:30 P.M-1:30 P.M	Generalized Induction	Higher Officials
16.09.2022	12:00 Noon-01:00 P.M	Engineering application and career counselling	Mr. Indranil Bardhan
	2:00 P.M - 3:00 P.M	Non-conventional engineering and its resources and its application	Dr. Pranab Kanti Roy
19.09.2022	12:00 Noon-01:00 P.M	Women protection and Anti-Ragging	Ms. Sanjukta Chakraborty
	2:00 P.M - 3:00 P.M	Aptitude Skills	Mr. Abhijeet Sarkar and Mr. S.K.Alam
20.09.2022	12:00 Noon-01:00 P.M	MOOC's :An Online Education System	Mr. Krishna Gopal Addya
	2:00 P.M - 3:00 P.M	Modern Examination Pattern and Marking System	Mr. Manoj Dey
21.09.2022	12:00 Noon-02:00 P.M	Grooming and personality development	Ms. Sanjukta Chakraborty and Mr. Krishna Gopal Addya
NOTE: Normal classes will be commencing from 22.09.2022 (Thursday) as per schedule given by the respective departments of Engineering and Allied stream.			
Date: 12/09/2022			
Prepared by: Pulak Halder			
Principal School Of Engineering			

4.7.2.9. Summary of student Enrollment and Passed out

No of faculty: 03

No of students: UG – 169

PG – 02

Intake capacity: UG – 60

PG – 30

Syllabus Followed- New syllabus formed as AICTE Model Syllabus pattern
Approved by university authority.

Number Of Enrolled: UG – 69

PG – 03

Number Of Passed Out: UG – 20 (60)

PG – Nil (30)

Number of students drop out: UG-Nil

PG- Nil

Maximum marks obtain by students: UG – 9.29 (SGPA)

Number of fail candidate: UG – Nil

The percentage of attendance: UG – 76%



4.7.3. Computer Science and Engineering

4.7.3.1. About the Department:

The Department of Computer Applications under School of Computer Applications has a thriving research environment with active research groups in the areas of Algorithms, Artificial Intelligence, Programming, MIS, Bioinformatics, Complex and Social Networks, Machine Learning, Data and Web Mining etc. Graduates from the department at all levels secure excellent placements.

The Department is renowned for cutting edge state of the art and quality education since its inception. The Department is also known for facilitating the quality education to the highest and conducting various curricular and extra-curricular activities to make students excel in every field of study, through

- Value added courses
- Experiential Learning
- Bridge courses
- Seminars and Guest Lectures
- Programming contest
- Faculty development programmes
- Tutorials
- Consultancy services
- Problem Solving Skills

Year of Establishment of the Department: 2014

Teaching Mode & Methodology

The academic curriculum and pedagogy at Seacom Skills University is designed to challenge students and provide them with a robust foundation to build exciting careers. It features:

- ✓ Teaching Mode: Offline Classes
- ✓ A curriculum designed to strike the right balance between theory and practice, enhancing knowledge and skills while also encouraging experimentation;
- ✓ The opportunity to understand how business is carried out across borders, in a global marketplace;
- ✓ Discussion and debate in an academic environment, where professors and students encourage each other to uncover new ideas and find creative solutions to challenging problems;
- ✓ Experiential learning integrated into each module of the program, with an emphasis on bridging the gap between theory and practice;

4.7.3.2. Course Overview:

Technology today is an integral part of living. From scientific research practices that run the world to our day to day living, all revolves around technology. A comprehensive course is offered by us at SEACOM in various disciplines and we aim at imparting research driven knowledge to our students. Today, technology is growing at a rapid pace. In the coming future there is bound to be huge demand for competent engineers in various industry to cope this demand in technology. The program aims at creating high-quality professionals-

- (1) who would be equipped with knowledge that could steer numerous industries in future,
- (2) who would be instrumental in developing cutting-edge technology for top notch enterprises, and
- (3) who could lead developmental/cultural Universities and relevant policy bodies in governmental and international consultancy sectors.

SEACOM focuses on various knowledge centered programmes for the betterment of students. Interactive seminars on emerging technologies and personality development programmes are arranged. The Engineering Department of the University has tie-up with various reputed organization to provide better placement to the students. The University campus is considered as one of the best campuses in West Bengal. A reservoir of dynamic, experienced and dedicated faculties are always ready to devote their fullest effort for the betterment of the students.

4.7.3.2.1 Courses under the Department of Computer Science and Engineering:

SL. NO.	LEVEL	COURSE NAME	DURATION	INTAKE CAPACITY
1	UG	INT. B.TECH.	6-Years	60
2	UG	B.TECH.	4-Years	60
3	PG	M.TECH.	2-Years	30

4.7.3.2.2 Faculty details of Computer Science and Engineering

Sl. No.	Name	Designation	Highest Qualification	Year of Joining	Involvement with Dept. and other Dept.
1.	Ms. Sanjukta Chakraborty	Assistant Professor	M.Tech. (CSE)	2014	HoD, Taking classes of different courses of both Departments OF CSE and Computer Applications and other

					Departments like Physics, Pharmacy, Bio-Sciences, Commerce & Management, English, Social Work, Mechanical Engg., Civil Engg., Electrical Engg.
2.	Mr. Abhijit Sarkar	Assistant Professor	M.E. (CSE)	2019	Taking classes of different courses of both Departments OF CSE and Computer Applications and other Departments like Agriculture, Pharmacy, Electrical Engg, Working as a core Exam Team Member for conducting Semester Examinations.

4.7.3.3. Activities of the Department (Other than Teaching):

- i. Different Webinars related to subjects of Computer Science, Research Methodology and SPSS were attended by the Faculties of the Department on online mode.
- ii. A curriculum designed to strike the right balance between theory and practice, enhancing knowledge and skills while also encouraging experimentation;
- iii. The opportunity to understand how business is carried out across borders, in a global marketplace;

- iv. Discussion and debate in an academic environment, where professors and students encourage each other to uncover new ideas and find creative solutions to challenging problems;
- v. Experiential learning integrated into each module of the program, with an emphasis on bridging the gap between theory and practice;
- vi. Equips students with the skills and knowledge required to start and sustain their own business;
- vii. Enables students to practice such activities as researching markets for new products/ service ideas, producing a business plan with projected financial statements;
- viii. Exposure to get familiar with the characteristics and motivation of successful entrepreneurs and interact with them in a live situation.
- ix. Participating in the different Cultural activities with the students of the whole University.
- x. Participating in the different activities of the E-Cell with the students of the University.

xi. Departmental Contribution to Controller of Examinations Department

Sl. No.	Name of the Faculty	Contribution to Controller of Examinations Department
1	Ms. Sanjukta Chakraborty	➤ Paper Setting ➤ Evaluation of Scripts ➤ Proof Reading ➤ Moderation ➤ Re-evaluation of Scripts ➤ Tabulation ➤ Result Analysis of respective Subjects
2	Mr. Abhijit Sarkar	➤ Paper Setting ➤ Evaluation of Scripts ➤ Moderation ➤ Re-evaluation of Scripts ➤ Tabulation ➤ Result Analysis of respective Subjects ➤ Participating as a Exam Team Member to conduct the Examinations of whole University

4.7.3.4. RESPONSIBILITIES IN DEPARTMENT

Sl. No	Assistant Professor	Responsibilities
1	Ms. Sanjukta Chakraborty - HoD, CSE	➤ Subject allotment ➤ Preparation of Time table, Annual planner, Monthly Planners. ➤ Time-table Monitoring ➤ Scrutiny of Academic Record, Attendance Registers and Teaching Diary ➤ Staff Punctuality, Ethics, Permissions, & Work status report ➤ Syllabus preparation & Compilation ➤ Prepare & Monitor academic activities ➤ Design of Curriculum and Syllabi ➤ Organizing Seminars & workshops ➤ Conduct of Certificate courses ➤ Project / Internship for UG ➤ Co-Coordinator of Computer Club ➤ Additional duties related to the Department of Controller of Examinations ➤ Class In-charge
2	Mr. Abhijit Sarkar	➤ Syllabus preparation & Compilation ➤ Conducting Seminars & workshops ➤ Preparation of Reports ➤ Maintaining event register ➤ Project / Internship for UG ➤ Feedback system ➤ Class In-charge

4.7.3.5. Future Plan of the Department

- Do gain unique identity for the Department by conducting Seminars, Workshops Guest Lectures that enhances the scientific temperament in Students and Faculty
- To encourage and direct Faculty and students towards Paper Presentations, Minor Projects and PhD's.
- Encourage, motivated and guide students to pursue projects in the field of Computer Science.
- Organize Institution Industry Interaction programmes, and Industrial Visits.

4.7.3.6. FDP, Lecture, Seminar, Workshop, Webinar, Conference Details 2022-2023

1. Ms. Sanjukta Chakraborty & Mr. Abhijit Sarkar have participated in the webinar on "Application of Inverse Problem in Science and Engineering," organized by Seacom Skills University on 10th May, 2023.
2. Ms. Sanjukta Chakraborty & Mr. Abhijit Sarkar have participated in the E-Quiz on "Environment Day" organized by Christ College of Science and Management 8th June, 2023.

4.7.3.7. Results of the Department:

4.7.3.7.1 Results of the Department of Computer Science and Engineering in ODD Semester Examinations (2022-2023)

No. of students in the Department	% of Passed Students	Highest marks obtained by the student (CGPA)	% of Failed Students
93	100	9.20	0

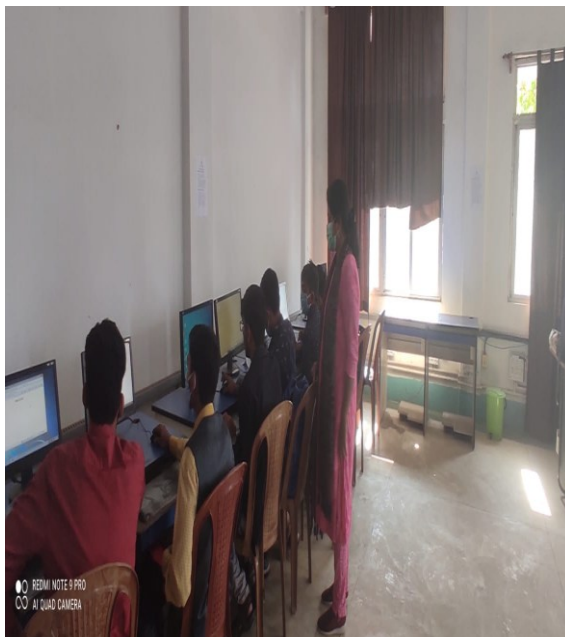
4.7.3.7.2 Results of the Department of Computer Science and Engineering in EVEN Semester Examinations (2022-2023)

No. of students in the Department	% of Passed Students	Highest marks obtained by the student (CGPA)	% of Failed Students
93	100	9.50	0

4.7.3.8. Photographs Of The Department



4.7.3.9. Photographs of different activities of the Department of Computer Applications:



4.7.4. Mechanical Engineering

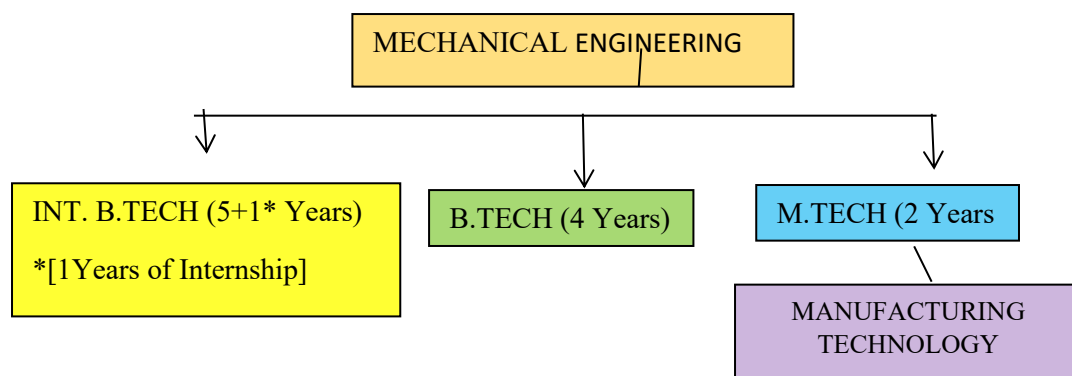
4.7.4.1. About the Department

The Department of Mechanical Engineering at SEACOM SKILLS UNIVERSITY has established itself as a hub of excellence, innovation, and high-quality education since its inception. It is recognized not only for academic rigor but also for shaping students into well-rounded professionals through a rich blend of curricular and co-curricular engagements.

