



Seacom Skills University



# ANNUAL REPORT

AUGUST 2023 - JULY 2024



SEACOM SKILLS UNIVERSITY



Annual Report 2023-2024

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(AUGUST 2023–JULY 2024)

5<sup>TH</sup> ISSUE

17<sup>TH</sup> JULY 2024



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



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(AUGUST 2023–JULY 2024)

5<sup>TH</sup> ISSUE

SEACOM SKILLS UNIVERSITY  
KENDRADANGAL, BOLPUR- SANTINIKETAN

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## Words from the Chancellor – Academic Year 2023–24

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 ten 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. A testament to this progress is the awarding of over one hundred PhDs during our 2023 Convocation.

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**

### Vice Chancellor's Message for the Annual Report 2023–24



One of the most reliable ways to gauge the academic achievements and administrative progress of a University is to audit its periodic performance and achievement. Annual report of the University reflects not only the accomplishments of academic staff and students but also it gives an overview of functionality and visibility of administrative management. In this light, the **Annual Report: 2023–24** of **Seacom Skills University** serves both as a summary of the year's endeavors and as a mirror of the institution's broader academic and societal aspirations.

**Seacom Skills University**, the only private university in the Birbhum district and the sole Skills University in the state of West Bengal, has proudly stepped into its **tenth year of establishment** on **11th April 2024**. This historic milestone stands as a testament to our decade-long commitment to **skill-based education, innovation, and nation-building**.

Likewise, all the years past since its establishment in 2014, publishing annual report for this year was a demanding yet rewarding task, and I sincerely thank to all members of the Committee for preparation of Annual Report: 2023-24 for their persisting task to precisely document all aspects of our achievements taken place during 2023-2024. Let us continue to ensure that **Seacom not only enrolls students but transforms them into skilled, responsible, and empowered citizens of the nation**.

*Prof. (Dr.) Prabir Mukhopadhyay*  
Vice Chancellor  
Seacom Skills University

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# About the University



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- Forestry Unit
- Fodder Block
- Dean of SO
- Principal of SO
- Account
- Admission Cell
- Placement Office
- Central Library
- SPL Office
- Canteen

## **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, 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 50-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. In recognition of 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.

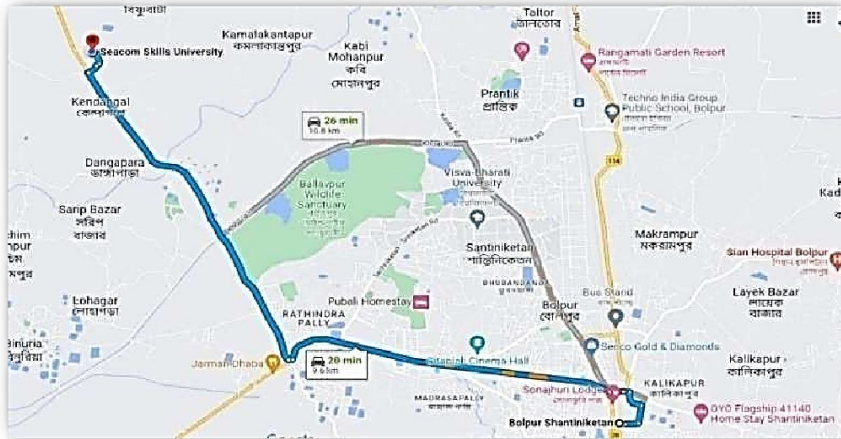
### **1.2.2. Mission**

- 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 50-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**

# Annual Celebration of Academic Excellence & Achievement Award Ceremony



## University Administration



## 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:

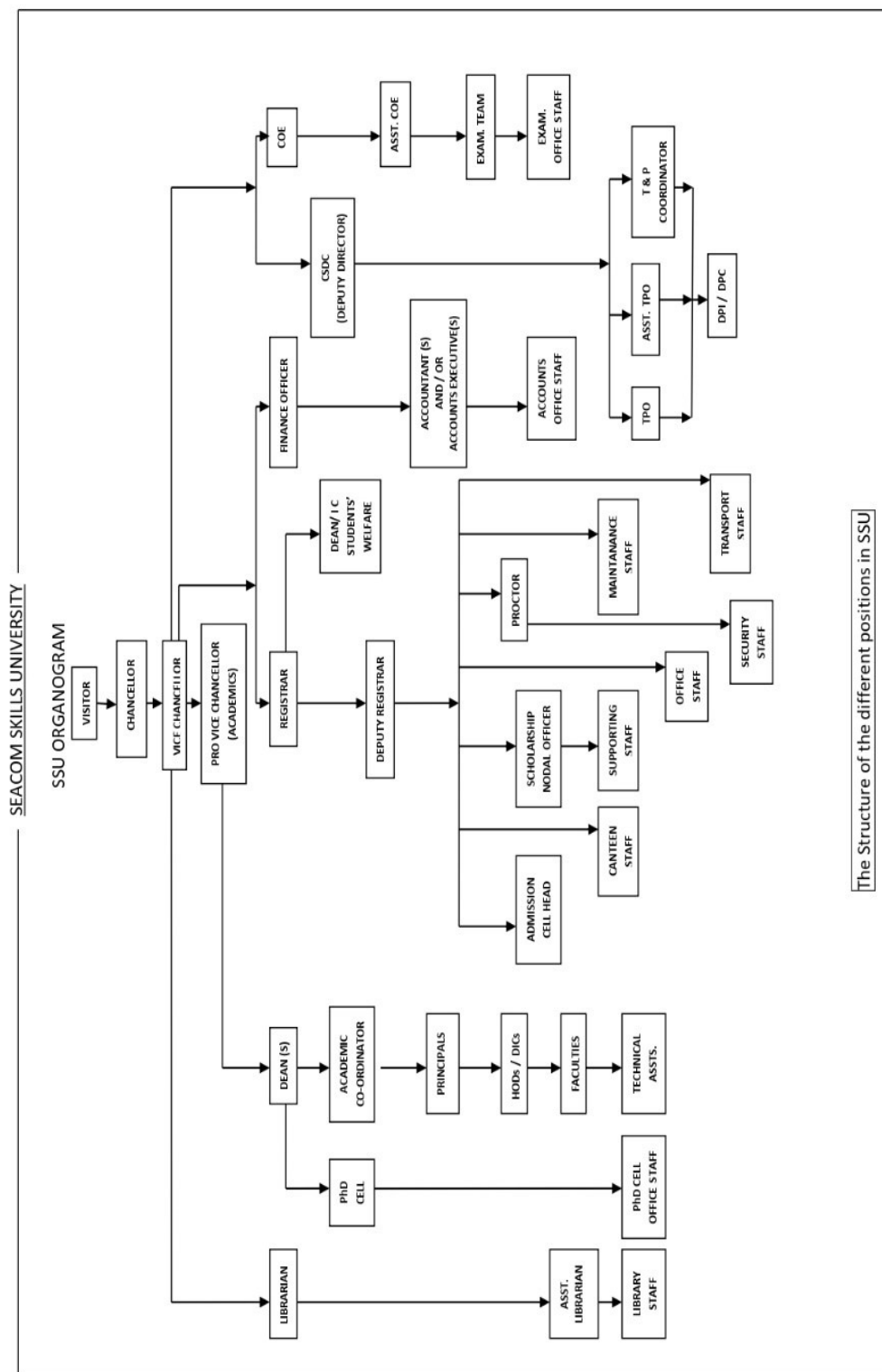
- **Governing Body** – The highest policy-making body, responsible for overarching strategic decisions and policy formulation.
- **Board of Management** – Executes administrative and operational functions and ensures implementation of policies.
- **Academic Council** – The apex academic body responsible for academic planning, curriculum approval, and quality assurance.
- **Finance Committee** – Advises on financial matters, budget planning, and resource allocation.
- **Research and Development Board** – Oversees all matters related to research, innovation, and doctoral programs.
- **Faculty Council for Schools** – Acts as an intermediary academic body within each School, coordinating academic matters, moderating internal assessments, and aligning departmental objectives with institutional goals.

## 2.2. Leadership and Governance Structure


### 2.2.1. Key office bearers as on 31.07.2024

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

## 2.3. Organizational Structure



## 2.4. Academic Calendar of 2023-24

		<b>SEACOM SKILLS UNIVERSITY</b> <b>ACADEMIC CALENDAR: 2023-2024</b>		
Month	Regular Classes	Examinations	Holiday's [Marked Red]	Co-Curricular Activities
August	1 <sup>st</sup> August (Tues): Regular Classes Begin for Odd Semester (Session: 2023-24)		15 <sup>th</sup> Aug (Tues): Independence Day	15 <sup>th</sup> Aug: Celebration of Independence Day
September	Regular Classes Continue		18 <sup>th</sup> Sep (Mon): Biswakarma Puja	18 <sup>th</sup> Sep: Celebration of Biswakarma Puja
	12 <sup>th</sup> Sep (Tue): Starting of 1 <sup>st</sup> Semester Classes for Odd Semester		28 <sup>th</sup> Sep (Thurs): Id-E-Milad	19 <sup>th</sup> Sep (Tues) – 22 <sup>nd</sup> Sep (Fri): Induction Program for all 1 <sup>st</sup> Semester Students (Fresher's Welcome)
October	Regular Classes Continue		2 <sup>nd</sup> Oct (Mon): Gandhi's B'Day	
			14 <sup>th</sup> Oct (Sat): Mahalaya	
			20 <sup>th</sup> Oct (Fri) - 24 <sup>th</sup> Oct (Tue): Durga Puja Vacation	
			28 <sup>th</sup> Oct (Sat): Laxmi Puja	
November	Regular Classes Continue	2 <sup>nd</sup> Nov (Thurs) - 10 <sup>th</sup> Nov (Fri): Internal Examinations for Intermediate Semesters Batches	12 <sup>th</sup> Nov (Sun): Kali Puja	1 <sup>st</sup> Nov (Wed): Annual SSU Thanksgiving Day (Birth Day Celebration of Co-founder)
		16 <sup>th</sup> Nov (Thurs) – 23 <sup>rd</sup> Nov (Thurs): Practical Examinations for Intermediate Semesters Batches	13 <sup>th</sup> Nov (Mon): Diwali	18 <sup>th</sup> Nov (Sat): SSU 1 <sup>st</sup> Convocation
			15 <sup>th</sup> Nov (Wed): Bhatridwitiya	27 <sup>th</sup> Nov (Mon): Guru Nanak's B'Day Celebration
December	Regular Classes Continue for 1 <sup>st</sup> Semester Batches	5 <sup>th</sup> Dec (Tue) – 21 <sup>st</sup> Dec (Thurs): Odd Semester Examinations for Intermediate Semesters Batches	27 <sup>th</sup> Nov (Mon): Guru Nanak's B'Day	
			25 <sup>th</sup> Dec (Mon): Christmas	
January	2 <sup>nd</sup> Jan (Tue): Regular Classes begin for Even Semester Batches (Except 2 <sup>nd</sup> Semester)	3 <sup>rd</sup> Jan (Wed) - 12 <sup>th</sup> Jan (Fri): Internal Examinations for 1 <sup>st</sup> Semester Batches	23 <sup>rd</sup> Jan (Tue): B'Day of Netaji	26 <sup>th</sup> Jan (Fri): Celebration of Republic Day
		9 <sup>th</sup> Jan (Tue): Publications of Results of Intermediate Semester Batches		
		16 <sup>th</sup> Jan (Tue) – 22 <sup>nd</sup> Jan (Mon): Practical Examinations for 1 <sup>st</sup> Semester Batches	26 <sup>th</sup> Jan (Fri): Republic Day	

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February	Regular Classes Continue	6 <sup>th</sup> Feb (Tue)- 20 <sup>th</sup> Feb (Tue): Odd Semester Examinations for 1 <sup>st</sup> Semester Batches	14 <sup>th</sup> Feb (Wed): Saraswati Puja	14 <sup>th</sup> Feb (Wed): Saraswati Puja Celebration
	23 <sup>rd</sup> Feb (Fri): Regular Classes begin for 2 <sup>nd</sup> Semester			26 <sup>th</sup> Feb (Mon) -27 <sup>th</sup> Feb (Tue): Annual Sports
March	Regular Classes Continue	7 <sup>th</sup> Mar (Thurs): Publications of Results of 1 <sup>st</sup> Semester Batches	24 <sup>th</sup> Mar (Sun): Doljatra	22 <sup>nd</sup> Mar (Fri): Celebration of Basanta Utsav in 2 <sup>nd</sup> Half from 4 PM - 6 PM
			25 <sup>th</sup> Mar (Mon): Holi	29 <sup>th</sup> Mar (Fri): Celebration of Good Friday
			29 <sup>th</sup> Mar (Fri): Good Friday	
April	Regular Classes Continue	16 <sup>th</sup> April (Tue) - 26 <sup>th</sup> April (Fri): Internal Examinations for Terminal Semester Batches	11 <sup>th</sup> Apr (Thurs): Eid-Ul-Fitr	14 <sup>th</sup> April (Sun): Celebration of Ambedkar Jayanti
			14 <sup>th</sup> Apr (Sun) : Ambedkar Jayanti	
			15 <sup>th</sup> Apr (Mon) : Bengali New Year	
May	Regular Classes Continue	14 <sup>th</sup> (Tue) - 24 <sup>th</sup> May (Fri): Internal Exams (Except Terminal Semester Batches)	1 <sup>st</sup> May (Wed): May Day	1 <sup>st</sup> May (Wed): Celebration of May Day
			27 <sup>th</sup> May (Mon) - 31 <sup>st</sup> (Fri) May: Terminal Semester Practical Examinations	8 <sup>th</sup> May (Wed): Rabindra Jayanti
June	Regular Classes Continue	4 <sup>th</sup> (Tues) June – 20 <sup>th</sup> June (Thurs): Even Semester Examinations for Terminal Semester Batches	17 <sup>th</sup> June (Mon): Eid-Ul-Zoha (Bakri Eid)	
July		5 <sup>th</sup> July (Fri): Publications of Results of Terminal Semester Batches	17 <sup>th</sup> July (Wed): Muharam	15 <sup>th</sup> July (Mon): Founder's Day Celebration (Birth Day Celebration of Founder)
		9 <sup>th</sup> July (Tue) – 29 <sup>th</sup> July (Mon) July: Even Semester Examinations (Except Terminal Semester)		

**ACADEMIC SESSION 2024-2025**

August	1 <sup>st</sup> August (Thurs): Regular Classes Begin for Odd Semester (Session: 2024-25)	20 <sup>th</sup> August (Tues): Publications of Results of Even Semester (Except Terminal Semester)	15 <sup>th</sup> Aug (Thurs): Independence Day	15 <sup>th</sup> Aug: Celebration of Independence Day
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*P. Ghosh*  
31/08/2023

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



*N. Ghosh* 31/8/23

**Registrar**  
**REGISTRAR**  
SEACOM SKILLS UNIVERSITY  
KENDRADANGAL, BIRBHUM-731236



# Academic Structure and Programs



### 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 2023–24, 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, life sciences, health sciences, visual arts, and humanities. 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 BIOSCIENCE	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 VISUAL ARTS	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 MONTHS

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

### 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. Collection Overview

As of the 2023-24 academic year, the library houses a total of approximately **21,000 books**, comprising **16,045 accessioned books** and **4,500 gifted books** currently under processing. Additionally, the collection includes **500 reference books**, **473 journals**, **9 magazines**, and **3 newspapers**, ensuring a comprehensive repository of knowledge for academic and professional pursuits.

### 3.2.4. School-Wise Distribution of Resources

The library resources are distributed across the university's schools and departments to cater to specialized academic requirements:

SL. NO	SCHOOL	DEPARTMENT	BOOK COUNT	JOURNAL	MAGAZINE
1	SCHOOL OF ENGINEERING	ELECTRICAL ENGINEERING	718	NA	NA
		CIVIL ENGINEERING	624		
		MECHANICAL ENGINEERING	894		
		COMPUTER SCIENCE ENGINEERING	562		
2	SCHOOL OF COMMERCE & MANAGEMENT		985	NA	NA
3	SCHOOL OF PHARMACY		3390	NA	NA
4	SCHOOL OF LEGAL STUDIES		2902	470	NA
5	SCHOOL OF AGRICULTURE		3475	NA	8
6	SCHOOL OF BIOSCIENCE	BOTANY	543	NA	NA
		ZOOLOGY			
		MICROBIOLOGY			
		BIOTECHNOLOGY			
7	SCHOOL OF SCIENCE	PHYSICS	242	NA	NA
		CHEMISTRY	205	NA	NA
		MATHEMATICS	461	NA	NA
8	SCHOOL OF HUMANITIES	HISTORY	0	NA	NA
		GEOGRAPHY	171	NA	NA

		POLITICAL SCIENCE	107	NA	1
		PHILOSOPHY	34	NA	NA
		ECONOMICS	31	NA	NA
		LIBRARY & INFORMATION SCIENCE	34	2	NA
9	SCHOOL OF VISUAL ARTS	MSW	0	NA	NA
		RDM	0	NA	NA
10	SCHOOL OF SOCIAL SCIENCE		0	NA	NA
11	SCHOOL OF PARAMEDICAL AND HEALTH SCIENCE	DMLT,BMLT	70	NA	NA
12	SCHOOL OF LANGUAGE & LITERATURE	BENGALI	170	NA	NA
		ENGLISH	358	1	NA
		SANSKRIT	69	AN	NA
		FRENCH	0	AN	NA

### 3.2.5. 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 2023–24, emphasizing knowledge exchange and national-level engagement through the NDLI platform.

#### 3.2.5.1.1 Leadership and Organization

The NDLI Club is guided by a dedicated team:

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

### 3.2.5.1.2 Highlights of NDLI Club Programs (2023–24):

SL. No.	PROGRAMME	DATE	RESOURCE PERSON	REMARKS
1	NDLI AWARENESS PROGRAMME	13/02/2024	MR.SUMAN PANJA	
2	INTERNATIONAL LANGUAGE DAY	21/02/2024	PROF.AMAL PAL	
5	WORLD POYETRY DAY 2024 AND BASANTA UTSAV	21/03/2024	MR.ATANU BARMAN	
7	TRANDING TECHNOLOGIES OF THE INDUSTRY FOR ENGINEERING ASPIRANTS	05/04/2024	MR.RAJESH MITRA, MR.SUKHENDU GHOSH	
6	WORLD DANCEDAY	29/04/2024	PROF.YAI KHOM HEMANTA KUMAR	
8	WORLD ENVIRONMENT DAY	06/05/2024	PROF.SANTANU RAY	
12	USER FRIENDLY APPROACHES IN ACADEMIC LIBRARY	07/05/2024	PROF.SWAPNA BANERJEE AND DR.PUBALIKA BHATTACHARYA MITRA	COLLABORATION WITH CENTRAL LIBRARY
9	DIFFERENT ASPECTS OF TROPHIC INTERACTION WITH RESPECT TO FOOD WAVE	16/05/2024	DR.ARNAB BANERJEE	WEBINER COLLABORATION WITH SCHOOL OF LIFE SCIENCE
3	NATIONAL PHARMACY EDUCATION DAY	03/06/2024	NIL	WEBINER COLLABORATION WITH SCHOOL OF PHARMACY
13	GLINCESS OF TAGORE THROUGH VISUAL AND PERFORMANCE	08/06/2024	PROF.SUSHANTA DUTTA GUPTA	COLLABORATION WITH CENTRAL LIBRARY AND LIS DEPARTMENT
11	TARGETED INTERVANTION ON AWARENESS OF MENTAL HEALTH AND MENTAL ILLNESS	24/06/2024	MISS.ANAMIKA MITRA AND KUKANYA GHOSH	WEBINER COLLABORATION WITH SCHOOL OF PHARMACY