Our commitment to holistic development is demonstrated through a variety of dynamic initiatives, including:

- Active engagement with the Board of Studies
- Peer-driven collaborative learning
- Industry-relevant value-added programs
- Experiential, hands-on learning modules
- Foundation-strengthening bridge courses
- Inspiring seminars and expert guest lectures
- Competitive programming and technical contests
- Continuous faculty development programs
- Focused tutorial sessions

4.7.4.2. Courses Present in SSU under Department of Mechanical Engineering



4.7.4.3. Intake Capacity of the courses

Programme	Courses	No of Students Strength
UG	B.Tech	60
	Int. B. Tech	60
PG	M.Tech	30

Sl. No.	Name	Department	Highest Qualification	Designation	Year of Joining	Other Roles and Function
1	Dr. Pranab Kanti Roy	Mechanical Engineering	Ph.D.	Assistant Professor	2021	Working as Principal, School of Engineering, Nodal Officer for NAD in SSU
2.	Mr. Krishna Gopal Addya	Mechanical Engineering	M.Tech.	Assistant Professor	2016	SPOC SWAYAM-NPTEL and HOD of Mechanical Engineering
3.	Mr. Shantanu Halder	Mechanical Engineering	M.Tech.	Assistant Professor	2015	Scholarship section and students credit card section
4.	Mr. Pulak Haldar	Mechanical Engineering	B.Tech.	Technical Assistant	2022	Assists in Lab Setup and Manual preparation

4.7.4.4. LIST OF PAPER PUBLICATIONS

S. No.	Name of Author	Title	Name of Journal	Name of Publisher	Year of Publication	Volume No./Page No.	DOI No.
1	Pranab Kanti Roy, Bipataran Raj Hiranmoy Mondal	Modified decomposition solution of convex fins of different profile index with all power	<i>Forces in Mechanics</i>	Elsevier	December 2022	<u>Volume 9</u>	https://doi.org/10.1016/j.finmec.2022.100120

		law depend ent thermal properti es					
2	Pran ab Kant i Roy	A decomp osition solution of variable thickne ss absorbe r plate solar collecto rs with power law depend ent thermal conduct ivity	Journal of Therm al Scienc e and Engine ering Applic ations, 2022	ASM E	2022	14 (8), 084501	https://doi.org/10.1115/1.4053118
3	Pran ab Kant i Roy and Joy Praka sh Das	A modifie d decomp osition method for the analysis of porous triangul ar fin with a power expone nt of thermal properti es and magneti c effect	<i>Journ al of Engin eering and Applie d Scienc e</i>	Sprin ger Berli n Heide lberg	2023	Volume 7 0, article nu mber 110	https://doi.org/10.1186/s44147-023-00287-5

4.7.4.5. CELEBRATION & EVENTS CONDUCTED

Successfully conducted our very own Engineers Day on 15th September, 2022.



4.7.4.6. INITIATIVE FOR STUDENT DEVELOPMENT

4.7.4.6.1 Life Skills Training Program

The life skills training program was conducted to facilitate the students for their career growth and boost them up with the new tactics to face the different situations as and after.

Venue : SSU Campus

4.7.4.6.2 Entrepreneurship Talk Series

The talk series was conducted to facilitate the students for their career growth and motivation to interact and have a better means of communication.

Venue : SSU Campus

4.7.4.6.3 Expert Talk On Mindset And Motivation

The expert talk was conducted to facilitate the students for their career growth and focus on the mindset challenges and its suitable outcomes.

Mode : Google meet

4.7.4.6.4 Hands On Training On Time Management

The hands-on training as arranged was for the students to learn on how effectively they can utilize the time with different activities beyond schedule also in day to day life.

Mode : Zoom

4.7.4.7. Induction Program for Students as per AICTE

 SEACOM SKILLS UNIVERSITY SCHOOL OF ENGINEERING			
Induction Schedule for the Session:2022-23			
Date	Time	Topic	Speaker/Conducted by
14.09.2022	12:30 P.M-1:30 P.M	Generalized Induction	Higher Officials
16.09.2022	12:00 Noon-01:00 P.M	Engineering application and career counselling	Mr. Indranil Bardhan
	2:00 P.M - 3:00 P.M	Non-conventional engineering and its resources and its application	Dr. Pranab Kanti Roy
19.09.2022	12:00 Noon-01:00 P.M	Women protection and Anti-Ragging	Ms. Sanjukta Chakraborty
	2:00 P.M - 3:00 P.M	Aptitude Skills	Mr. Abhijeet Sarikar and Mr. S.K Alam
20.09.2022	12:00 Noon-01:00 P.M	MOOC's :An Online Education System	Mr. Krishna Gopal Addya
	2:00 P.M - 3:00 P.M	Modern Examination Pattern and Marking System	Mr. Manoj Dey
21.09.2022	12:00 Noon-02:00 P.M	Grooming and personality development	Ms. Sanjukta Chakraborty and Mr. Krishna Gopal Addya

NOTE: Normal classes will be commencing from 22.09.2022 (Thursday) as per schedule given by the respective departments of Engineering and Allied stream.

Date: 12/09/2022

Prepared by: Pulak Halder

Principal
School Of Engineering

STUDENTS ACTIVITY



The students of the Mechanical Engineering Department actively participated in a wide range of laboratory experiments and practical activities in the mechanical workshop, playing a vital role in the successful execution of their assigned projects. These projects were personally inspected and reviewed by the Head of the Department, Mr. Krishna Gopal Addya, and the Principal, Dr. Pranab Kanti Roy, underscoring the importance and quality of the students' work.

4.7.4.8. VARIOUS LABORATORY UTILIZED BY STUDENTS

NAME OF THE LAB	
Language Laboratory	Fluid Mechanics and Machineries Laboratories
Fitting Shop	Thermal lab and Heat Transfer Lab
Welding Shop	Drawing Lab & Design Lab (In Association with the CSE Department)
Machine Shop	Theory of Machine and Mechanism Lab
Strength of Material Laboratory	IC Engine & Gas Turbine Lab
Engineering Metrology Lab	

❖ MAJOR EQUIPMENT AND FACILITIES



4.7.5. Department of Computer Applications

4.7.5.1. About the Department:

The Department of Computer Applications under School of Computer Applications has a thriving research environment with active research groups in the areas of Algorithms, Artificial Intelligence, Programming, MIS, Bioinformatics, Complex and Social Networks, Machine Learning, Data and Web Mining etc. Graduates from the department at all levels secure excellent placements.

The Department is renowned for cutting edge state of the art and quality education since its inception. The Department is also known for facilitating the quality education to the highest and conducting various curricular and extra-curricular activities to make students excel in every field of study, through

- Value added courses
- Experiential Learning
- Bridge courses
- Seminars and Guest Lectures
- Programming contest
- Faculty development programmes
- Tutorials
- Consultancy services
- Problem Solving Skills

Year of Establishment of the Department: 2017

Teaching Mode & Methodology

The academic curriculum and pedagogy at Seacom Skills University is designed to challenge students and provide them with a robust foundation to build exciting careers. It features:

- ✓ Teaching Mode: Offline Classes
- ✓ A curriculum designed to strike the right balance between theory and practice, enhancing knowledge and skills while also encouraging experimentation;
- ✓ The opportunity to understand how business is carried out across borders, in a global marketplace;
- ✓ Discussion and debate in an academic environment, where professors and students encourage each other to uncover new ideas and find creative solutions to challenging problems;
- ✓ Experiential learning integrated into each module of the program, with an emphasis on bridging the gap between theory and practice;

4.7.5.2. Course Overview:

Technology today is an integral part of living. From scientific research practices that run the world to our day to day living, all revolves around technology. A comprehensive course is offered by us at SEACOM in various disciplines and we aim at imparting research driven knowledge to our students. Today, technology is growing at a rapid pace. In the coming future there is bound to be huge demand for competent engineers in various industry to cope this demand in technology. The program aims at creating high-quality professionals-

- (1) who would be equipped with knowledge that could steer numerous industries in future,
- (2) who would be instrumental in developing cutting-edge technology for top notch enterprises, and
- (3) who could lead developmental/cultural Universities and relevant policy bodies in governmental and international consultancy sectors.

SEACOM focuses on various knowledge centered programmes for the betterment of students. Interactive seminars on emerging technologies and personality development programmes are arranged. The Engineering Department of the University has tie-up with various reputed organization to provide better placement to the students. The University campus is considered as one of the best campuses in West Bengal. A reservoir of dynamic, experienced and dedicated faculties are always ready to devote their fullest effort for the betterment of the students.

4.7.5.3. Courses under the Department of Computer Applications:

SL. NO.	LEVEL	COURSE NAME	DURATION	INTAKE CAPACITY
1	UG	BCA	3-Years	30
2	PG	MCA	2-Years	30

4.7.5.4. Faculty details of Computer Applications

Sl. No.	Name	Designation	Highest Qualification	Year of Joining	Involvement with and other Dept.
1.	Ms. Sanjukta Chakraborty	Assistant Professor	M.Tech. (CSE)	2014	HoD, Taking classes of different courses of both Departments and other Departments like Physics,

					Pharmacy, Bio-Sciences, Commerce & Management, English, Social Work, Mechanical Engg., Civil Engg., Electrical Engg.
2.	Mr. Abhijit Sarkar	Assistant Professor	M.E. (CSE)	2019	Taking classes of different courses of both Departments and other Departments like Agriculture, Pharmacy, Electrical Engg, Working as a core Exam Team Member for conducting Semester Examinations.

1. **Framing of Syllabus:** Syllabi of BCA and MCA have been framed by the Department of Computer Applications in the Year 2017.
2. **Revision of Syllabus:** Revised Syllabus of BCA (CBCS SYSTEM) has been framed by the Department of Computer Applications in the Year 2018 and that of MCA in the year 2020.
3. **Activities of the Department (Other than Teaching):**

- i. Different Webinars related to subjects of Computer Science, Research Methodology and SPSS were attended by the Faculties of the Department on online mode.
- ii. A curriculum designed to strike the right balance between theory and practice, enhancing knowledge and skills while also encouraging experimentation;
- iii. The opportunity to understand how business is carried out across borders, in a global marketplace;
- iv. Discussion and debate in an academic environment, where professors and students encourage each other to uncover new ideas and find creative solutions to challenging problems;
- v. Experiential learning integrated into each module of the program, with an emphasis on bridging the gap between theory and practice;
- vi. Equips students with the skills and knowledge required to start and sustain their own business;
- vii. Enables students to practice such activities as researching markets for new products/ service ideas, producing a business plan with projected financial statements;
- viii. Exposure to get familiar with the characteristics and motivation of successful entrepreneurs and interact with them in a live situation.
- ix. Participating in the different Cultural activities with the students of the whole University.
- x. Participating in the different activities of the E-Cell with the students of the University.

4.7.5.5. Departmental Contribution to Controller of Examinations Department

Sl. No.	Name of the Faculty	Contribution to Controller of Examinations Department
1	Ms. Sanjukta Chakraborty	➤ Paper Setting ➤ Evaluation of Scripts ➤ Proof Reading ➤ Moderation ➤ Re-evaluation of Scripts ➤ Tabulation ➤ Result Analysis of respective Subjects

2	Mr. Abhijit Sarkar	➤ Paper Setting ➤ Evaluation of Scripts ➤ Moderation ➤ Re-evaluation of Scripts ➤ Tabulation ➤ Result Analysis of respective Subjects ➤ Participating as a Exam Team Member to conduct the Examinations of whole University
---	--------------------	---

4.7.5.6. Responsibilities in Department

Sl. No	Assistant Professor	Responsibilities
1	Ms. Sanjukta Chakraborty - DIC, CSE	➤ Subject allotment ➤ Preparation of Time table, Annual planner, Monthly Planners. ➤ Time-table Monitoring ➤ Scrutiny of Academic Record, Attendance Registers and Teaching Diary ➤ Staff Punctuality, Ethics, Permissions, & Work status report ➤ Syllabus preparation & Compilation ➤ Prepare & Monitor academic activities ➤ Design of Curriculum and Syllabi ➤ Organizing Seminars & workshops ➤ Conduct of Certificate courses ➤ Project / Internship for UG ➤ Co-Coordinator of Computer Club ➤ Additional duties related to the Department of Controller of Examinations ➤ Class In-charge
2	Mr. Abhijit Sarkar	➤ Syllabus preparation & Compilation ➤ Conducting Seminars & workshops ➤ Preparation of Reports ➤ Maintaining event register ➤ Project / Internship for UG ➤ Feedback system ➤ Class In-charge

4.7.5.7. Innovative teaching learning practices

- Lecture method
- Hands on experience
- Project Method
- Peer-to- peer Learning
- Student Seminars
- Assignments
- Problem Solving Skills
- Experiential learning
- Collaborative Learning
- Audio-Visual presentations through LCD

4.7.5.8. Best Practices/ SWOT Analysis of the department

4.7.6. Best Practices of the Department

4.7.6.1. Curriculum

- Practical orientation
- Electives
- Internship /Project
- Certificate Courses
- Inter disciplinary Course

4.7.6.2. Teaching Learning Process

- Orientation Programme
- Catering to diverse learning needs
- Bridge Course
- Tutorials
- Remedial Classes

4.7.6.3. Teaching Methodologies

- Lecture method
- Hands on experience
- Project Method
- Student Seminars
- Assignments
- Experiential learning
- Audio-Visual presentations through LCD

4.7.6.4. Co-curricular Activities

- Club Activities
- Field visits
- Workshops/Guest lectures

4.7.6.5. SWOT Analysis of the Department

4.7.6.5.1 Strengths

- ✓ Regularly organizing guest lectures and student's seminars
- ✓ Conducts computer awareness programmes for staff
- ✓ Caters to needs of all courses
- ✓ Maintains the IT infrastructure of the College
- ✓ Potential to develop programme for structured student feedback questionnaire and analysis.