### 3.3. Admissions Overview (2023–24)

The academic session 2023–24 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 such as **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:

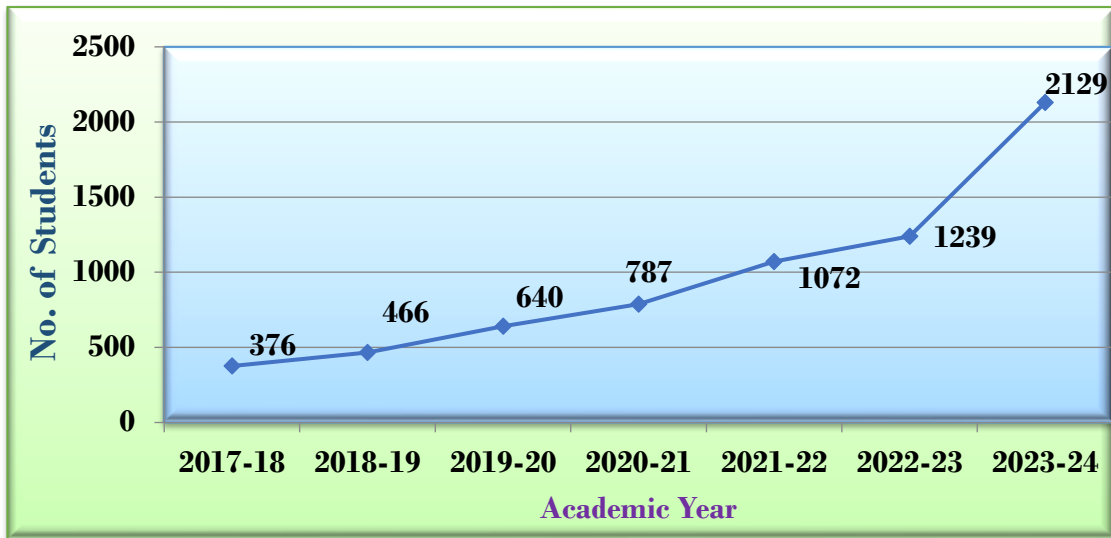
- ✳ The University offered **merit-based scholarships, girl-child incentives**, and fee waivers for deserving students from marginalized backgrounds.
- ✳ Tie-ups with government schemes (such as Swami Vivekananda Scholarship and Kanyashree) helped students avail financial assistance.

#### 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. The most notable surge occurred in 2023–24, with the student population nearly doubling from the previous year to reach an impressive 2,129. This upward trend is a clear indicator of the university's enhanced outreach, academic credibility, and its ability to attract students from across India and neighboring countries.

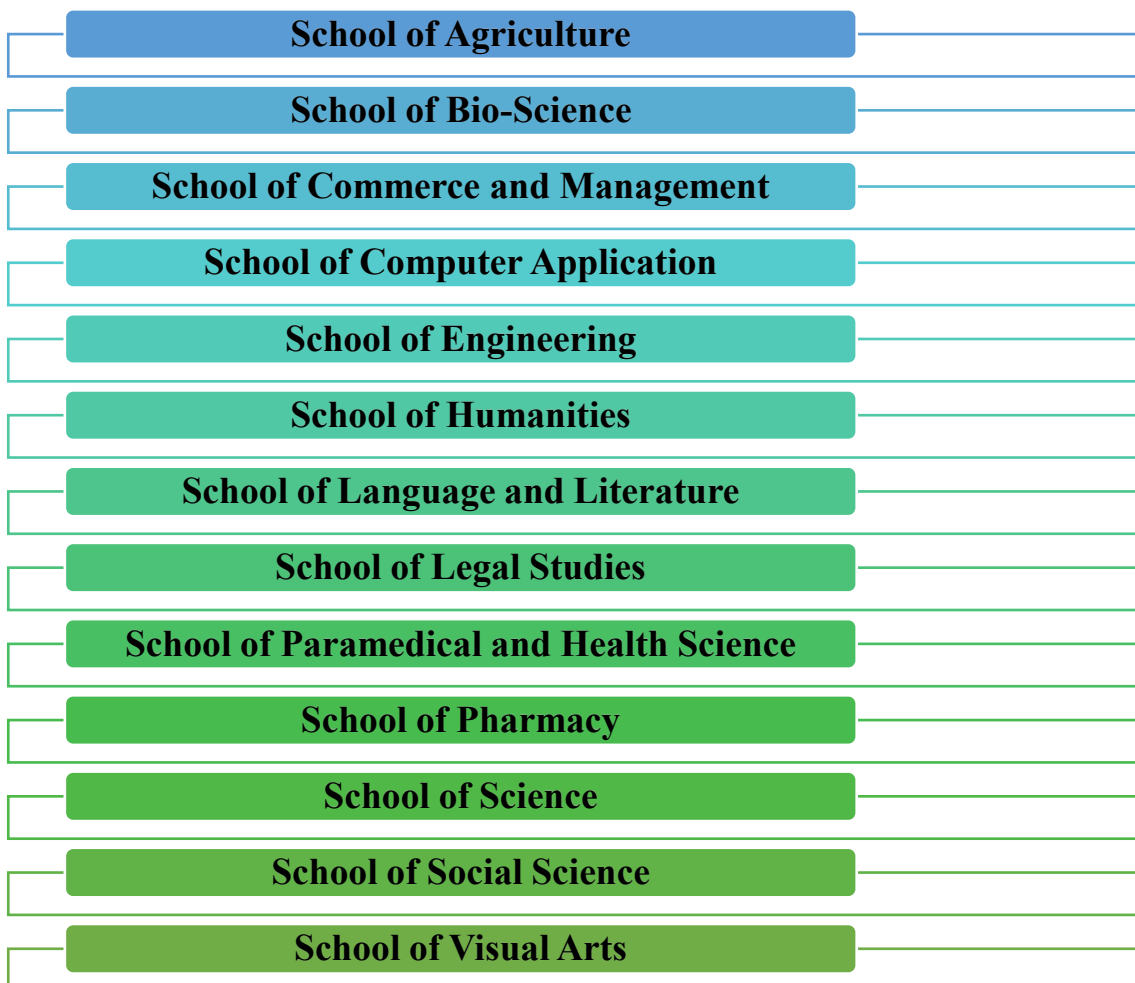


# Academic Highlights at a Glance: School-wise Overview



#### 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 Biosciences, Science, and Computer Applications cover core and applied sciences. Language, literature, and cultural studies are offered by the School of Language and Literature (English, Bengali, Sanskrit), Humanities, and Social Sciences. Creative programs are run by the School of Visual Arts, while healthcare education is offered through the School of Paramedical and Health Sciences and the School of Library and Information Science focuses on information management. Together, these Schools create a diverse and holistic academic environment.



## 4.1. School of Agriculture

### 4.1.1. Growth and genesis

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.

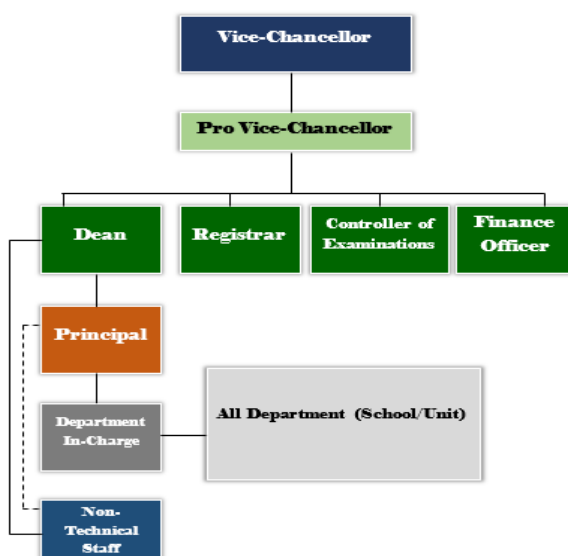
School of Agriculture to start with had 8 laboratories and 6 classrooms and instructional unit in an area of 25 ha. At present with the addition of new academic block the SSU has 10 classrooms (6 smart class rooms), 15 well equipped modernized laboratories, 7 field laboratories, instructional unit, computer lab, language lab and digital library.

### 4.1.2. School Administration

The School of Agriculture is headed by the Dean, appointed through a selection committee chaired by the Vice Chancellor. The Dean oversees all academic activities and reports to the Vice Chancellor through the Pro-Vice Chancellor. A Principal assists the Dean and manages academic matters through departmental In-charges.

Each department is led by an In-charge who reports to the Dean and works under the Principal. In-charges coordinate with faculty to ensure class conduction, syllabus completion, assessments, tutorials, student attendance, and overall academic performance.

Non-teaching staff report to the Dean, with the Principal as their immediate supervisor, and carry out duties assigned by the Dean or Principal.



#### 4.1.2.1. Administrative Officers

Sl. No.	Designation	Name of the office bearer
1.	Dean	Prof. (Dr.) Prabir Mukhopadhyay
2.	Principal	Dr. R. K. Biswas

#### 4.1.3. Courses offered

Course	Program	Duration
Under graduate	B.Sc. (Hons.) Agriculture	4 Years
Post graduate	M.Sc. (Ag.) in Agronomy	2 Years
	M.Sc. (Ag.) in Soil Science & Agricultural Chemistry	
	M.Sc. (Ag.) in Agricultural Extension	
	M.Sc. (Ag.) in Horticulture	
	M.Sc. (Ag.) in Entomology	
	M.Sc. (Ag.) in Plant Pathology	
	M.Sc. (Ag.) in Genetics & Plant Breeding	
	M.Sc. (Ag.) in Agricultural Economics	
M.Sc. (Ag.) in Agricultural Statistics		

#### 4.1.4. Admissions Overview School of Agriculture (2023–24)

Course	Program	No. of Student admitted
Under graduate	B.Sc. (Hons.) Agriculture	91
Post graduate	M.Sc. (Ag.) in Agronomy	10
	M.Sc. (Ag.) in Soil Science & Agricultural Chemistry	5
	M.Sc. (Ag.) in Agricultural Extension	1
	M.Sc. (Ag.) in Horticulture	4
	M.Sc. (Ag.) in Entomology	1

	M.Sc. (Ag.) in Genetics & Plant Breeding	2
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#### 4.1.5. Departments of Study

In order to maintain homogeneity and functional similarity of various branches of study, all the disciplines enforced by ICAR are clubbed for administrative conveniences and brought under the eleven departments in order to train highly skilled and competent man power among the youth in agricultural education and its allied areas.

##### 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

#### 4.1.5.1. Department of Agronomy

**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.

Disciplines	Name of the Staff		Designation	Qualification
Agronomy & Agro-Forestry	1	Mr. Subhajit Banerjee	Head & Assistant Professor	M.Sc. (Ag), Ph.D (Pursuing)
	2	Prof. (Dr.) A.L. Kundu	Professor	M.Sc. (Ag), Ph.D.
	3	Ms. Shreyasi Das	Assistant Professor	M.Sc. (Ag), Ph.D (Pursuing)
	4	Dr. Ramyajit Mondal	Assistant Professor	M.Sc. (Ag), Ph.D.
	5	Dr. Suhita Pyne	Assistant Professor	M.Sc. (Ag), Ph.D.
	6	Dr. Mrinmoy Karmakar	Assistant Professor	M.Sc. (Ag), Ph.D.
	7	Dr. Pranabesh Ghosh	Associate Professor	Ph.D.

### Mr. Subhajit Banerjee

**Designation:** Assistant Professor & Head

**Department:** Agronomy

#### Research Publications

- **Total:** 2 peer-reviewed publications in journals such as *Journal of Food Legumes* and *International Journal of Environment and Climate Change*.
- **APA Citations:**
  - Pratihar, D., Mondal, R., & Banerjee, S. (2023). Effect of foliar nutrition on growth and yield of green gram (*Vigna radiata* L.) in red and lateritic soils of West Bengal. *Journal of Food Legumes*, 36(1), 93-97.
  - Sana, M., Jana, K., Mondal, R., Mondal, K., Banerjee, S., & Banerjee, H. (2024). Effect of biological products on yield, production economics, and soil nutrient status of transplanted kharif rice (*Oryza sativa* L.) in Gangetic alluvial soil of West Bengal, India. *International Journal of Environment and Climate Change*, 14(7), 268-276.

#### External Examiner

- **Courses:** Crop Production Technology-II (Rabi Crops), Agricultural Waste Management, Fundamentals of Agronomy.
- **Institution:** The Neotia University.
- **Year:** 2024.

#### Question Paper Setter (External)

- **Course:** Principles of Organic Farming.
- **Institution:** JIS University.
- **Year:** 2024.

#### Radio/TV Talks

- **Topics:** Production Technology of Sesame, Cultivation of Maize in Conservation Agriculture System, Production Technology of Watermelon.
- **Channel:** Akashvani/DD P-1.
- **Year:** 2023–2024.
- **Duration:** 30 minutes each.

#### **Books/Book Chapters Published**

- **Title:** Initiative Focus on Empowering Women Program & Scheme.
- **Publisher:** Todays and Tomorrow Printers and Publishers, New Delhi.
- **Year:** 2024.
- **Type:** Book Chapter.

#### **Trainings/Refresher Courses**

- **Total:** 6 programs, including Training of Trainers, Faculty Development Programs, and workshops on Agripreneurship, Digital Pedagogy, and Technology Transfer.
- **Duration:** Ranging from 1 day to 1 month.
- **Role:** Participant.

#### **University Committees and Administrative Responsibilities**

- **Roles:** Member (Anti-ragging Committee, E-Cell, Organizing Committee for Agriculture Fair and University's First Convocation).

#### **Others**

- Research paper reviewer for *International Journal of Plant & Soil Science* and *Journal of Advances in Biology & Biotechnology*.

### **Ms. Shreyasi Das**

**Designation:** Assistant Professor

**Department:** Agronomy

#### **Radio/TV Talks**

- **Topics:** Papaya Cultivation, Onion Cultivation in Monsoon, Integrated Farming System.
- **Channel:** AIR-Santiniketan.
- **Dates:** 2023–2025.
- **Duration:** 30 minutes each.

#### **Awards and Recognitions**

- **Award:** CSIR Award for Best Poster Presentation.
- **Institution:** ICC-Indian Chamber of Commerce.
- **Year:** 2024.
- **Level:** International.

#### **University Committees and Administrative Responsibilities**

- **Role:** Member, Finance Committee for FEST-2023 and 2024.

### **Dr. Ramyajit Mondal**

**Designation:** Assistant Professor

**Department:** Agronomy

**Research Publications**

- **Total:** 12 peer-reviewed publications in journals such as *Journal of Food Legumes*, *International Journal of Bio-resource and Stress Management*, and *Indian Journal of Ecology*.
- **APA Citations** (selected):
  - Pratihar, D., Mondal, R., & Banerjee, S. (2023). Effect of foliar nutrition on growth and yield of green gram (*Vigna radiata* L.) in red and lateritic soils of West Bengal. *Journal of Food Legumes*, 36(1), 93-97.
  - Mondal, K., Jana, K., Saha, P., Paramanik, B., Mondal, R., Agrawal, R. K., Das, B., & Kundu, A. (2024). Effect of nitrogen fertilization integrated with bioproduct on productivity, profitability, and resource use efficiency of dual-purpose oats-residual green gram system. *Journal of Plant Nutrition*, 1-15.

#### Seminars/Conferences/Workshops

- **Total:** 4 events, including oral and poster presentations.
- **Examples:**
  - *2nd India Rice Congress 2023*: Extended summary on weed management in rice.

#### Invited Lectures/Resource Person

- **Total:** 3 lectures on crop yield improvement, pest management, and traditional knowledge systems.
- **Institutions:** Visva Bharati, Department of Agricultural Engineering.
- **Dates:** 2024–2025.

#### External Examiner

- **Courses:** Crop Production Technology-I & II, Biopesticides and Biofertilizers, Organic Production Technology.
- **Institution:** The Neotia University.
- **Years:** 2023–2025.

#### Question Paper Setter (External)

- **Courses:** Multiple agronomy-related courses.
- **Institutions:** The Neotia University, JIS University, Jharkhand Rai University, Visva-Bharati.
- **Years:** 2023–2024.

#### Radio/TV Talks

- **Topics:** Chickpea, Organic Manure, Mustard, Climate-Resilient Agriculture, Musur o Cholar Chas.
- **Channel:** Kishan Vani (FM 103.1).
- **Dates:** 2022–2024.
- **Duration:** 30 minutes each.

#### Society Membership

- **Society:** Indian Society of Pulse Research and Development.
- **Type:** Annual.
- **Membership No.:** ISPRD/AM-04/2025.

#### Projects Undertaken

- **Project:** Assessment of a novel organic manure.
- **Funding Agency:** Nature.
- **Role:** Co-PI.
- **Duration:** 1 year.
- **Amount:** ₹1,00,000.

#### Books/Book Chapters Published

- **Titles:** Gender Disparities in Agriculture, Integration of AI and IoT, Historical Evolution of Agricultural Extension Services.
- **Publisher:** Today & Tomorrow's Printers Publishers.
- **Year:** 2024.
- **Type:** Book Chapters.

#### **Trainings/Refresher Courses**

- **Total:** 4 programs, including Crop Biofortification, Emerging Trends in Science and Technology, and NEP 2020.
- **Duration:** 3–9 days.
- **Role:** Participant.

#### **University Committees and Administrative Responsibilities**

- **Roles:** Convener (IIC, Reception Committee), Member (Sports Committee, Farm Development Committee).

#### **Patents**

- **Titles:** Sound Bird Deterrent Device, Smart Nano-Fertilizer Dispensing Device, Electronic Tiller for Sowing and Planting Seeds.
- **Patent Nos.:** 429998-001, 441781-001, 443888-001.
- **Year:** 2024–2025.
- **Status:** Granted.

#### **Others**

- Paper reviewer for Taylor and Francis Journal.
- Submitted four papers to scientific journals.
- Attended Faculty Development Programme.

### **Dr. Mrinmoy Karmakar**

**Designation:** Assistant Professor

**Department:** Agronomy

#### **Research Publications**

- **Total:** 6 peer-reviewed publications in journals like *International Journal of Bio-resource and Stress Management* and *International Journal of Economic Plants*.
- **APA Citations** (selected):
  - Karmakar, M., Sarkar, N. C., Shivay, Y. S., & Pramanik, K. (2024). Effect of zinc application on growth, yield, zinc uptake, and zinc use indices of rice. *International Journal of Economic Plants*, 11(3), 247–257.

#### **Popular Articles**

- **Title:** Mati pariksha: Adhunik chase prathomik podokkhep.
- **Magazine:** Anandabazar Patrika.
- **Language:** Bengali.
- **Authors:** Dr. Mrinmoy Karmakar, Dr. Subrata Mandal.

#### **Seminars/Conferences/Workshops**

- **Total:** 2 events.
- **Examples:**
  - *7th International Symposium on Minor Fruits* (2024): Poster presenter on zinc application in greengram.
  - *Diet and Disease* (2023): Participant.