4.7.6.5.2 Weaknesses

- ✓ Below average students
- ✓ Research activities
- ✓ Industry interaction
- ✓ Live projects
- ✓ Recruiting and retaining quality teachers.

4.7.6.5.3 Opportunities

- ✓ To enhance hands on experience
- ✓ Exposure of students to more career opportunities and entrepreneurship
- ✓ Optimal utilization of infrastructure
- ✓ Identifying New Courses

4.7.6.5.4 Challenges

- ✓ To increase the intake capacity for courses like B.Tech., M.Tech., etc.
- ✓ To find skilled hardware technicians

4.7.6.6. Future Plans of the Department

- Do gain unique identity for the Department by conducting Seminars, Workshops Guest Lectures that enhances the scientific temperament in Students and Faculty
- To encourage and direct Faculty and students towards Paper Presentations, Minor Projects and PhD's.
- Encourage, motivated and guide students to pursue projects in the field of Computer Science.
- Organize Institution Industry Interaction programmes, and Industrial Visits.

4.7.6.7. Involvement with other University activities:

The Faculties of the Department have taken active participation in Games & Sports, Cultural Programmes, Blood Donation Camps, RITMO FEST 2022.

4.7.6.8. Educational Tour organized:

No Educational Tour has been organized during 2022-2023.

4.7.6.9. Examination Matter:

- A. **Internal Assessment:** It has been conducted by the allocated faculties of the Department.
- B. **Practical Examination:** It has been conducted by the allocated faculties of the Department.
- C. **Question prepared by Teacher (for A and B points):** Question papers have been prepared by the allotted faculties of the Department.
- D. **Final Examination Conducted:** By COE Dept. with the assistance of the Faculties of the Department of Computer Science and Engineering through Online Mode.
- E. **Tabulation made by:** Head of the Department (Ms. Sanjukta Chakraborty) and Faculty Member (Mr. Abhijit Sarkar).
- F. **Review works if made any:** Not required.
- G. **Any other suggestions which was informed to COE Dept. for the betterment/Conduction of the Examinations:** Conduction of Semester Examinations through advanced techniques using Online Platform.

4.7.6.10. Student Results

Results of the ODD Semester Examinations (2022-2023)

No. of students in the Department	% of Passed Students	Highest marks obtained by the student (CGPA)	% of Failed Students
52	100	9.4	0

Results of the EVEN Semester Examinations (2021-2022)

No. of students in the Department	% of Passed Students	Highest marks obtained by the student (CGPA)	% of Failed Students
52	100	9.0	0

4.7.6.11. FDP, Lecture, Seminar, Workshop, Webinar, Conference Details

2022-2023

1. Ms. Sanjukta Chakraborty & Mr. Abhijit Sarkar have participated in the webinar on "Application of Inverse Problem in Science and Engineering," organized by Seacom Skills University on 10th May, 2023.
2. Ms. Sanjukta Chakraborty & Mr. Abhijit Sarkar have participated in the E-Quiz on "Environment Day" organized by Christ College of Science and Management 8th June, 2023.

4.8. School of Paramedical and Allied Health Sciences

4.8.1. About the School / Department (including schools / departmental infrastructures):

The Department of Medical Laboratory Technology at our university is a newly established department that commenced its journey in 2021. Our primary objective is to provide students with comprehensive training, equipping them with bachelor's and diploma degrees in Medical Laboratory Technology (MLT). We also introduced a vocational course in 2022.

Medical Laboratory Technology is a vital branch of science that focuses on the diagnosis, treatment, and prevention of diseases through clinical pathological tests. These tests encompass blood tests, urine tests, stool tests, and tissue tests. Medical Laboratory Technicians (MLTs) play a crucial role in performing these tests, analyzing samples, and identifying abnormalities that may indicate disease. The test results provided by MLTs are essential for doctors to interpret and diagnose diseases accurately.

Our department is committed to training students in the procedures of various pathological tests. We have established partnerships with renowned medical institutions and hospitals, including Rampurhat Medical College and Hospital, Burdwan Medical College and Hospital, and District Hospital Alipurduar, among others. These collaborations enable our students to gain practical experience and develop their skills through training and internships.

Upon completing their studies, our graduates will be well-equipped to work in reputable pathological laboratories and hospitals. They will also have the opportunity to establish their own pathological laboratories and care centres, ultimately contributing to the betterment of humanity through their services.

4.8.2. Details of courses and course wise intake capacity:

There are three Departments running. From session August 2022 the running courses are

a. BMLT (Bachelor of Medical Laboratory Technology)

Intake capacity:

b. DMLT (Diploma in Medical Laboratory Technology)

c. B.Voc MLT (Vocational course of Medical Laboratory Technology)

Programme	Course	Intake Capacity
Under Graduate	Bachelor of Medical Laboratory [BMLT]	60
Diploma	Diploma in Medical Laboratory [DMLT]	30
Vocational Course	Vocational course of Medical Laboratory Technology [B.VOC]	30

4.8.3. Eligibility criteria of the Courses:

4.8.3.1. BMLT – Bachelor of Medical Laboratory Technology

Eligibility Criteria:

- ✓ (10+2) with Science background
- ✓ Pass marks in Biology, Physics and Chemistry
- ✓ Course Duration: - 3 years Class room course and 6 months Internship in reputed Hospital and organizations.

4.8.3.2. DMLT – Diploma In Medical Laboratory Technology

Eligibility Criteria:

- ✓ (10+2) with Science background
- ✓ Pass marks in Biology, Physics and Chemistry
- Course Duration: - 2 years Class room course and 6 months Internship in reputed Hospital and organizations.

4.8.3.3. B.VOC – Vocational course of Medical Laboratory Technology

Eligibility Criteria:

- ✓ (10+2) with any background of Science or Arts

Pass marks in all subjects in Science or Arts

Course Duration: - 3 years

4.8.4. Faculty and Staff details (Name, Designation, Faculty / Staff present :

Sl. No.	Name	Department	Highest Qualification	Designation	Year of joining	Involvement with Dept. and other Works
1	Mrs. Urmimala Ganguly	Medical Laboratory Technology	M.Sc	Assistant Professor	2021	HOD of the Department and DPC for the Dept.
2.	Ms. Tahsina Tabia	Medical Laboratory Technology	M.Sc	Assistant Professor	2021	Exam and Program Coordinator for the department

4.8.5. Paper publication by faculty under SSU:

No paper published.

4.8.6. Any Book published by faculties:

No book published.

4.8.7. School / Department Details:

FDP	Tahsina Tabia Swayam - NPTEL 2022 Topic- Basics of Health Promotion and Education Intervention Swayam - NPTEL 2023 Topic- Electrocardiogram- Interpretation and Application in Clinical Practice
LECTURES	Nil
SEMINAR	Nil
WEBINAR	Department Of MLT A Webinar On “Laboratory Techniques In Immunology” Organized By - Department of Medical Laboratory Technology Keynote Speaker - Dr. Koushik Bharati UNESCO, New Delhi Urmimala Ganguly {Faculty} 1.National Intellectual Property Awareness Mission Organized by - Intellectual Property Office and MoE’s Innovation Cell, India 2.Genomic Diversity of Gemini Viruses Organized by - School of Life Science, SSU 3. Programme Coordinator of - A Webinar On “Laboratory Techniques In Immunology” Organized By - Department of Medical Laboratory Technology Tahsina Tabia {Faculty} National Intellectual Property Awareness Mission Organized by - Intellectual Property Office and MoE’s Innovation Cell, India Modeling and Identification of Physiological System Organized by - NIT, Jalandhar, Punjab Genomic Diversity of Gemini Viruses Organized by - School of Life Science, SSU Application of Inverse Problem in Science and Engineering Organized by - Department of ME, SSU Programme Coordinator of - A Webinar On “Laboratory Techniques In Immunology” Organized By - Department of Medical Laboratory Technology
WORKSHOP	Urmimala Ganguly {Faculty} Workshop on Designing Competitive Grant Proposal Organized by - Department of Zoology, The University of Burdwan with NSERB India

	Tahsina Tabia {Faculty} Workshop on Designing Competitive Grant Proposal Organized by - Department of Zoology, The University of Burdwan with NSERB India
CONFERENCE	Tahsina Tabia {Faculty} International Conference on Research and Technological Advancement in Health Sciences and Sustainable Development Organized by – Physiological Society of India & DRDO, Govt. of India
CELEBRATIONS & EVENTS CONDUCTED IN THE PARTICULAR SCHOOL	Nil
AWARDS AND ACHEIVEMENTS	Nil
INITIATIVE FOR STUDENTS DEVELOPMENT	Trama Paul {Student} Swayam - NPTEL 2022 Topic- Electrocardiogram- Interpretation and Application in Clinical Practice Jakir Hassan Mondal {Student} Swayam - NPTEL 2023 Topic- Electrocardiogram- Interpretation and Application in Clinical Practice Minhaj Ali {Student} Swayam - NPTEL 2023 Topic- Electrocardiogram- Interpretation and Application in Clinical Practice
ORIENTATION AND INDUCTION PROGRAMME FOR STUDENTS	Induction Programme Brief Idea About Medical Laboratory Technology AndIts Scope Syllabus,Marks Division, Exam System Grooming And Personality Development Importance Of Online Courses (Swayam) CSDC

4.8.8. Students Details (Total Number – UG, DIPLOMA & VOCATIONAL):

4.8.8.1. Students Present in the Department

Programme	Course	Present students number
Under Graduate	Bachelor Of Medical Laboratory [BMLT]	56
Diploma	Diploma In Medical Laboratory [DMLT]	15
Vocational Course	Vocational course of Medical Laboratory Technology	7

4.8.9. Other details, if any, which are important for the preparation of Annual Report:

- Students are pursuing their hospital training in
- Rampurhat Govt. Medical College and Hospital
- Santiniketan Medical Center Multispeciality Hospital
- Tamralipto Govt. Medical College and Hospital
- Suri Super Speciality Hospital

4.9. School of Commerce and Management Studies

Sl. No.	Description	2022-23 (Aug,2022 -July,2023)
1	About the School / Department (including schools / departmental infrastructures)	M.Com, B.Com, MBA (HR, FINANCE, RDM, MARKETING, OPERATION), BBA, BHM (Hotel Management)
2	Details of courses and course wise intake capacity	M.Com- (2 Years, Intake Capacity 60 nos), B.Com- (3 Years, Intake Capacity 60 nos), MBA- (2 Years, Intake Capacity 60 nos per section), BBA – (2 Years, Intake Capacity 60 nos), BHM- (3 Years, Intake Capacity 30 nos)
3	Faculty and Staff details (Name, Designation, Faculty / Staff present)	Debanjan Gupta (HOD), Dr. Ganesh Chattopadhyay, Guest Faculty (Oct 2022 to Dec 2022)
4	Paper publication by faculty under SSU	N/A
5	Any Book published by faculties	N/A
6	School / Department details:	
	i FDP, Lecture, Seminar, Workshop, Webinar, Conference (Mention the above with following aspect – Conducted / Attended / Delivered)	FDP: 2, Seminar: 5, Lecture: 10, Workshop: 1, Webinar: 5, Conference: 1
	ii Celebration & Events conducted in the particular School / Department	0
	iii Awards & Achievements (of Faculty & Students)	0
	iv Any initiative for student development	One day workshop on Campus to Corporate
	v Orientation and Induction program for students	Yes
7	Students Details (Total Number – UG & PG)	UG: 21 PG: 23
8	Other details, if any, which are important for the preparation of Annual Report	N/A

4.10. School of Legal Studies

The School of Legal Studies at Seacom Skills University, located in Bolpur, West Bengal, is a prominent institution for legal education in the region. Approved by the Bar Council of India (BCI), the school offers a range of law programs designed to equip students with comprehensive legal knowledge and practical skills.

4.10.1. Courses and course wise intake capacity:

- **Bachelor of Laws (LL.B.):** A three-year program focusing on foundational legal principles and practices. In this course, the total intake capacity is 60 students.
- **Integrated Bachelor of Arts and Bachelor of Laws {B.A. LL. B (H)}:** A five-year course combining humanities studies with legal education. In this course, the total intake capacity is 60 students.
- **Master of Laws (LL.M.) in Corporate and Commercial Law and Criminal Law:** A two-year postgraduate program specializing in corporate and commercial legal frameworks. In this course, the total intake capacity is 30 students.