#### **Invited Lectures/Resource Person**

- **Title:** Nutrient Deficiency Symptoms in Plants and Their Management.
- **Event:** Diploma in Agricultural Extension Services.

- **Institution:** Rathindra KVK.
- **Date:** August 2023.

#### Radio/TV Talks

- **Topics:** AWD Paddhotite Dhan Chas, Manabdehe Biofortification.
- **Channel:** Kishanvani, Shantiniketan FM.
- **Dates:** 2024–2025.
- **Duration:** 30 minutes each.

#### Society Membership

- **Societies:** Indian Society of Agronomy, International Journal of Bio-resource and Stress Management, Society of Fertilizer and Environment, Indian Society of Soil Science.
- **Type:** Life and Annual Memberships.
- **Membership Nos.:** WB/2016/2888, IJBSM/LM/2016/20, SFE/2021/Members/206, M/K/551.

#### Books/Book Chapters Published

- **Titles:** Agronomic Biofortification of Zinc and Boron on Broccoli, Bio-Fortification: Improving Crop Nutritional Content.
- **Publishers:** B.P. International, Integrated Publication.
- **Year:** 2023.
- **Type:** Book Chapters.

#### Trainings/Refresher Courses

- **Total:** 2 programs on Crop Biofortification and Official Statistics.
- **Duration:** 1–3 days.
- **Role:** Participant.

#### University Committees and Administrative Responsibilities

- **Role:** Member, India Universities and Institutions Network for Disaster Risk Reduction.

### Dr. Suhita Pyne

**Designation:** Assistant Professor

**Department:** Agronomy

**Time Period:** 2 years, 7 months, 23 days

#### Research Publications

- **Total:** 8 peer-reviewed publications in journals like *Journal of Natural Fibers*, *Archives of Agronomy and Soil Science*, and *Biomass & Bioenergy*.
- **APA Citations** (selected):
  - Pyne, S., Negi, M. S., Mahapatra, B. S., Kumar, A., Dey, P., & Pandit, P. (2024). Hybrid modeling and management of lodging in subtropical fiber flax. *Journal of Natural Fibers*, 21(1), 2394139.
  - Pyne, S., Singh, G., Chandra, S., Bhatnagar, A., Raverkar, K. P., Chaturvedi, S., & Roy, A. (2023). Economic, water-saving, and energy-efficient crop establishment for wheat. *Archives of Agronomy and Soil Science*, 69(12), 2430-2442.

#### Invited Lectures/Resource Person

- **Title:** Identification of Nutrient and Physiological Disorders in Crops.
- **Event:** Training Programme under SC-Sub Plan of ICAR.
- **Institution:** Visva-Bharati.
- **Date:** April 2024.

#### Question Paper Setter (External)

- **Course:** Weed Management.

- **Institution:** JIS University.
- **Year:** 2024-25.

#### **Books/Book Chapters Published**

- **Titles:** Adapting Agriculture to a Changing Climate, Precision Agriculture.
- **Publishers:** S P Publication, IIP Series.
- **Year:** 2023–2024.
- **Type:** Book Chapters.

#### **Trainings/Refresher Courses**

- **Total:** 2 programs on Protected Agriculture and Agricultural Drainage.
- **Duration:** 6–7 days.
- **Role:** Participant.

#### **4.1.5.2. Department of Agricultural Economics**

**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.

Disciplines		Name of the Staff	Designation	Qualification
Agricultural Economics	1	Dr. Ranjan Kumar Biswas	Head & Associate Professor	M.Sc. (Ag.), Ph.D.
	2	Ms. Poushali Nag	Assistant Professor	M.Sc. (Ag), Ph.D. (Pursuing)
	3	Dr. Moupiya Roy	Assistant Professor	M.Sc. (Ag.), Ph.D.

#### **Ms. Poushali Nag**

**Designation:** Assistant Professor

**Department:** Agricultural Economics

**Time Period:** 3 years, 3 months (1184 days until 18.06.2025)

#### **Seminars/Conferences/Workshops**

- **Events:**
  - **Webinar on Women and IP: Accelerating Innovation and Creativity** (26 April 2023, Online): Participant.

#### **Trainings/Refresher Courses**

- **Titles:**
  - **FDP on Data Driven Research with Advanced Data Analysis Tool** (AIU - Academic & Administrative Development Centre and Association of Indian Universities, New Delhi, 20–26 September 2023, 7 days, Participant).

- **IP Awareness Training Program under National Intellectual Property Awareness Mission** (Intellectual Property Office & MoE's Innovation Cell, India, 31 January 2023, Participant).
- **FDP on Ideation, Orientation and Promotions to Create Start-ups and Entrepreneurial Ventures in the University** (Institution's Innovation Council (IIC), 13 March 2024, Participant).

### **Dr. Moupiya Roy**

**Designation: Assistant Professor**

**Department: Agricultural Statistics**

#### **Research Publications**

- **Total: 2 peer-reviewed publications in journals like *Journal of Crop and Weed*, *Agronomy*, and *Phyton*.**
- **APA Citations (selected):**
- Das, A., Murmu, K., Mitra, B., Bandopadhyay, P., Kundu, R., Roy, M., Alfarraj, S., Ansari, M.J., Brestic, M. and Hossain, A. (2024). Various Organic Nutrient Sources in Combinations with Inorganic Fertilizers Influence the Yield and Quality of Sweet Corn (*Zea mays L. saccharata*) in New Alluvial Soils of West Bengal, India. *Phyton*, 93(4), 763-776.
- Middy, M. M., Roy, M., Saha, A., Basak, J. S., & Majumder, A. (2023). Exploration and consequences of outlier on potato field crop through factorial experiment. *Journal of Crop and Weed*, 19(2), 57-62.

#### **External Examiner**

- Courses: M.Sc. (Ag) viva-voce for dissertation and B.Sc. project evaluation.
- Institution: RKMVERI.
- Year: 2023.

#### **Projects Undertaken**

- Project: Assessment of Carbon Sequestration Potential of Sundarban Mangrove Sediments.
- Funding Agency: Nature, Environment and Wildlife Society.
- Role: Co-Principal Investigator.
- Duration: 2 years (likely extended).
- Amount: ₹9,90,000.

#### **Trainings/Refresher Courses**

- Total: 7 programs, including R programming, statistical techniques, and NAAC accreditation.
- Duration: 1 day to 6 weeks.
- Role: Participant.

#### **University Committees and Administrative Responsibilities**

- Roles: Convener (NAAC Sub-committee-8), Member (NAD, IQAC, NIRF).

### **4.1.5.3. Department of Agricultural Extension**

#### **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.

Disciplines	Name of the Staff		Designation	Qualification
Agricultural Extension	1	Dr. Dibyendu Pal	Head & Assistant Professor	M.Sc. (Ag), Ph.D.
	2	Dr. Anannya Chakraborty	Assistant Professor	M.Sc. (Ag), Ph.D.
	3	Mr. Souradeep Chatterjee	Assistant Professor	M.Sc. (Ag)

## Dr. Dibyendu Pal

**Designation: Assistant Professor & HOD**

**Department: Agricultural Extension**

### Popular Articles

- Title: The Effectiveness of Blockchain Technology in Agriculture.
- Magazine: Agri Articles.
- Date: July-Aug 2024.
- Language: English.
- Authors: Abhirup Roy Chowdhury, Dibyendu Pal, Souradeep Chatterjee.

### Seminars/Conferences/Workshops

- Total: 2 events.
- Examples:

*4th International Conference (2023):* Presented paper on aromatic rice **External**

### Examiner

- adoption.
- *International Conference (2024):* Presented paper on farmer entrepreneurship.
- Courses: School Certificate Practical Examination, Entrepreneurship Development, NSS/NCC/Yoga.
- Institutions: Siksha Satra (Visva Bharati), Sister Nivedita University.
- Years: 2023–2024.

### Radio/TV Talks

- Topics: Dragon Fruit Cultivation, Onion Cultivation and Marketing.
- Channel: Prasar Bharati Akashvani.
- Dates: 2023–2024.
- Duration: 30 minutes each.

### Society Membership

- Societies: Indian Society of Agriculture and Horticulture Research Development, Indian Society of Agriculture Science and Technology Research.
- Type: Life Member.
- Membership Nos.: L-994, L-1021.

### Awards and Recognitions

- Awards: Best Extension Scientist Award, Best PhD Thesis Award.
- Institutions: Malla Reddy University, Guru Kashi University.
- Years: 2023, 2024.

### **Books/Book Chapters Published**

- Titles: Integration of AI and IoT, Gender Disparities, Empowering Women, Farmers Producer Organization, Agricultural Extension Services.
- Publisher: Today's and Tomorrow's Printers and Publishers.
- Year: 2024.
- Type: Book Chapters.

### **Trainings/Refresher Courses**

- Total: 17 programs, including climate-resilient agriculture, drone training, AI, and NAAC accreditation.
- Role: Participant.

### **Extension Activities**

- Activity: Chief Guest at Exposure Visit for DAESI Course.
- Venue: Seacom Skills University.
- Date: October 2023.
- Beneficiaries: 40.

### **University Committees and Administrative Responsibilities**

- Roles: Head (Agricultural Extension), RAWE Coordinator, Placement Coordinator, IQAC Member, Hostel Superintendent, Mentor Mentee Coordinator, Social Media Coordinator, Anti-Ragging Squad Member.

### **Mr. Souradeep Chatterjee**

**Designation:** Assistant Professor

**Department:** Agricultural Extension

### **Research Publications**

- **APA Citations:**
  - Biswas, S., Chatterjee, S., & Sengupta, M. (2024). Understanding farmers' perception on COVID-19 pandemic in relation to social and livelihood perspective: A study in Jhargram district of West Bengal. *International Journal of Creative Research Thoughts*, 12(5), 583-587.

### **Books/Book Chapters Published**

- **Titles:**
  - Historical Evolution of Agricultural Extension Services in India, Their Present Status, Institutional Innovations, and How Global Trends Influence the Future of Extension Services. *Today & Tomorrow's Printers and Publishers*, New Delhi, 2024, Book Chapter, pp. 21-39.
  - Integration of Advanced Technologies Like AI and IoT into Agricultural Extension. *Today & Tomorrow's Printers and Publishers*, New Delhi, 2024, Book Chapter, pp. 255-267.

### **External Examiner**

- **Course:** Agricultural Journalism
- **Institution:** The Neotia University
- **Semester/Year:** 6<sup>th</sup> Semester
- **Nature of Work:** Practical Exam

### **University Committees and Administrative Responsibilities**

- **Roles:**
  - Departmental Placement Coordinator
  - Joint RAWE Coordinator (Rural Agricultural Work Experience)
  - Member, IQAC (Internal Quality Assurance Cell)
  - Member, University Annual Report Publishing Committee
  - Member, University Website Revamp Committee
  - Member, Organizing Committee, Agriculture Fair Celebration:
  - Member, Institution Innovation Council
  - Member, University's First Convocation Organizing Committee
  - Member, University's ERP Implementation Committee

#### Others

- Provided guidance and mentorship to one M.Sc. (Ag) student, acting as chairman of the advisory committee and advising on thesis preparation.

#### 4.1.5.4. Department of Entomology

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

Disciplines		Name of the Staff	Designation	Qualification
Entomology	1	Dr. Sharmila Biswas	Head & Assistant Professor	M.Sc. (Ag), Ph.D.
	2	Mr. Manasij. Das	Assistant Professor	M.Sc. (Ag)

#### Dr.Sharmila Biswas

**Designation:** Assistant Professor

**Department:** Agricultural Entomology

#### Popular Articles

- **Title:** Bee Fencing - A New Technology to Prevent Elephants
- **Magazine:** Agri Gate Magazine
- **Date:** 2024
- **Language:** English
- **Authors:** Das, M., Biswas, S., & Chakraborty, S.
- **APA Citation:** Das, M., Biswas, S., & Chakraborty, S. (2024). Bee fencing - A new technology to prevent elephants. *Agri Gate Magazine*, 4(3), 311-317.

#### Seminars/Conferences/Workshops

- **Events:**
  - **Application of Advanced Artificial Intelligence (AI) Models for Insects and Disease Detection** (27.09.2023, Acharya N.G. Ranga Agricultural University): Webinar, Participant.

### External Examiner

- **Course:** Fundamentals of Agricultural Entomology
- **Institution:** Sister Nivedita University
- **Semester/Year:** 2nd Semester
- **Nature of Work:** Practical Exam

### Books/Book Chapters Published

- **Titles:**
  - **Effect of Nutrition Available in Plant on Insect Pest in Respect to Their Management** (*Emerging Trends in Agricultural Sciences*, P.K. Publishers & Distributors, ISBN: 978-81-19428-56-4, 2023, Book Chapter).

### Trainings/Refresher Courses

- **Titles:**
  - **Importance and Use of Statistical Analysis in Agriculture and Allied Fields** (Society of Krishi Vigyan, 14.10.2023–18.10.2023, 4 days, Participant).

### Others

- Participated in Faculty Development Programme on Ideation, Orientation, and Promotions to Create Start-ups and Entrepreneurial Ventures in the University, organized by Seacom Skills University on 13.04.2024.

## Mr. Manasij Das

**Designation:** Assistant Professor

**Department:** Agricultural Entomology

**Time Period:** 3 years, 11 months

### Research Publications

- **Total:** 2 peer-reviewed publications in *Agricultural Reviews*, and *Uttar Pradesh Journal of Zoology*.
- **APA Citations:**
  - Samanta, S., Senapati, S. K., Ganaie, M. H., Maji, A., Sarkar, S. K., Das, M., & Banerjee, S. (2024). Impact of climate change and global warming on crop pollinators and their mitigation strategies: A review. *Agricultural Reviews*, 4(1).
  - Samanta, S., Maji, A., Das, M., Banerjee, S., Bhattacharjee, A., Pal, N., Bhowmik, P., Banerjee, S., & Mukherjee, S. (2024). An updated integrated pest management system: A footprint for modern-day sustainable agricultural practices. *Uttar Pradesh Journal of Zoology*, 45(8).

### Popular Articles

- **Total:** 2 articles in *Agricos e Newsletter*, *Agrigate Magazine*, and *The Agriculture Magazine*.
- **APA Citations:**
  - Das, M., Biswas, S., & Chakraborty, S. (2024). Bee fencing - A new technology to prevent elephants. *Agrigate - An International Multidisciplinary e-Magazine*, 4(3).

- Das, M., Naan, T., & Samanta, S. (2024). Nano technology in pest management. *The Agriculture Magazine* (July).

#### **Seminars/Conferences/Workshops**

- **Events:**
  - **National Webinar on Application of Advanced Artificial Intelligence (AI) Models for Insects and Disease Detection** (27.09.2023, ANGRAU, Andhra Pradesh): Participant.
  - **International Conference on Advancement in Plant Health Research - Retrospect & Prospect** (07.12.2023, Visva-Bharati): Participant.

#### **Invited Lectures/Resource Person**

- **Title:** Management Techniques and Related Cautions for Rural Beekeeping
- **Event:** Training Programme on Alternative Livelihood Generation Venture through Rural Entrepreneurship on Apiculture under National Honey Bee Mission
- **Host Institution:** Dhanyaganga Krishi Vigyan Kendra, Sargachhi, Murshidabad, WB
- **Date:** 25.11.2023

#### **External Examiner**

- **Course:** B.Sc. (Ag) Hons.
- **Institution:** The Neotia University
- **Semester/Year:** 2nd, 5th, 6th, 8th Semesters (2023–2024)
- **Nature of Work:** Practical Viva-voce, ELP Viva-voce

#### **Question Paper Setter (External)**

- **Courses:**
  - Fundamentals of Agricultural Entomology (AEN 154, 2nd Semester, 2023)
  - Chemistry of Pesticides (EC 262, 4th Semester, 2024)
  - Non-insect Pests of Crops and Their Management (EC 364, 6th Semester, 2024)
  - Fundamentals of Entomology (AEN 104, 2nd Semester, 2024)
  - Crop Protection Chemicals and Their Applications (ACH 208, 3rd Semester, 2024)
- **Institution:** JIS University, Kalyani; Sister Nivedita University, Tripura

#### **Radio/TV Talks**

- **Topics:**
  - Beekeeping as an Alternative Source of Income for Farmers (17.01.2023, 30 minutes)
  - Integrated Insect Pest Management of Summer Vegetables (27.06.2023, 30 minutes)
  - Management of Pests & Diseases of Winter Vegetables (30.12.2023, 30 minutes)
- **Channel:** Akashvani: Kishan Vani Live Phone-in Programme

#### **Society Membership**

- **Societies:**
  - Indian Society of Agriculture & Horticulture Research and Development (ISAHRD, Life-time, ISAHRD/6061)

- Indian Society of Agriculture Science & Technology Research (ISASTR, Life-time, L/4063)

#### **Awards and Recognitions**

- **Awards:**
  - Young Entomologist Award (Malla Reddy University, Hyderabad, 2023, National)
  - Best M.Sc. Thesis Award (Guru Kashi University, Punjab, 2024, National)

#### **Books/Book Chapters Published**

- **Titles:**
  - **Effect of Nutrition Available in Plant on Insect Pest in Respect to Their Management** (P.K. Publishers & Distributors, ISBN: 978-81-19428-56-4, 2023, First Author/Book Chapter)

#### **Trainings/Refresher Courses**

- **Titles:**
  - **National Training on Beneficial Insect of Apiculture, Sericulture & Lac Culture** (SKUAST, Jammu, 24.04.2024–26.04.2024, 3 days, Participant)
  - **Summer School International Training Programme** (Sri Konda Laxman Telangana State Horticultural University, 15.07.2024–15.08.2024, 30 days, Organizing Secretary)

#### **Extension Activities**

- **Activities:**
  - **Leaflet: Beekeeping: Scientific Methods & Economic Importance** (Seacom Skills University, 23.12.2023, 100 beneficiaries)

#### **University Committees and Administrative Responsibilities**

- **Role:** Convenor, University Cultural Committee
- **Duration:** 2022–present

#### **Others**

- Participated in Faculty Development Programme on Ideation, Orientation, and Promotions to Create Start-ups and Entrepreneurial Ventures in the University, organized by Seacom Skills University on 13.04.2024.
- Supervised one M.Sc. student (Mr. Suvankar Mondal) in Agricultural Entomology (2024).

#### **4.1.5.5. Department of Genetics & Plant Breeding**

**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.

Disciplines	Name of the Staff	Designation	Qualification
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<b>Genetics &amp; Plant Breeding</b>	1	Dr. Arup Kumar Saha	Head & Assistant Professor	M.Sc. (Ag), Ph.D.
	2	Mr. Snehasish Karmakar	Assistant Professor	M. Sc. (Ag), Ph.D. (Pursuing)

### **Dr. Arup Kr Saha**

**Designation:** Assistant Professor

**Department:** Genetics & Plant Breeding

### **Popular Articles**

- **Total:** 2 articles in *Agriculture & Food: E-newsletter* and *Just Agriculture*.
- **APA Citations:**
  - Saha, A. K., Mondal, S., & Das, D. (2023). Use of transgenic crops in modern era. *Agriculture & Food: E-newsletter*, 10(5), 165-167.
  - Saha, A. K., Das, D., & Mondal, S. (2023). Arsenic, a threat to people consuming food-crops cultivated in contaminated soil and its phytoremediation. *Just Agriculture* (December).