4.10.2. Faculty and staff:

1. Dr. Kishwar Parween- Principal of School of Legal Studies- mail id: sols.seacom@gmail.com
2. Dr. Amitra Sudan Chakraborty (Professor)- mail id- phdonhrd@gmail.com
3. Dr. Tanushree Bhattacharjee- faculty of the school of legal studies- mail id: bhattacharjeetanushree21@gmail.com
4. Sweta Ghosh (Asst. Prof.)- mail id.-swetaghosh929@gmail.com
5. Shibayan Chattopadhyay- faculty of the school of legal studies- mail id: shivayan.ssu@gmail.com
6. Chandrani Bhattacharyya (Asst. Prof.)- mail id.-bhattacharyyachandrani66@gmail.com
7. Amarjit Karmakar (Asst. Prof.)- mail id- amarjitkarmakarofficial@gmail.com
8. Srijan Bairagya- faculty of the school of legal studies- mail id:bairagyasrijan@gmail.com
9. Deblina Biswas - faculty of the school of legal studies- mail id: dbiswas1796@gmail.com
10. Astika Hazra (Asst. Prof.)- mail id.-astika.hazra@gmail.com
11. Bapan Ghosh (Asst. Prof.)- mail id- bapanghosh176@gmail.com
12. Richa Khanna (Asst. Prof.) – mail id.-richakhanna315@gmail.com

4.10.3. School details:

1. Shibayan Chattopadhyay had participated in UGC sponsored Workshop on National Education Policy 2020 on 7th september, 2022 organized by The University Of Burdwan .



2. Shibayan Chattopadhyay had participated in UGC sponsored Workshop on National Education Policy 2020: structure and implementation on 28th February, 2023 organized by Guru Nanak Dev University , Amritsar.



3. Shibayan Chattopadhyay had participated in IP awareness and training program under National Intellectual Property Awareness Program on 19th March , 2022 organized by Intellectual Property Office, India.



4.10.4. Celebration and Events Conducted:

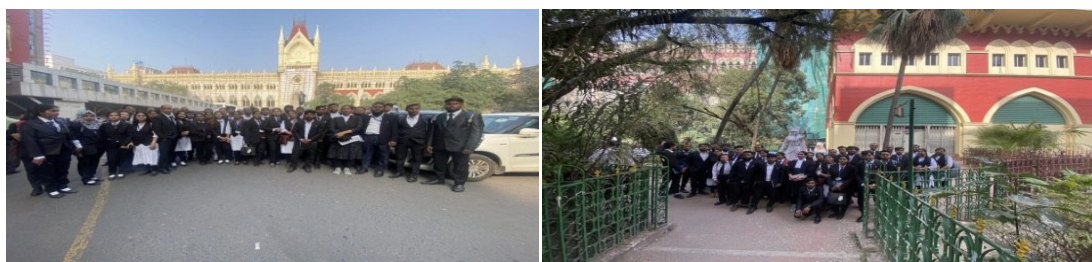
Our school, in collaboration with the District Legal Services Authority, Suri, Birbhum, organized a Free Legal Aid and Legal Awareness Camp on 27th June 2023 at Shdbhab Mandap (Agnikanya Bhavan). The event was a great success, with active participation from many

villagers who benefited significantly from the legal assistance and guidance provided during the camp.



4.10.5. Initiative for Student Development:

This year, our school organized an educational visit for all final-year B.A. LL.B(H) and LL.B. students to several prominent places, including the High Court, West Bengal Legislative Assembly (Bidhan Sabha), National Green Tribunal Eastern Zone Kolkata.



4.10.6. Conclusion

The academic year 2022–23 has been a productive and inspiring period for the School of Legal Studies at Seacom Skills University. Through a combination of academic rigor, research initiatives, and community outreach, the School has continued to uphold its commitment to quality legal education and social responsibility.

We sincerely thank the University administration, faculty members, students, alumni, and stakeholders for their continued support and collaboration. As we look forward to the upcoming academic year, the School reaffirms its commitment to academic excellence, innovation, and service to society through legal education.

4.11. School of Humanities:

4.11.1. Department of Economics

4.11.1.1. Overview of the Department of Economics:

Department of Economics has been commenced in the Academic year of 2021-2022 under the School of Humanities and School of Science. Later on the School name has been changed to School of Arts and Humanities. The faculties of department take classes of other departments/schools like School of Engineering, School of Commerce and Management etc.along with their departmental works.

Name of the Department	Under the School of	Department was Initiated (Academic Year)
Department of Economics	School of Humanities	2021-2022
Department of Economics	School of Science	2021-2022

4.11.1.2. Details of Courses

Details of Course	Under the School of	Departmental Structure	Student Capacity
B.A	School of Humanities	Under CBCS (Choice Based Credit System)	60
MA	School of Humanities	Under CBS (Choice Based System)	30
B.Sc.	School of Science	Under CBCS (Choice Based Credit System)	60
M.Sc.	School of Science	Under CBS (Choice Based System)	30

4.11.1.3. Course Duration

Details of Course	Duration
B.A./ B.Sc.	3 Years
M.A./ M.Sc.	2 Years

4.11.1.4. Faculty Details of the Department:

Name	Designation	Departmental	Name of Department	School	Highest Qualification
Mrs. Ludmila Ghosh	Assistant Professor	Departmental	Economics	Science/ Humanities	M.Phil. in Economics (Jadavpur University)

4.11.1.5. Faculty and Staff Details:

Name	Designation	Departmental/Non-Departmental	Name of Department	Phone No.
Mrs. Ludmila Ghosh	Assistant Professor & HOD	Departmental	Economics	+91-9007853552
Dr. Pranabash Ghosh	Assistant Professor & Academic Coordinator	Non-Departmental	-	+91-9339522104
Ms. Baishali Adhya	Part- Time Lecturer	Non-Departmental	Mathematics	+91-8900664244
Ms. Sanjukta Chakraborty	Assistant Professor	Non-Departmental	Computer Science and Engineering	+91-7001894684

4.11.1.6. Administrative Work Done by the Faculties of Department of Economics:

Sl. No.	Details
1.	Mrs. Ludmila Ghosh is Working as a Head of the Department of Department of Economics, Seacom Skills University.
2.	Mrs. Ludmila Ghosh is Working as a Member of Examination of Controller of Examination, Seacom Skills University.
3.	Mrs. Ludmila Ghosh is Working as a Member of Anti- Ragging Committee of Seacom Skills University.

4.	Mrs. Ludmila Ghosh prepared and monitored the Post Graduation Syllabus of All Arts and Humanities Department of Sacom Skills University
5.	Mrs. Ludmila Ghosh is Working as an Invitee Member of Publication Board of Seacom Skill University

4.11.1.7. Students Details

Name of the Student	Course	Year of Registration
Mamin Hossain	M.A. in Economics	2022-2023
Sanjoy Das	M.A. in Economics	2022-2023

4.11.1.8. Student's Personal Details:

Name of the Student	Religion	Cate gory	Male/Female	Mobile No.
Mamin Hossain	Muslim	Gene ral	Male	+91-9383059295
Sanjoy Das	Hindu	SC	Male	+91-9366138513

4.11.1.9. Initiative for Student Development:

- Regular updates about Job related information is provided to the Students in coordination with CSDC Cell SSU
- To help the Students in their Job and Career related matters Mrs. Ludmila Ghosh , Assistant Professor of Department of Economics has been selected as the Departmental Placement Coordinator.
- One of the Students (named Mamin Hossain, currently in 4th semester of M.A. in Economics) has been selected as the Student Placement Coordinator for Training and Placement Cell of Seacom Skills University.
- Department of Economics also encouraged students to enroll themselves in the NDLI Club, SWAYAM, J-gate etc.
- Department of Economics also trying to teach SPSS (Econometrics Software) to the Students of Economics.

- Department of Economics also trying build-up a good source of Book for the Students.

4.11.1.10. Departmental Details:

Programs	Prog. Details	Conducted	Attended	Delivered
FDP	7 Day National Level Online FDP on Outcome Based Education and Essential AI Tools for Teachers , organized by IQAC of Carmel College, Mala, Thrissur in association with Kerala State Higher Education Council (from 10 th August to 18 th August, 2023)	-	Yes	-
	One Week Online Faculty Development Programme (Jointly organized by AIU- Academic and Administrative Development Centre, Atal Bihari Vajpayee University, Bilaspur (C.G.) & Association of India Universities, New Delhi) on Data Driven Research with Advance Data Analysis Tools (from 20 th September to 26 th September, 2023)	-	Yes	-
	AICTE approved FDP course on Applied Statistics and Econometrics (23 rd	-	Completed	-

	January to 14 th April, 2023)			
	AICTE approved FDP course on Applied Econometrics (23 rd January to 14 th April, 2023)	-	Completed	-
	AICTE approved FDP course on An Introduction to Microeconomics (23 rd January to 14 th April, 2023)	-	Completed	-
	AICTE approved FDP course on Introduction to Environmental Economics (23 rd January to 14 th April, 2023)	-	Completed	-
	AICTE approved FDP course on Principles of Economics (24 th July to 13 th October, 2023)	-	Completed	-
	AICTE approved FDP course on Spatial Statistics and Spatial Econometrics (24 th July to 13 th October, 2023)	-	Completed	-
	AICTE approved FDP course on Economics of Banking and Finance Markets (24 th July to 13 th October, 2023)	-	Completed	-

Conference	2 nd International Conference on Entrepreneurship Development: Opportunities & Challenges (Blended Model) organized by Department of Lifelong Learning and Extension, Visva – Bharati, India & School of Business , Claflin University, USA on March 24 th to 25 th , 2023 . Venue: Department of Life Long Learning and Extension , Visva-Bharati, Sriniketan, West Bengal, India.	-	-	Represented Seacom Skills University as a Paper Presented. (Paper Title: Women Empowerment and Handicraft Industry: An Analytical Study in Birbhum, West Bengal)
Publication	Manuscript (IEJ-2023-0391) submitted to The Indian Economic Journal	Paper Title: Evaluation of Determinants of Health Status of Indian Women: Empirical and Theoretical Approaches		

4.11.1.11. Achievements of the Students of Department of Economics

Sl. No.	Details
1.	Sanjoy Das, one of the student of Third Semester (currently), MA in Economics is engaged with a NGO named DIGANTA (দিগন্ত), Udaipur, Tripura, India.
2.	Sanjoy Das, one of the student of Third Semester (currently), MA in Economics, recently received a Job offer Letter from a reputed School in Tripura, India.
3.	Mamin Hossain, one of the student of Third Semester (currently), MA in Economics, received Interview Call from E- Ashwa Industries Pvt. Ltd. Through a Campus Drive for the post of G.E.T.

4.11.1.12. Achievements of the Department of Economics

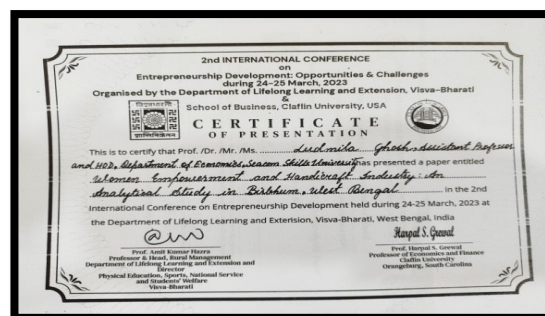
Sl. No.	Details
1.	Mrs. Ludmila Ghosh is Working as a Coordinator in Birbhum District Annual Plan 2022-2023, Department of Planning, Statistics and Programme Monitoring, Government of West Bengal.

Planning is a process to decide the physical targets to be achieved through the distribution of resources available within the state and to act accordingly. It involves stages like survey of available resources, identification of targets to be achieved and essential factors for the achievement of set targets. The process includes sector wise monitoring, evaluation, modification and readjustments for the development of the state. District plan is built up through consolidation and integration of plans of micro planning units like Zilla Parishad, Gram Panchayets, Panchayet Samitis, Municipalities and Sector Departments with the aim of facilitating the development of the district as a whole.

District Annual Plan, 2022-2023 of Birbhum has been accordingly prepared by Seacom Skills University (SSU) as an Outsourcing Institution in compilation of plans of all micro planning units of the District strictly as per the format specified by the Department of Planning, Statistics and Programme Monitoring, Government of West Bengal. Whereas plans of all 167 Gram Panchayets , 19 Panchayet Samitis of the District along with the plan of Birbhum Zilla Parishad have been taken into consideration for preparation of plan pertaining to Rural Local Bodies , plan of all Municipalities have been considered for the preparation of Urban Local Bodies plan. Great number of District Sector Departments of Birbhum distributed in different sectors of economy has prepared their plans and the same have been considered for preparation of District Sector Developmental Plans.