### **External Examiner**

- **Courses:**
  - Fundamentals of Genetics (2nd Semester, Practical Exam & Viva-voce)
  - Crop Improvement–II (Rabi Crops) (6th Semester, Practical Exam & Viva-voce)
  - Principles of Seed Technology (4th Semester, Practical Exam & Viva-voce)
- **Institution:** The Neotia University, Sarisa
- **Semester/Year:** 2023–2024

### **Radio/TV Talks**

- **Topics:**
  - Relay Cropping (13/04/2023, 30 minutes)
  - Seed Production (24/08/2023, 30 minutes)
- **Channel:** Akashvani Shantiniketan

### **University Committees and Administrative Responsibilities**

- **Role:** Member, Games & Sports Committee
- **Duration:** 2024–2025

#### **4.1.5.6. Department of Horticulture**

**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.

Disciplines	Name of the Staff	Designation	Qualification
Horticulture	1	Mr. Sangeet Chhetri	Head & Assistant Professor M.Sc. (Hort.), Ph.D. (Pursuing)
	2	Dr. Adarsh Thapa	Assistant Professor M.Sc. (Hort.) Ph.D.
	3	Mr. Abid Hayat	Assistant Professor M.Sc. (Hort.), Ph.D. (Pursuing)

### Sangeet Chhetri

**Designation: Assistant Professor & HOD**

**Department: Horticulture**

#### Research Publications

- **APA Citations :**
  - Maibam, M., Subba, S., Chhetri, S., Majhi, D., & Lepcha, L. (2024). Effect of micronutrient on quality, yield, and shelf life of mango (*Mangifera indica* L.) cv. Himsagar. *Progressive Horticulture*, 56(2).
  - Chhetri, S., Subba, S., Sherpa, N. T., Roy, K., & Thapa, A. (2023). Mallero (*Elaegnus latifolia* L.): A potential minor fruit of Darjeeling and Kalimpong hills. *International Journal of Minor Fruits, Medicinal and Aromatic Plants*, 9(2).

#### Popular Articles

- **APA Citations:**
  - Chhetri, S. (2023). Shortest flowering duration in dragon fruit (*Hylocereus costaricensis*) cv. Royal Moroccan Red. *Agri-India Today*.

#### Seminars/Conferences/Workshops

- Total: 10 events, including paper presentations and participation.
- Examples:
  - *International Symposium on Minor Fruits* (2024): Presented paper on underutilized fruit crops.
  - *International Seminar on Agriskills* (2019): Presented paper on mango hybrids.

#### Trainings/Refresher Courses

- Total: 2 programs on Agriculture 5.0 and International Agriculture Winter School.
- Duration: 15–30 days.
- Role: Participant.

#### Extension Activities

- None listed.

### **University Committees and Administrative Responsibilities**

- Roles: Member (Examination Committee, Cultural Committee, Apex Committee-IIC).
- Duration: Ongoing.

### **Innovations/Best Practices**

- Description: Shortest flowering duration in dragon fruit.
- Purpose: Optimize pollination and production cycles.
- Outcome: Improved yield predictability and cultivation strategies.

## **Dr. Adarsh Thapa**

**Designation:** Assistant Professor

**Department:** Horticulture

### **Research Publications**

- APA Citations :
  - Thapa, A., Choudhuri, P., Golay, S., & Golay, S. (2023). Intercropping for nutrient retention in garlic. *Journal of Plant Nutrition*.

### **Popular Articles**

- Title: Siltimur: An Underutilized Spice Crop.
- Magazine: Agri-India Today.
- Year: 2023.
- Language: English.
- Author: Adarsh Thapa.

### **Awards and Recognitions**

- Award: Best Faculty Award.
- Institution: G.D Goenka University.
- Year: 2024.
- Level: National.

### **Trainings/Refresher Courses**

- Total: 2 programs on smart farming and agriculture winter school.
- Duration: 15–30 days.
- Role: Participant.

### **University Committees and Administrative Responsibilities**

- Role: Member, Students Wellness Centre Working Committee.
- Duration: Ongoing.

### **Innovations/Best Practices**

- Description: Horticultural Crop Cafeteria.
- Purpose: Demonstration, learning, and research.
- Outcome: Identification of superior varieties and promotion of biodiversity.

## **1. Dr. Abid Hayat**

**Designation:** Assistant Professor

**Department:** Horticulture

### **External Examiner**

- Courses:
  - B.Voc (The Neotia University, 1st Semester, Examiner).

- B.Sc (Hons) Agriculture (The Neotia University, 1st and 6th Semesters, Examiner).

#### Question Paper Setter (External)

- **Courses:**
  - Post Harvest Management of Fruits and Vegetable Crops (The Neotia University, 6th Semester, 2023).
  - Fundamental of Horticultural Crops (The Neotia University, 1st Semester, 2024).
  - Food Science and Nutrition (JIS University, 6th Semester, 2024).

#### Radio/TV Talks

- **Topics:**
  - Borshakale Sobji o Fol Chas (11.06.2025, 30 minutes).
  - Sabji Bagan Toiri (14.09.2024, 30 minutes).
  - Fol o Sobji Prokriyakoron (09.05.2023, 30 minutes).
- **Channel:** Akashvani Santiniketan.

#### University Committees and Administrative Responsibilities

- **Roles:**
  - Member, Examination Team (2023–24).
  - Member, IQAC (2024).
  - Member, NAAC Committee (2024).
  - Member, Anti Ragging Squad (2023–24)
  - Member, SSU Sports Committee (2023–24)

#### 4.1.5.7. Department of Soil Science and Agricultural Chemistry

**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.

Disciplines		Name of the Staff	Designation	Qualification
Soil Science and Agricultural Chemistry	1	Prof. (Dr.) Prabir Mukhopadhyay	Professor	M.Sc. (Ag), Ph.D.
	2	Prof. (Dr.) G.N. Chattopadhyay	Professor	M.Sc. (Ag), Ph.D.
	3	Dr. Shreya Mondal	Head & Assistant Professor	M.Sc. (Ag)
	4	Mr. Prodipto Sow	Assistant Professor	M.Sc. (Ag)
	5	Mrs. Nandini Roy	Assistant Professor	M.Sc. (Ag)

## Dr. Shreya Mondal

**Designation:** Assistant Professor

**Department:** Soil Science and Agricultural Chemistry

### Research Publications

- **APA Citations:**

- Mondal, S., & Ghosh, G. K. (2023). Effect of zinc and boron on yield quality and nutritional value of broccoli head (*Brassica oleracea* var. *italica*) with different application methods in red and lateritic soils of Birbhum district, India. *International Journal of Plant and Soil Science*, 35(18), 1132-1141.
- Mondal, S., & Ghosh, G. K. (2023). Effect of zinc and boron on growth, yield and quality of tomato (*Lycopersicon esculentum*) with different application methods in Alfisols. *The Pharma Innovation*, 12(7), 896-902.

### Popular Articles

- **Total:** 2 articles in *Agriculture & Food: E-newsletter*.

- **APA Citations:**

- Saha, A. K., Mondal, S., & Das, D. (2023). Use of transgenic crops in modern era. *Agriculture & Food: E-newsletter*, 10(5), 165-167.
- Saha, A. K., Das, D., & Mondal, S. (2023). Arsenic: A threat to people consuming food-crops cultivated in contaminated soil and its phytoremediation. *Agriculture & Food: E-newsletter*, 5(3), 7-11.

### Seminars/Conferences/Workshops

- **Event:** 87th ISSS Annual Convention
  - **Date:** 2023
  - **Venue:** Bhopal
  - **Role:** Poster Presentation
  - **Title of Paper:** Vertical distribution of soil acidity components and its correlation with soil physico-chemical properties in parts of Birbhum district (West Bengal).

### Question Paper Setter (External)

- **Course:** Agricultural Microbiology
- **Institution:** JIS University
- **Semester:** 4th
- **Year:** 2024

### Radio/TV Talks

- **Topic:** Importance of Soil Test in Retaining Soil Health and Soil Health Card Scheme
- **Channel:** Akashvani Santiniketan
- **Date:** May 2024
- **Duration:** 30 minutes

### Society Membership

- **Society:** Indian Society of Soil Science
- **Type:** Annual Membership
- **Membership No.:** M/M/692

### Projects Undertaken

- **Project:** Assessment of the efficiency of a bio-stimulant (Krish Tee) in increasing aquatic productivity
- **Funding Agency:** Krishi Rasayan Pvt. Ltd., Kolkata
- **Role:** Co-Principal Investigator
- **Duration:** 2 years
- **Amount:** ₹2,20,000

### Books/Book Chapters Published

- **Title:** Agronomic Biofortification of Zinc and Boron on Broccoli in Red and Lateritic Soils of India
- **Publisher:** B P International
- **ISBN:** 978-81-19761-21-0
- **Year:** 2023
- **Type:** Book Chapter

### Others

- Participated in Faculty Development Programme on Ideation, Orientation, and Promotions to Create Start-ups and Entrepreneurial Ventures in the University, organized by Seacom Skills University's Institution's Innovation Council (IIC) on 13th March 2024.

## Mr. Prodipto Sow

**Designation:** Assistant Professor

**Department:** Soil Science and Agricultural Chemistry

### Research Articles

- **APA Citations:**
  - Roy, N., Sinha, A. K., Padbhushan, R., Mukhopadhyay, P., & Sow, P. (2023). Long-term influence of crop residue management and tillage practices on distribution of C and N within aggregate size fractions in alluvial soils. *International Journal of Plant & Soil Science*, 35(19).

### Popular Articles

- **APA Citations:**
  - Saha, S., Verma, B. C., Sow, P., Bhaduri, D., & Prasad, S. M. (2023). Nano-fertilizer-Way towards efficient crop nutrition. *Chronicle of Bioresource Management*.

### Seminars/Conferences/Workshops

- Total: 1 event.
- Example: *Ideation, Orientation and Promotions to Create Start-ups* (2024): Participant.
- Total: 1 program on Ideation and Start-ups.
- Duration: 1 day.
- Role: Participant.