With the tremendous help of Ms. Sanjukta Chakraborty (Assistant Coordinator, Department of CSE, SSU), Dr. Saurav Ghosh (Assistant Coordinator, Assistant COE, SSU) and all the source offices e.g. Gram Panchayets, Panchayet Samitis, Birbhum Zilla Parishad and the District Sector Departments (special appreciation to Sri Hemanta Sarkar, Deputy Director, Bureau of Applied Economics and Statistics, BAES, Birbhum, Govt. of West Bengal) who have contributed their plans and have made preparation of the District Annual Plan Birbhum 2022-2023 possible. Now District Annual Plan Birbhum 2022-2023 is a published document.

For the second term onwards, Mrs. Ludmila Ghosh, Assistant Professor, Department of Economics, SSU, as a Coordinator (Seacom Skills University as an Outsourcing Institution) is working for District Annual Plan, 2022-2023 of Birbhum for compilation of plans of all micro planning units of the District strictly as per the format specified by the Department of Planning, Statistics and Programme Monitoring, Government of West Bengal.



DIGANTA (দিগন্ত), Udaipur, Tripura, India



Workshop on District Annual Plan Birbhum 2022-2023 (Govt. West Bengal)



Presentation of the Draft of District Annual Plan Birbhum 2022-2023 (Govt. West Bengal) on the 16th National Statistics Day



Presentation of the Draft of District Annual Plan Birbhum 2022-2023 (Govt. West Bengal) on the 16th National Statistics Day with Dr. L. N. Mondal (Honourable VC of SSU), Sri. Hemanta Sarkar(Deputy Director, BAES), Dr. Nirmalya Ghosh(Registrar, SSU), Dr. Dr. Asish Banerjee, Deputy Speaker, WBLA, Govt. of West Bengal, Dr. Pranab Kumar Chattopadhyay (Ex., Ex-Director, A.K.Dasgupta Centre for Planning and Development, Visva-Bharati and Ex-H.O.D, Department of Economics and Politics, Visva-Bharati), Ms. Sanjukta Chakraborty (Assistant Coordinator, Department of CSE, SSU), Dr. Saurav Ghosh (Assistant Coordinator, Assistant COE, SSU) and Mrs. Ludmila Ghosh (Coordinator)

4.11.2. Department of Political Sciences

4.11.2.1. Details of courses and course wise intake capacity: B.A and M.A (60 & 30)

Faculty and Staff Details				
Sl No.	Faculty Name	Designation	Email Id	Mobile No
(i)	Ramesh Bag	Assistant Professor & HOD	rameshdenur@gmail.com	8346915489
(ii)	Kamalendu Ghosh	Guest Faculty	Kamalendu24061090@gma il.com	8670781514

4.11.2.2. Paper Publication by faculty under Seacom Skills University: NA

4.11.2.3. Celebration & Events conducted in the particular School/ Department: Science day celebration

4.11.2.4. Any initiative for student development:

- (a) Content based lecture session
- (b) Doubt clearance and assignment Q/A clearance session
- (c) Awakening to participation in different events as organised by the University as well as other platform related to the Department.
- (d) Free slot to clear with the matters as faced by the students.

4.11.2.5. Student Details

Name of the courses	Number of students enrolled
UG	4
PG	2

4.11.3. Department of History

4.11.3.1. About the Department:

The History Department is an academic unit within our university dedicated to the study and teaching of history. This department offers various courses, including undergraduate and postgraduate programs, and often engages in research, publications, and public outreach activities related to historical scholarship. The Department plays a crucial role in training students to critically understand the past and its relevance to the present.

4.11.3.2. Activities & Events:

- ❖ Department use to organize fresher's welcome every year for the new comers to this department.
- ❖ Parent-teacher meeting has been organized on a regular basis throughout the academic session.
- ❖ Internal Assessment has been done timely following the academic calendar.

4.11.3.3. Brief overview

As per the annual academic plan, nearly all scheduled activities were successfully implemented. The syllabus was completed on time, with approximately 80% covered by the end of December. Odd semester examinations were conducted in January 2023, followed by even semester examinations in June 2023. To reinforce conceptual understanding, a series of revision tests were held in the weeks preceding the final term exams.

In line with the annual plan's vision, the teaching approach emphasized "learning by doing," reflected in the numerous debates, exhibitions, movie screenings, and educational visits organized throughout the year. Significant efforts were also made to support students in preparing for postgraduate programs and competitive examinations. Embracing the philosophy of "Each One, Teach One," third-year students were actively encouraged to mentor their peers in exam preparation.

4.11.3.4. Faculty details of History Department

Department of History				
Sl. No.	Name	Designation	Ph. No	E-mail
1.	Mrs. Abida Sultana	Asst. Professor	7908969776	histabida59@gmail.com

4.11.3.5. Programs:

- **U.G.: B.A. (History Honours) [3 years]**
- **P.G.: M.A. (History) [2 years]**

4.11.3.6. Teaching Modes:

The academic curriculum and pedagogical approach at Seacom Skills University are thoughtfully designed to challenge students while providing them with a strong foundation for a successful career. The department employs a range of instructional methods and methodologies to create an engaging and well-rounded learning experience, which includes:

4.11.3.6.1 Instructional Methods:

- **Traditional Lectures:** These serve as the cornerstone of instruction, offering students a comprehensive understanding of historical events, periods, and themes.
- **Interactive Sessions & Group Discussions:** These foster active participation and critical thinking, encouraging students to engage with and debate historical topics.
- **Student Presentations:** Students are encouraged to present their research, enhancing their ability to communicate complex ideas and hone their analytical skills.
- **Information & Communications Technology (ICT):** The department integrates modern technologies, such as digital archives, multimedia presentations, and online resources, to enrich the learning process.
- **Seminars and Guest Talks:** Regular seminars and guest lectures by renowned scholars expose students to diverse perspectives and cutting-edge research in the field of history.
- **Film/Documentary Screenings:** The use of historical films and documentaries adds a visual and immersive dimension to students' understanding of the past.
- **Field Trips:** Visits to museums, archives, and historical monuments provide students with firsthand encounters with artifacts and historical sites, enhancing their practical knowledge.

4.11.3.6.2 Methodological Approaches:

- **Historiographical Interventions:** Students are introduced to significant historiographical debates and methodologies, including Marxism and the Annales school, to explore different historical lenses and interpretations.
- **Methodological Intent:** A focus on understanding the research methodologies and arguments of prominent historians encourages students to critically analyze historical sources and narratives.
- **Thematic Readings:** Readings are organized around thematic topics in both Indian and global history, fostering a broad and inclusive approach to historical study.

- **Interdisciplinary Approach:** The department advocates for integrating insights from fields such as sociology, anthropology, and political science, offering a well-rounded, multifaceted understanding of history.
- **Research-Oriented Learning:** Students are encouraged to pursue independent research, deepening their engagement with the discipline and contributing to the field of historical scholarship.
- **Holistic Learning Experience:** The department promotes both academic and extracurricular activities, including seminars, talks, and cultural events, to support students' overall growth and development.
- **Student-Centered Environment:** A supportive, student-friendly atmosphere fosters intellectual curiosity, active participation, and the cultivation of critical thinking skills.
- **Focus on Social Issues:** The department places a strong emphasis on raising awareness of social issues, encouraging students to develop a sense of responsibility and sensitivity toward societal challenges.

This comprehensive approach to curriculum design ensures that students not only gain in-depth knowledge of history but also develop the critical thinking, research, and communication skills needed to excel in their future careers.

4.11.3.7. Faculty roles & responsibilities in department:

Sl. No	Lecturer in-charge	Responsibilities
1	Mrs. Abida Sultana - DIC, History	➤ Subject allotment ➤ Preparation of Time table ➤ Time-table Monitoring ➤ Scrutiny of Academic Record, Attendance Registers and Teaching Diary ➤ Work status report ➤ Syllabus preparation & Compilation ➤ Prepare & Monitor academic activities ➤ Design of Curriculum and Syllabi ➤ Organizing Seminars & workshops ➤ Additional duties related to the Department of Controller of Examinations and Accounts ➤ Class In-charge

4.11.3.8. No of students: B.A. – 03

M.A.– 01

4.11.3.9. Intake capacity: UG – 30

PG – 30

4.11.3.10. Number of Passed Out Students:

UG – 03 (2021-2023), PG – 01 (2021-2022)

4.11.3.11. Faculty engagement other than academic activity:

1. Participation in University Cultural Programmes

2. Member of Women Empowerment Cell

4.11.3.12. Maximum marks obtained by students:

UG – 85% (As per the CBCS syllabus)

PG – 82% (As per the CBS syllabus)

4.11.3.13. Number of failed candidates: UG – 0

PG – 0

4.11.3.14. Dissertation is done by PG students.

Number of student:01

4.11.3.15. The percentage of attendance: UG – 80% (Running Batch)



Participation in University's Cultural Programme



Gandhi Jayanti Celebration (Swatch Bharat Abhijan)

4.11.3.16. Certificates of different Webinar and FDPs attended:

1. Webinar on “Opportunities and Challenges for Artificial Intelligence”
2. Webinar on “Wireless AI”



4.11.4. Department of Sociology

4.11.4.1. Details of Courses Offered and Course Wise Intake Capacity:

Sl no	Courses Offered	Course wise Intake Capacity	Under
1	BA (H)	25	CBCS
2	MA	15	CBS

4.11.4.2. Faculty Details:

Sl No	Name of the Faculty	Designation	Qualification	Faculty/ Staff

1	Dr. Suparna Sanyal Mukherjee	Hod of Social Science & Associate Professor	M.Sc, M.Ed & Ph.D	drsuparnaseacom@gmail.com & hod.sociology@seacomskillsuniversity
----------	-------------------------------------	--	------------------------------	---

4.11.4.3. Publication Details:

Sl. No.	Name of the author	Co-author	Year	Details
1	Samarpita Chowdhury	Suparna Sanyal Mukherjee	2022	Impact of Stress in Academic Achievement of College Students South 24 Pgs District, West Bengal, published in The International Journal of Research in Social Science (IJRSS), USA, Vol 12 , March 2022. ISSN 2249-2496
2	Suparna Sanyal Mukherjee		2022	Impact of Malnutrition on the Tribal Children :A Study Relied upon Health Status, will be published in The International Journal of International Journal of Multidisciplinary Research and Publications (IJMRAP) Issue April 2022.
3	Samarpita Chowdhury	Suparna Sanyal Mukherjee	2022	“Enhancement of Self – Esteem In Academic Achievement of the Bankim Sardar College, South 24 Pgs. District of West Bengal: An Analytical Study” Published in the Journal Of Emerging Technologies And Innovative Research (JETIR), June 2022 issue, volume 9, issue 6. Pg-749-758.ISSN 2349-5162.

4	Samarpita Chowdhury	Suparna Sanyal Mukherjee	2022	Impact of Self Esteem in Academic achievement of College Students of South 24 Pgs District, West Bengal.published .
5	Samarpita Chowdhury	Suparna Sanyal Mukherjee	2022	Exploration of Academic Achievement among the College Students of South 24 Pgs: Self Esteem as a Parameter Justness, published.
6	Mohammad Hossain	Suparna Sanyal Mukherjee	2022	A Study on Infant Feeding Practice among Mothers of Muslim Community of Kolkata Published in the International Journal of Current Research (IJCR), July 2022.
7	Mohammad Hossain	Suparna Sanyal Mukherjee	2022	Impact of breastfeeding on respiratory and gastrointestinal infections in infants of Muslim mothers of Kolkata, India”, Published in the MGM Journal of Medical Sciences, Vol-9, Issue-4, 2022.
8	Sanjit Biswas	Suparna Sanyal Mukherjee	2023	General Degree College Principals and Their Superintendence Etiquette In Accordance with Effectivity.” Published in TIJER- International Research Journal, May 2023 vol 10, Issue- 5, pp- 535-543. Paper Id- TIJER- 2305057.

9	Dipika Nandi	Suparna Sanyal Mukherjee	2023	Acclimatization of the Secondary Learners under Emanate of Secondary School Occupant. Published in the International Journal of Development Research [IJDR], Vol-13, Issue- 02, pp.61747-61750, February, 2023. https://doi.org/10.37118/ijdr.26327.02.2023
---	--------------	--------------------------	------	--

4.11.4.4. Book/Book Chapter Publication:

Sl. No.	Name of the author	Co-author	Year	Details
1	Suparna Sanyal Mukherjee		2022	“National Education Policy & Tribal Education: West Bengal at a Glance”
2	Suparna Sanyal Mukherjee			The Jharkhand Tribal State of Affairs: In A Multidimensional Perspectives.”
3	Suparna Sanyal Mukherjee		2022	Social Forestry: In Accordance with Tradition, Eco- Conservation& Cultural Importance for the Personages to Adhere Social Sway. Edited by Dr. Ram Avadh Prajapati JNU.
4	Suparna Sanyal Mukherjee		2022	Impact of Bees and Ethnography in Anthropological Perspectives. Published in the Edited Book “BEE CONSERVATION” Edited by Saikat Kumar Basu
5	Suparna Sanyal Mukherjee		Published Feb 2023	Peace Education and Mahatma Gandhi’s Contemplation: A Subject to Reminiscence, published in the edited book by Santi Nath Chattopadhyay.

6	Suparna Sanyal Mukherjee	Saikat Kumar Basu	Published May 2023	Indian Forest Act and Forest Protection to Elucidate India as a Tree Planting Laboratory at 21 st Century. published from MDPI Beijing.
7	Suparna Sanyal Mukherjee		2023	‘Peace education and Mahatma Gandhi’s Contemplation on Peace Education’ published in the edited book Culture and Quest An International Exchange.
8	Suparna Sanyal Mukherjee		2023	“Impact of Chipco Movement Under The Jurisprudence of Indian Forest Act”, Published in the edited book of Some aspects of colonial and post-colonial India.
9	Suparna Sanyal Mukherjee	Saikat Kumar Basu	2023	Utsob Ushnotay Sharul Shimul” Published in “Somoy”
10	Suparna Sanyal Mukherjee	Saikat Kumar Basu	2023	Ke Go Antoro-toro Se” Published in “Soomay”

4.11.4.5. FDP, Lectures, Seminars, Workshop, Webinar, Conference:

1. 25th – 30th March 2022 Life Skills Training Program
2. 12- 15 th July 2022 FDP of KGP IIT
3. Joined in SWYAM FDP on Education in July 2022. The course is continuing.
4. Completed 8 week course of NPTEL 2023
5. Attended 5thb National Level Workshop 2023

4.11.4.6. Attended Seminars/Conferences/Workshops: -

- Organized, conducted, participated two days workshop on Film Media and Interdisciplinary scope at the Seacom Skills University 28th & 29th April 2022.
- Invited, Participated and Attended Oral Presentation in the “9th International Conference on Research & Publication Ethics” organized by Indian Academic Researchers’ Association (IARA) at Riz Rivera, Special Economic Zone Kolkata on 1st May 2022.

- The Global Research Conference Forum 2022 held on 14th & 15th May 2022 accepted abstract and paper presented successfully.
- Organized and attended the workshop on “*film medium and social sciences a multidisciplinary perspective*” held on 28th & 29th of April 2022.
- Invited attended and presented paper on the Two Day International Seminar on Developing a Healthy Mind: Role of Society, Culture and Education, at the Department of Education Jadavpur University, Kolkata, and 13-14th May 2022.
- Invited attended and presented paper on the Two Day International Seminar on Understanding Environment in the Context of Contemporary Society, Culture and Education, at the Department of Education Gour Banga University, Malda, and 15th-16th June 2022.
- Invited attended and presented paper on the Two Day International Seminar on Sustainable Development: Issues, Prospects and Challenges” at the Department of Education Jadavpur University, Kolkata, on 17th-18th June 2022.
- Invited and will be participated in the annual education exhibition for the education & skill sector on 21-23 September 2022 at the Bangalore International Exhibition Centre, Bangaluru.
- Invited and will be participated in the AWS Worldwide Public Sector Summit on education & skill sector on 12th September 2022 at the New Delhi.
- Invited and chaired in the Two Day International Seminar on: “Globalization in India: Its Impact on Society, Education and Literature” held on 23-24th November 2022 at West Bengal State University, Barasat, West Bengal.
- Invited and presented paper in the National Seminar on ‘Fifty Years of Indian Economy since 1972” held on 24-25th November 2022 at Rabindra Bharati University, Kolkata.
- Invited and presented paper in the International Seminar on “Significance of Peace & Human Values in the Context of Society, Culture & Education”, held on 28th & 29th

November 2022 at Cooch Behar Panchanan Brahma University, Alipurduar, West Bengal.

- Invited and presented paper in the International Seminar on “ Rescripting the Anthropocene : Health happiness & Hope” from 11-13th January 2023 at the University of Delhi.
- Invited and presented paper in the International Seminar on “Recent Trends or, challenges I Social, Cultural and Educational Sectors: An Overview” on 7th-8th February 2023 at Jadavpur University, Kolkata.
- Invited and presented paper in the International Seminar on 2nd International Conference on Entrepreneurship Development: Opportunities & Challenges, at Department of Life Long Learning and Extension, Viswa – Bharati, on 24th&25th March 2023.
- Invited and presented paper in the International Seminar on AZADIKA AMRIT MAHATSOV – A Three Day All India Sanskrit Conference from 5th -7th March 2023 at Viswa Bharati , Santiniketan, Bolpur.
- Invited and presented paper in the International Seminar on International Interdisciplinary Research in Education and Skills. The Ayush Sammiridhi on 18th May 2023.
- Invited and presented paper in the International Seminar on the World Honey Bee Day 20th May 2023 by the IIRE.
- Invited and presented paper in the International Seminar on 26th may 2023 by CMRA on Climate Change and Protect Biodiversity.
- Invited and presented paper in the International Seminar on 30th May 2023 on Asia Undercurrent Webinar Session 13 Japan and the G7 in a time of Global Change.
- Invited and presented paper in the International Seminar on Save Nature : Save Biodiversity, In collaboration with Howrah Suparna & Mahishadal College on 27th June 2023.

- Invited and presented paper in the International Seminar on 1st International Conference on Public Health 3rd – 5th August 2023 at Rajsahi University, Bangladesh.
- Invited and presented paper in the International Seminar on Anthropology in Public Sphere: Indignity, Social Justice, Sustainability and Global Peace at Kalinga Institute of Social Sciences, Bhubaneswar from 9th to 14th August 2023. The WAC 2023.
- Invited and presented paper in the International Seminar on Honey Bee : Take Care by International Interdisciplinary Institute for Research Education and Skills, on 21st August 2023.
- Attended , Participated& Paper Presented in the IN4OBE Global Summit 2022 held on 12-14th August 2022.
- Attended , Participated in the DIDACTIC International Webinar on 15th January 2023.
- Invited, attended and paper presented in the IN4OBE Global Virtual Summit 2022.
- Invited, Attended and Paper presented on the World Honey Bee Day on May 2023.
- Invited, Attended and paper presented in the International Conference on Biodiversity May 2023.
- Attended Asia Undercurrent Webinar Session 13 Japan and the G7 in a Time Global Change.
- Invited, Attended and paper presented in the International Conference on “Save Nature, Save Biodiversity on 27th June 2023.
- Invited, Attended and paper presented in the International Conference on the International day of Honey Bee Awareness Day on 19th August 2023.

4.11.4.7. Attended Webinar

- Attended workshop on 28 & 29 April 2022.
- Attended , Participated & Paper Presented in the IN4OBE Global Summit 2022 held on 12-14th August 2022.

4.11.4.8. Achievements:

1. Indexed the article Preferment of Rural Amplification & Job Cards Distribution: The Role of Fifteenth Finance Commission under Panchayati Raj System in Scope database. Source ID – 00000255.

2. Indexed the article Impact of Stress in Academic Achievement of College Students South 24 Pgs District, West Bengal, published in The International Journal of Research in Social Science (IJRSS), USA, Vol 12, and March 2022. ISSN 2249-2496. Manuscript ID 00001-50982 Source ID 00000367.
3. Selected and Delivered Special Lecture on the “Future of the Training Colleges in the light of National Education Policy 2020 on 24/05/2022 as a key resource person at GourangdiB.Ed College, Gourangdi, Asansol, PaschimBardhaman.
4. Appreciated and Accredited as a Super Speaker in recognition of inspiring action and sharing definition of success in Super Speaker Season 2, 2022.
5. Recognition from Guinness Book of World Records as an integral part of Making India The Training Capital of The world on 5th September 2022.
6. More than 2000 citations acclaimed from all over the World.
7. Nominated, Selected & Awarded by the Jury Board for the Asian Education Award 2021. The event covered 98 Media & News Channels.
8. Nominated, Selected & Awarded by the Jury Board for the SAARC Regional Brilliance Award 2022.
9. Nominated, Selected & Awarded by the Jury Board for the Bharat Achiever Award 2022.
10. Nominated, Selected For Indian Leadership Award 2022, Excellence in Research.
11. Nominated, Selected For Education Icon Award 2022, Excellence in Research.
12. Nominated, Selected & Awarded by the Jury Board for the Research Excellence Award 2022 by the IARA.
13. Nominated, Selected & Awarded by the Jury Board for the Rashtriya Prerana Award 2022.
14. Nominated, Selected & awarded in August 2022 by the Jury Board for the International Education Icon Award 2022.
15. Nominated, Selected & awarded in September 2022 by the Jury Board for the Banglar Gourav Award 2022.
16. Nominated, Selected & awarded in September 2022 by the Jury Board for the IDA Education Award 2022.
17. Nominated, Selected & Awarded in September 2022 by the jury board for the GlantoreX Women Icon Award.
18. Nominated, Selected & Awarded in November 2022 by the jury board for the Bharatiya Ekta Award.
19. Nominated, Selected & Awarded in February 2023 The Talent Star Award.
20. Nominated, Selected & Awarded in February 2023 Education Icon Award 2023.
21. Nominated Awarded in July 2023 The Rashtriya Prerana Award 2023.

22. Nominated Awarded in July 2023 The Rashtriya Prerana Award 2023.

23. Awarded in July 2023 The Netaji Subhash Chandra Bose Global Leadership Icon Award 2023.

4.11.4.9. Celebration & Events Conducted in the Particular School/Department

- Organized, conducted, participated two days workshop on Film Media and Interdisciplinary scope at the Seacom Skills University 28th & 29th April 2022.
- Teaching Sociology/Social Anthropology in the Faculty of Law & Agriculture(Taught) B.A 1stSEM, to 3rd SEM Honours of Sociology. B.A LLB 5 years (Honours). M.A Sociology Ist to 4th SEM. HOD Faculty of Sociology, Dept. of Sociology. B.Sc Honours. MA Philosophy IV SEM, MA Education I-IV SEM, Sanskrit I SEM.
- HoD of Education. Taking Ph.D Course work Classes & Research Methodology too.
- Coursework Classes taken for Education & Sociology
- Supervising Ph.D Scholars in Social Sciences, Education, and Sociology & Anthropology.
- Appointed as Head PhD Cell & Academic Coordinator since June 2019 to May 2022.

4.11.4.10. Initiation Has Been Taken For Student Development:

1. Audio Visual Method of Learning process by the Media management.
2. Documentary Film Making.

4.11.4.11. Orientation and Induction Program for Students: Attended on 2022 & 2023.

4.11.4.12. Students Details

S. No	Name of SPC	Email ID	Phone Number	Registration no	Year Of study	Subject & SEM
1	Jayanta Ghosh	jayantaghosh543210@gmail.com	8787563814	22112090701160	2022 - 2023	M.A Education - IV SEM

2	Raju Debnath	rajudebnath@gmail.com	9612371847	22112070077 2	2022 - 2023	B.A Educa tion - IV SEM
---	--------------	-----------------------	------------	------------------	-------------------	-------------------------------------

4.11.4.13. Any Other Information of the Department:

- The faculty is supervising the PhD Scholars.
- Thesis evaluation also done by the Faculty.
- Faculty is applied for Senior Research Fellowship in ICSSR



4.11.5. Department of Geography

4.11.5.1. About the Department:

The name of this department is Geography, it estd. Year was 2014. It comes under the school of arts and humanities of Seacom Skills University. The aim of this department is to develop the knowledge of students about the earth as well as all the aspects which is related to geography. Also the department focuses on the overall development of students and ensure for their bright futures. The department has the capacity to acquire 60 numbers of students from all the batches from both under graduate and post graduate. It also provides the opportunity of courses in science and arts like M.A/M.Sc and B.A/B.Sc. This department also provides modern GIS laboratory. Apart of that another important course that it provides which is PGD (post graduate diploma) in Remote Sensing and GIS.

4.11.5.2.

4.11.5.3. Details of courses and course-wise intake capacity:

Sl. No	Course	Intake Capacity	Eligibility Criteria
1	B.A	60	H. S qualified with minimum 45% marks (Arts only)
2	B.Sc.	60	H.S qualified with minimum 45% marks (Both Arts and Science)
3	M.A	60	Under Graduate qualified with minimum 45% Marks [Arts (Hons.) or Pass course]
4	M.Sc.	60	Under Graduate qualified with minimum 45% Marks [Arts (Hons.) with Economics/Statistics/Mathematics or Science]
5	PGD in Remote Sensing And GIS	30	M.Sc. Geography/Statistics/Mathematics/Physics

4.11.5.4. Faculty and Staff Details:

Sl. No.	Name of Faculty	Designation	Working Mode	Mail id
1.	Mr. Kumarjeet Chatterjee	Assistant Professor and HOD	Full Time	Hod.geography@seacomskillsuniversity.org
2.	Mrs .Swagata Mondal	Assistant Professor	Full Time	Swagata2151993@gmail.com

4.11.5.5. Paper Publication by faculty under Seacom Skills University:

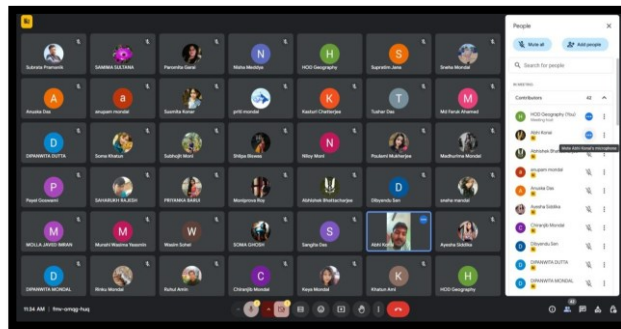
JOURNAL NAME	CHAPTER TITLE	AUTHORS	ISSN AND VOL. NO.
JOURNAL OF EMERGING TECHNOLOGIES AND INNOVATIVE RESEARCH	GEOGRAPHICAL STUDY ON SOCIO-ECONOMIC STATUS OF JUTE MILL WORKERS WITH SPECIAL REFERENCE TO HOOGHLY DISTRICT, WEST-BENGAL	SWAGATA MONDAL, KUMARJEE T CHATTERJEE,	2349-5162 JUNE 2022, VOL. 9, ISSUE-6

4.11.5.6. FDP /Workshop Attended:

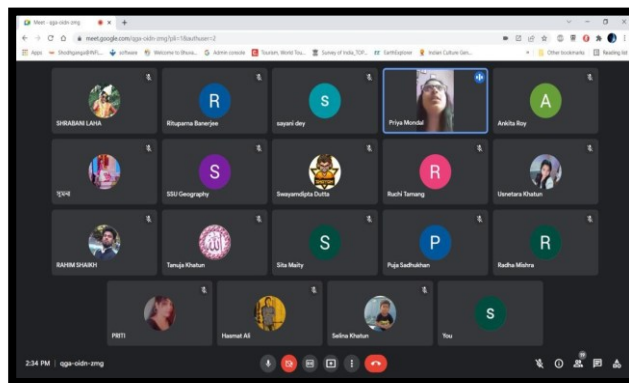
NAME OF THE PROGRAMME	ORGANIZED BY	COURSE DURATION
NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION	INTELLECTUAL PROPERTY OFFICE AND MOE'S INNOVATION CELL, INDIA	31.01.2023
ONLINE HAND ON TRAINING PROGRAMME ON REMOTE SENSING AND GIS WITH APPLICATION OF ADVANCE STATISTICAL SOFTWARE(RSGASS)	DEPARTMENT OF GEOGRAPHY HIRALAL BHAKAT COLLEGE, NALHATI, BIRBHUM AND CENTRE FOR ENVIRONMENTAL RESEARCH EDUCATION AND DEVELOPMENT (CERED) OF HARIHARPUR FRIENDS OF ENVIRONMENT (HFOE)	28.05.2023 TO 23.07.2023
ROLE OF TECHNICAL INSTITUTIONS IN COMMUNITY DEVELOPMENT	NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING AND RESEARCH (NITTTR), KOLKATA	08.05.2023 TO 12.05.2023

4.11.5.7. Initiative for student development:

- **Group discussion on job opportunity–**



- **Grooming Session –**



4.12. School of Language and Literature

4.12.1. Department of Sanskrit

4.12.1.1. About the School / Department : School of Arts and Humanities, Department of Sanskrit.

4.12.1.2. Details of courses and course wise intake capacity:

Course	Duration
B.A in Sanskrit	3 years (six semesters)
M.A in Sanskrit	2 years (four semesters)

4.12.1.3. Course wise intake capacity : M.A : 30

B.A : 60

4.12.1.4. Syllabus : UG syllabus formed as CBCS pattern. Approved by university authority.

PG syllabus formed as CBS pattern. Approved by university authority.

4.12.1.5. Faculty Details :

Name	Designation	Mobile No.	Email.Id	Highest Qualification
Dr. Shahanaz Banu	Assistant Professor and HOD, Sanskrit Department	9474904387	banushahanaz7@gmail.com	i. Ph.D. Awarded (2021), Visva Bharati in Sanskrit ii. Qualified in UGC- NET in Sanskrit, 2016. iii. Passed Two years Arabic Certificate

				Course, Visva-Bharati, 2017.
--	--	--	--	------------------------------

4.12.1.6. FDP, Lectures, Seminars, Workshop, Webinar, Conference :

1. Participated and presented a paper on “*Ethical values according to the Qur’an and the Gita - a comparative study*”, in All India Sanskrit Conference 2023, organized by Sanskrit, Pali and Prakrit Department, Visva Bharati, 5th-7th May 2023.

2. Participated and presented a paper on “*Concept of Mind or Manas-Tatva according to the Indian Philosophy*”, in One-day National Level Seminar on ‘Sanskrit, Sanskriti aur Bharatvarsha, organized by the Dept of Sanskrit, Asanasol Girls’ College, Asanasol, 20 th September, 2023.

3. Participated in Creative Mask Workshop, organized by School of Visual Arts, Seacom Skills University. 30th and 31th March, 2023.

4. Participated in MDP (Management Development Program) on “Sanskrit and Technology: an Overview, organized by Faculty of Arts, Communication and Indic Studies (FACIS), Sri Sri University, Cuttack, Odisha, on 9th August, 2023.

4.12.1.7. Celebration & Events conducted in the particular School/ Department : N.A

4.12.1.8. Awards & Achievements : N.A

4.12.1.9. Student Details :

M.A. – 01

4.12.1.10. Final year Students details (2022-23)

S.No.	Name of the Student	Gender	Category	Roll .No.	Mobile No.
1	Pritilata Saha	Female	General	1120903622001	8942905073

4.12.2. Department of English

4.12.2.1. About the Department:

The Department of English established and running since the inception of Seacom Skills University offers courses at UG, PG and PhD levels. The UG, PG and PhD Course Work syllabi are framed following the norms of UGC and are updated to keep abreast with the current trends in the field of study. It also offers various English language courses like Communication Skills, Soft Skills, Technical Writing, etc. for various other departments like Engineering, Pharmacy, Medical Technology, Agriculture, Management and Law. The departmental infrastructure facilities include a Language Laboratory and classrooms.

4.12.2.2. Programmes Offered and Intake Capacity:

BA (Hons)	50
MA	30

4.12.2.3. Present faculty profile for UG/ PG courses:

Sl. No.	Name	Highest Qualification	Designation	Specialization	Total Number of PhDs Guided
1	Dr. Amit Shankar Saha	PhD	Assistant Professor	Indian Diasporic Literature	4
2	Dr. Mousumi Das	PhD	Assistant Professor (PT)	Indian Writing in English	0

4.12.2.4. Paper Publication in Journals:

Dr. Amit Shankar Saha

1. “Investigating the Body and the Soul in Graham Greene’s *The Power and the Glory*.” *International Journal of Research in English*. Vol. 5, Issue 2, 2023. Pp. 162-164. ISSN 2664-8725. (Co-authored with Bikash Mondal)

4.12.2.5. Book Publication:

Dr. Amit Shankar Saha

1. A Portrait of the Artist as a Young Essayist. Memoirs, Personal Essays, Criticisms. Kolkata: Shabdayaan & Boighar-Shantiniketan. February 2023. ISBN 9789358137101.

4.12.2.6. Book Chapter Publication by Dr. Mousumi Das

1. "Religion, Beliefs and Practices: Portrait of the Society." Published in the book *Portrait of Society Collected Thoughts*. Edited by Prof. Birbal Saha and Anasuya Adhikari. ISBN- 978-93-91771-07-2, Crescent Publishing Corporation, 15th August, 2022 .

4.12.2.7. FDP, Lecture, Seminar, Workshop, Webinar, Conference:

4.12.2.7.1 Lecture Delivered by Dr. Amit Shankar Saha

1. "You are Here: The Power of Place." Writing Outside the frame: Asia Pacific Writers and Translators Conference and Festival (APWT), Alliance University. Bangalore: 28th - 30th November, 2022.

4.12.2.7.2 Attended by Dr. Amit Shankar Saha

1. "IP Awareness Programme." Organized by Intellectual Property Office and MoE's Innovation Cell, India. 31st January, 2023. (Online)

4.12.2.8. Student Details:

4.12.2.8.1 Student Admission:

Course	Admitted	Total in all years combined
--------	----------	-----------------------------

UG	1	6
PG	3	6

4.12.2.8.2 Final Semester Examination Results:

Course	Appeared	Passed
UG	2	2
PG	3	3

4.12.2.9. Other Information:

4.12.2.9.1 Teaching methods adopted:

- Induction lectures for new students
- Classroom lectures / Online lectures / Tutorial classes
- Audio lectures / Swayam Prabha videos / Movies
- Assignments and Seminar presentations
- Swayam NPTEL courses

4.12.3. Department of Bengali

4.12.3.1. About the School/ Department:

Name of the Department	Under the School of
Department of Bengali	School of Language and Literature

4.12.3.2. Details of Courses:

Details of Course	Under the School of	Departmental Structure	Number of Student Intake
-------------------	---------------------	------------------------	--------------------------

B.A	School of Language and Literature	Under CBCS (Choice Based Credit System)	60
MA	School of Language and Literature	Under CBS (Choice Based System)	30

4.12.3.3. Course Duration:

Details of Course	Duration
B.A.	3 Years
M.A	2 Years

4.12.3.4. Faculty Details of the Department:

Name	Designation	Department	Name of Department	School	Highest Qualification
Ms. Durba Pal	Guest Lecturer & DIC	Departmental	Bengali	Language & Literature	M.A. in Bengali (Visva-Bharati University), B.Ed (Burdwan University)

4.12.3.5. Faculty and Staff Details:

Name	Designation	Departmental/Non-Departmental	Name of Department	School	Mail Id	Phone No.
Ms. Durba Pal	Guest Lecturer & DIC	Departmental	Bengali	Language & Literature	ssubengali@gmail.com	9064194627
Mr. Ramesh Bag	Assistant Professor	Non-Departmental	Political Science	Humanities	ssupoliticalscience@gmail.com	8346915489

Mrs. Abida Sultana	Assistant Professor	Non-Departmental	History	Humanities	ssu.history2021@gmail.com	7908969776
Dr. Mousumi Das	Guest Lecturer	Non-Departmental	English	Language & Literature	iammousumi22@gmail.com	8918730895
Ms. Priya Saha	Assistant Professor	Non-Departmental	Painting	Visual Arts	ssufinearts@gmail.com	8145278300
Dr. Sukanta Nayek	Visiting Faculty	Non-Departmental	Environmental Studies	Bio-Science	hod.sob@seacomskillsuniversity.org	7908686068

4.12.3.6. Paper Publication by faculty under Seacom Skills University:- NA

4.12.3.7. Any book published by faculties under Seacom Skills University: - NA

4.12.3.8. Departmental Details:-

Programs	Prog. Details	Conducted	Attended	Delivered
	Two Days Creative Mask Workshop, organized by the School of Visual Arts, Seacom Skills University. (30 th and 31 st March, 2023)	-	Completed	-

4.12.3.9. Student Details:-

4.12.3.9.1 M.A BENGALI: 2021-23

NAME	REGISTRATION NO.	ROLL NO.	PHONE NO.	MAIL ID
------	------------------	----------	-----------	---------

1. Debyani Deb	2111209005067 2	1120900521001	8131930892	debyanideb939@gmail.com
2. Powshali Deb	2111209005093 4	1120900521002	6009452352	powshalideb@gmail.com
3. Pulak Debnath	2111209005093 5	1120900521003	9366649952	Pulakdebnath39@gmail.com
4. Kalyani Tudu	2111209005096 4	1120900521004	7477897697	debalinahemrom@gmail.com

4.12.3.9.2 M.A BENGALI: 2022-24

NAME	REGISTRATI ON NO.	ROLL NO.	PHONE NO.	MAIL ID
Minakkhi Dey	2211209005113 7	11209005220 03	6009068 154	minakhidey1889@gmail.com

4.12.3.9.3 B.A BENGALI: 2020-23

NAME	REGISTRATI ON NO.	ROLL NO.	PHONE NO.	MAIL ID
1. Anwesh a Saha	2011207005059 7	112070052000 3	933913754 9	anweshasuri98@gmail.com
2. Sarathi Banerjee	2011207005059 4	112070052000 2	960904161 7	sarathibanerjee@gmail.com

4.12.3.9.4 B.A BENGALI: 2021-24

NAME	REGISTRATIO N NO.	ROLL NO.	PHONE NO.	MAIL ID
1. Subrat a Saha	21112070050629	112070052100 1	90649284 1	subratasaha.kp@gmail.com

4.12.3.9.5 B.A BENGALI: 2022-2025

NAME	REGISTRA TION NO.	ROLL NO.	PHONE NO.	MAIL ID
1.Putul Murmu	22112070050 083	112070052 2001	7029798862	putul.murnu2022@gm ail.com
2.Bikram Kora	22112070051 024	112070052 2003	7362934666	bikramkora59@gmail.c om
3. Kusum Ali	21120700505 24	112070052 2002	7550881223	kusumali213@gmail .com
4. Palash Bhowmik	22112070051 213	112070052 2004	8119876801	palashbhowmik5060@ gmail.com

4.12.3.10. Administrative Work Done by the Faculties of Department of Bengali:

Sl. No.	Details
1.	Ms.Durba Pal is Working as a Departmental In-Charge of the Department of Bengali, Seacom Skills University.

5. Celebrations and Special Events:

5.1.1. Independence Day (15th August 2022):

Seacom Skills University celebrated the 76th Independence Day with great enthusiasm and patriotic spirit on 15th August, 2022. The celebration began with the Vice Chancellor, Dr. L. N. Mondal, hoisting the National Flag on the university campus. Students, faculty, and staff joined the program, paying tribute to the freedom fighters and remembering their sacrifices. The event also included cultural performances, patriotic songs, and speeches highlighting the importance of freedom and responsibility towards the nation.



5.1.2. Mahatma Gandhi Jayanti Celebration and Swachh Bharat Abhiyan (Date: 2nd October 2022):

On 2nd October 2022, Seacom Skills University observed the birth anniversary of Mahatma Gandhi with reverence and enthusiasm. On this occasion, the university also organized a Swachh Bharat Abhiyan on the campus, reflecting Gandhiji's vision of cleanliness and simplicity. Faculty members, staff, and students actively participated in the cleanliness drive, spreading awareness about hygiene and responsibility towards society.

5.1.3. Republic Day (26th January 2023):

Seacom Skills University celebrated the 74th Republic Day of India on 26th January 2023 with great enthusiasm and patriotic spirit. The celebration began with the unfurling of the National Flag by Hon'ble Vice Chancellor Sir, followed by the National Anthem. In his address, the Vice Chancellor highlighted the importance of the Constitution of India and inspired students



and staff to uphold the values of unity, equality, and integrity.

5.1.4. Celebration of Acharya Prafulla Chandra Roy Birthday:

The Department of Chemistry at Seacom Skills University commemorated the birth anniversary of Acharya Prafulla Chandra Roy, the renowned ‘Father of Indian Chemistry,’ with a special celebration on 2nd August 2022.



5.1.5. International Yoga Day (21st June 2023):

Objectives:

The primary objective of organizing the International Yoga Day celebration at SSU is to promote physical and mental well-being among our students, faculty, and staff members. The event aims to raise awareness about the numerous benefits of yoga in maintaining a healthy lifestyle and managing stress. This year the theme of International Yoga Day 2023 is “Humanity”.

Event Details:

Date: The proposed date for the International Yoga Day celebration is 21 June, in alignment with the globally recognized observance.

Time: 9.30 to 11.00 am.

Venue: Academic Building II, Room No 212A & 213A

The International Yoga Day celebration will include the following activities:

Yoga Sessions: Certified yoga instructors will conduct guided yoga sessions suitable for participants of all skill levels. The sessions will focus on various yoga Asanas, breathing exercises, and relaxation techniques.

Demonstrations:

Engaging demonstrations of this year's suggested yoga protocol from the Ministry of AYUSH. Yoga postures and their benefits will be performed by skilled practitioners.

National Science Day (28th February 2023): Science exhibition and quiz competitions conducted by the School of Science.



5.1.6. World Environment Day (5th June 2023):

Plantation drives, awareness rallies, and poster competitions were held.

5.1.7. National Science Day (28th February 2023):

Science exhibition and quiz competitions conducted by the School of Science.

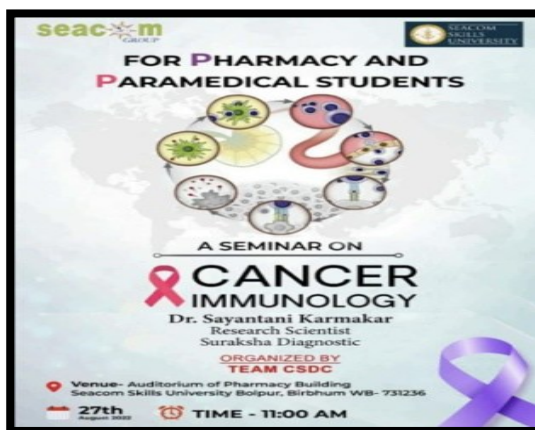
5.1.8. Legal Awareness Program (27th June 2023):

School of Legal Studies, Seacom Skills University in collaboration with the District Legal Services Authority, Suri, Birbhum, organized a Free Legal Aid and Legal Awareness Camp on 27th June 2023 at Shdbhab Mandap (Agnikanya Bhavan). The event was a great success, with active participation from many villagers who benefited significantly from the legal assistance and guidance provided during the camp.



5.1.9. Seminar on Cancer Immunology (27 Aug 2022):

A seminar was organised by School of Pharmacy, Seacom Skills University on Cancer Immunology on 27 August 2022. Dr. Sayantani Karmakar, Research scientist of Suraksha Diagnostic was the resource person and the seminar was mainly for pharmacy and paramedical students.



5.1.10. World Pharmacists Day 2022 (27 Sep 2022):

On the occasion of World Pharmacist Day, 27th September 2022, the School of Pharmacy, Seacom Skills University, organized a Blood Donation Camp. Faculty members, students, and staff actively participated in this noble initiative, highlighting the social responsibility and humanitarian values. More than 50 people came forward to donate blood.



5.1.11. Orientation and Induction Program 2022 (14th September 2022):

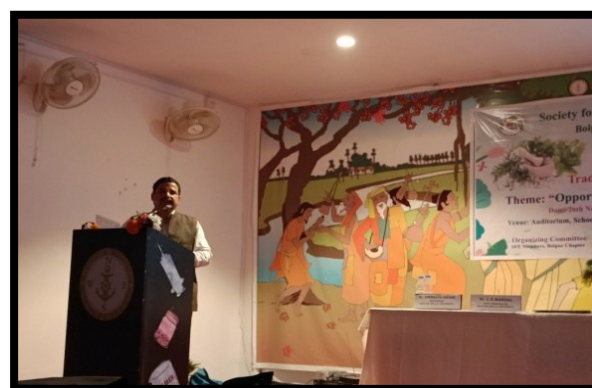
Orientation and Induction Programme for B. Pharm batch 2022 - 2026 & Diploma Batch 2022-2024 was arranged on 14 September 2022 in School of Pharmacy to introduce new students with all the college rules and regulations and along with that they were guided about the academic schedule, classrooms & Laboratories.

5.1.12. National Pharmacy Week 2022:

Day-1: School of Pharmacy in association with IPA Bengal Branch, celebrated 61st National Pharmacy Week Celebration-2022. The 1st day of program was started with an Awareness Rally from Bolpur High School to Gitanjali Cinema Hall road. In the second half there was a scientific and innovative handmade poster presentation by students.



Day-2: On 26th November a **Seminar on Traditional Medicine** was organised by School of Pharmacy in association with “Society for Ethnopharmacology”(Bolpur Local Chapter) following the theme “Opportunities in Herbal Research”. In the seminar **Prof. Pulok K. Mukherjee** was the chief guest who is the Director of Institute of Bioresources and Sustainable Development, Imphal, Manipur, India & Director (additional charge) Institute of Life Sciences, Bhubaneswar, Odisha, India. Some renowned dignitaries were also present as guest of honours.



5.1.13. Farewell 2023 (23 June 2023)

Farewell 2023 was organized by the students of School of Pharmacy to bid a good bye to their senior batch B. Pharm Batch 2019 - 2023 and D. Pharm Batch 2021-2023. The celebration was full of cultural performances and remembrance of old memories.



5.1.14. Constitution Day Celebration (26th November 2022) :

The School of Legal Studies, Seacom Skills University, celebrated Constitution Day on 26th November 2022 to honor the adoption of the Indian Constitution. On this occasion, students and faculty reflected on the values of justice, liberty, equality, and fraternity, and highlighted the significance of constitutional principles in shaping the nation's democratic framework.

5.1.15. Poster Competition on Bee Keeping :



5.1.16. Excursion 2023

In May 2023, the Department of Geography, Seacom Skills University, organized an educational excursion to Sikkim. The program provided students with practical exposure to geographical features, cultural diversity, and environmental studies, enriching their academic learning through field experience



5.1.17. Handmade Jewellery Exhibition (13-15th September 2023):

The School of Visual Arts, Seacom Skills University, organized a Handmade Jewellery Exhibition from 13th to 15th September 2023. The exhibition showcased the creativity and craftsmanship of students through a wide range of innovative and aesthetically designed jewellery pieces. The event provided a platform for young artists to display their talent, promote traditional and contemporary jewellery-making techniques, and interact with visitors, faculty, and fellow students. It was a celebration of art, design, and originality, reflecting the spirit of the university's commitment to nurturing creativity.



5.1.18. Creative Mask Design Workshop (30th–31st March 2023):

The School of Visual Arts, Seacom Skills University, organized a Creative Mask Design Workshop on 30th–31st March 2023. The workshop aimed to encourage students to explore their imagination and artistic skills through the design of innovative and expressive masks. Participants experimented with diverse materials, colors, and styles, blending traditional aesthetics with contemporary ideas. The event not only showcased creativity but also provided a hands-on learning experience, fostering originality, design thinking, and teamwork among students.



Sports Events

5.1.19. Talent Hunt Competition Football:

Seacom Skills University organized a Talent Hunt Competition in Football in 2023 to encourage students' sporting spirit and identify young talents. The event witnessed enthusiastic participation from students across different schools of the University. Exciting matches were played with full energy, showcasing teamwork, discipline, and passion for the game. The winners were felicitated by University.



Religious Events

5.1.20. Biswakarma Puja Celebration (17th September 2022):

Seacom Skills University celebrated Biswakarma Puja on 17th September 2022 with devotion and enthusiasm. The puja was performed in the campus workshop area to honor Lord Biswakarma, the divine architect and engineer. Faculty members, staff, and students actively participated in the rituals and sought blessings for knowledge, skill, and prosperity. The celebration created a vibrant atmosphere filled with cultural unity, followed by prasad distribution among all present.



5.1.21. Saraswati Puja Celebration at Seacom Skills University (26th January 2023)

On 26th January 2023, Saraswati Puja was celebrated with great devotion and enthusiasm at Seacom Skills University. The entire campus was beautifully decorated with flowers and rangoli, creating a festive atmosphere. Students, faculty, and staff members gathered to worship Goddess Saraswati, the deity of wisdom, knowledge, and learning. The rituals were performed with traditional fervor, followed by distribution of prasad among all present.



Cultural Festivals

5.1.22. Basanta Utsav (06th March 2023):

Seacom Skills University joyfully celebrated Basanta Utsav on 06th March 2023. The occasion was marked with vibrant cultural performances, music, dance, and traditional festivities that reflected the spirit of spring and harmony. Students, faculty members, and staff participated with enthusiasm, spreading colours of joy and togetherness across the campus. The celebration not only showcased cultural values but also strengthened the bond among the university community.

5.1.23. Rabindra Jayanti (9th May 2023):

Seacom Skills University celebrated Rabindra Jayanti with great reverence to commemorate the birth anniversary of Gurudev Rabindranath Tagore. The program featured recitations, songs, and dance performances based on Tagore's works, reflecting his timeless contribution to literature, music, and culture. Students and faculty members actively participated, making the occasion a memorable tribute to the Nobel laureate.

5.1.24. Teachers' Day Celebration (5th September 2022):

Seacom Skills University observed Teachers' Day on 5th September 2022, commemorating the birth anniversary of Dr. Sarvepalli Radhakrishnan, former President of India, renowned philosopher, and distinguished educator. The occasion was a warm tribute to the commitment, guidance, and inspiration of the teaching fraternity. Organized by students from different departments, the program featured cultural presentations, speeches, and the felicitation of faculty members. Through poetry, songs, and dance, students conveyed their heartfelt gratitude, highlighting the invaluable role of teachers in shaping knowledge, character, and future aspirations.

5.1.25. RITMO Fest 2023 (5-6th May,2023):

Seacom Skills University celebrated RITMO FEST 2023 on 5th–6th May 2023 with vibrant enthusiasm. The two-day cultural fest brought together students, faculty, and staff, who showcased their talents through music, dance, and performances. A major highlight of the event was the electrifying performance by the renowned Bengali band **Fakira**, which added energy and excitement to the celebration.





We are in



www.seacomskilluniversity.ac.in

Kendradangal, Birbhum , West Bengal, 731236