### Projects Undertaken

- **Project:** Assessment of carbon sequestration potential of Sundarban Mangrove sediments
- **Funding Agency:** Nature, Environment and Wildlife Society, Kolkata
- **Role:** Co-Principal Investigator
- **Duration:** 2 years (likely to be extended)
- **Amount:** ₹9,90,000

**Others**

- Supervised one M.Sc. student (2024).

**4.1.5.8. Department of Plant Pathology**

**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.

Disciplines	Name of the Staff		Designation	Qualification
<b>Genetics &amp; Plant Breeding</b>	1	Dr. Swati Chakraborty	Head & Assistant Professor	M.Sc. (Ag), Ph.D.
	2	Prof. (Dr.) N.C. Mandal	Professor	M.Sc. (Ag), Ph.D.

**4.1.5.9. Section- Animal Sciences**

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

Disciplines	Name of the Staff		Designation	Qualification
<b>Animal Sciences</b>	1	Prof. (Dr.) S. Pan	Professor	Ph.D.

**4.1.5.10. Section- Agricultural Engineering**

**Agricultural 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.

Disciplines	Name of the Staff	Designation	Qualification
Agricultural Engineering	1 Er. Arup Mondal	Head & Assistant Professor	M. Tech

### Er. Arup Mondal

**Designation:** Assistant Professor

**Department:** Agricultural Engineering

**Trainings/Refresher Courses**

- **Titles:**
  - **Innovation in Recent Trends and Research Applications on Computing and Informatics** (Haldia Institute of Technology, 29 July–2 August 2024, 5 days, Participant).
  - **Ideation, Orientation and Promotions to Create Start-ups and Entrepreneurial Ventures in the University** (Seacom Skills University, 13 March 2024, 1 day, Participant).
  - **Emerging Trends in Science and Technology from Academia to Industry (ETSTAI,24)** (B.C Roy Engineering College, Durgapur, 19–23 March 2024, 3 days, Participant).
  - **OBENEP24** (Haldia Institute of Technology, 22–26 July 2024, 5 days, Participant).
  - **Recent Advances and Future Trends in AI and NLP** (Global Institute of Science and Technology, 15–19 April 2024, 5 days, Participant).
  - **SAMBHAV** (NIFTEM-K, 28 March 2024, 1 day, Participant).

#### 4.1.5.11. Section- Biochemistry and Crop Physiology

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

Disciplines	Name of the Staff	Designation	Qualification
Biochemistry and Crop Physiology	1 Ms. Debjani Dutta	Head & Assistant Professor	M.Sc. (Ag)

#### 4.1.6. Non-Teaching Staff of School of Agriculture, Seacom Skills University

Name	Designation	Department/Section
Asif Iqbal	Lab Assistant	Plant Biochemistry
Ayan Pal	Field cum Lab Assistant	Agricultural Entomology
Anirban Kundu	Field cum Lab Assistant	Horticulture
Arpan Mondal	Field cum Lab Assistant	Agronomy
Debrup Chakraborty	Field cum Lab Assistant	Agricultural Engineering
Kuntal Chakraborty	Field cum Lab Assistant	Agricultural Plant Pathology
Kalyan Samanta	Field cum Lab Assistant	Soil Science & Agricultural Chemistry
Khan Firdous Parvez	Field cum Lab Assistant	Genetics and Plant Breeding
Samim Mallick	Field cum Lab Assistant	Agronomy

#### 4.1.7. Research

##### 4.1.7.1. Research Focus

Situated within a region characterized by red and lateritic soils, the School of Agriculture recognizes the imperative to address the challenges associated with these soils, which hinder agricultural productivity. Our research endeavors are aimed at identifying key soil-related constraints and devising strategies to enhance productivity in these areas. This initiative not only benefits local farmers but also serves the broader population reliant on these prevalent soil types.

##### 4.1.7.2. Research Initiatives:

**1. Pulse Crop Production:** Despite high demand, pulse crop production in West Bengal remains low. We are actively exploring the feasibility of cultivating pulses in upland areas with red and lateritic soils, where traditional rice cultivation yields suboptimal results. Our studies indicate that slightly delayed sowing of black gram and optimized phosphorus fertilization significantly improve yield potentials in these soils.

**2. Organic Manure Utilization:** Given the deficiency of organic matter in red and lateritic soils, we emphasize the importance of organic manure for soil health and productivity. To address the diminishing availability of traditional organic sources, we are investigating the production and utilization of vermi-compost from various agricultural waste materials.

**3. Floriculture Development:** Recognizing the untapped potential for floriculture in the region, we have initiated pilot studies on commercial flower cultivation, focusing on economically viable crops such as marigold, gladiolus, and dahlia. Initial results

demonstrate promising yields comparable to those in similar soil conditions elsewhere in the country.

**4. Dragon Fruit Cultivation:** With the rising popularity of dragon fruit as a commercial crop, we are conducting a study on its cultivation in red and lateritic soil belts under an integrated nutrient management system. This research aims to provide valuable insights into the performance and potential of dragon fruit in these soils.

**5. Year-round Mushroom Cultivation:** Addressing the seasonal constraints of mushroom cultivation, we are developing a program for year-round cultivation of Oyster mushroom (*Pleurotus sajor-caju*). Success in this endeavor would enable local communities to engage in commercial mushroom cultivation throughout the year, catering to the steady demand for this nutritious food.

Through these research and development activities, the School of Agriculture is dedicated to enhancing agricultural productivity, promoting sustainable practices, and empowering local communities in red and lateritic soil regions.

The M.Sc. research program at Seacom Skills University began in 2020 and is currently flourishing with greater growth across a variety of subjects. In this year, fifteen research scholars have successfully completed their dissertation work under different subjects viz. Agronomy (8), Agricultural Extension (2), Horticulture (1), Genetics and Plant Breeding (1), Agricultural Entomology (1) and Plant Pathology (2).

In Agronomy, the research works mainly concentrated around zero till system, biofortification, nutrient and water management of different crops during rabi and summer season such as maize, rice, wheat and green gram. The main thrust area of Agricultural Extension research was on rural development concerning ATMA project and modern agriculture in tribal areas in this district. The study in horticulture was primarily concerned with the organically growing of African marigold, a significant flower in West Bengal. In Genetics and Plant Breeding, the investigation was mainly focused on identifying lentil genotypes which were tolerant to pulse beetle, a notorious storage pest. The main focus of the Agricultural Entomology was how effective different insecticides were in controlling the main pests of green grams in this area. Whereas, molecular research of different pathogens regarding lentil and different fruits and vegetables was the main objective of the Plant Pathology study.

These research works are very much relevant to the problems that are faced by farmers of Birbhum district and can be recommended to overcome the difficulties and will help to generate better remuneration under changing climatic conditions.

#### 4.1.8. M.Sc (Ag). Degree Recipients and Their Thesis Titles (Year 2023–24)







Name of the student	Name of Guide	Title of Thesis
<b>Agromony</b>		
<b>BARNAMOY MONDAL</b>	PROF. (DR.) A.L. KUNDU	EFFECT OF SPACE MANAGEMENT ON THE YIELD OF MAIZE ( <i>Zea mays</i> L.) AND GREEN GRAM ( <i>Vigna radiata</i> L.) IN THEIR INTERCROPPING

<b>RAJKISHORE DAS</b>	<b>DR. MRINMOY KARMAKAR</b>	<b>AGRONOMIC BIOFORTIFICATION OF ZINC IN GREEN GRAM [<i>Vigna radiata</i> (L.) Wilczek] THROUGH DIFFERENT DOSES AND APPLICATION METHODS</b>
<b>SUCHITA MAITY</b>	<b>DR. RAMYAJIT MONDAL</b>	<b>EFFECT OF ROOT DIPPING WITH BIOFERTILIZER AND ZINC FOLIAR SPRAY ON GROWTH AND YIELD OF BORO RICE (<i>Oryza sativa</i> L.)</b>
<b>BINAY NANDI</b>	<b>DR. SUHITA PYNE</b>	<b>Application of Biofertilizer along with Foliar Spray of NPK, Zn and Mg for Efficient Nutrient Management in boro Rice (<i>Oryza sativa</i> L.)</b>
<b>ARDHENDU BANERJEE</b>	<b>DR. RAMYAJIT MONDAL</b>	<b>EFFECT OF RICE STRAW MULCH, COWPEA RESIDUE, BIOFERTILIZER AND ZINC FOLIAR SPRAY ON GROWTH AND YIELD OF RICE IN RICE-COWPEA-RICE CROPPING SYSTEM</b>
<b>DEBAJYOTI ACHARJEE</b>	<b>PROF. (DR.) A.L. KUNDU</b>	<b><i>NUTRIENT MANAGEMENT IN WHEAT (Triticum aestivum L.) KEEPING SOIL HEALTH IN VIEW</i></b>
<b>SAYAN KHAN</b>	<b>MS. SHREYASI DAS</b>	<b>EFFECT OF DIFFERENT DOSES AND DIFFERENT APPLICATION METHODS OF BORON IN GREEN GRAM (<i>Vigna radiata</i> L. Wilczek)</b>
<b>MILAN PATRA</b>	<b>DR. SUBHAJIT BANERJEE</b>	<b>EFFECT OF RICE STRAW MULCH, ZINC AND BIOFERTILIZER ON GROWTH AND YIELD OF WINTER MAIZE UNDER DIFFERENT TILLAGE PRACTICES IN RED AND LATERITIC SOILS OF WEST BENGAL</b>
<b>Agricultural Extension</b>		
<b>AYANTIKA GUHA</b>	<b>DR. DIBYENDU PAL</b>	<b>Examining the Impact and Constraints: A Study on the Implementation of Agricultural Technology Management Agency (ATMA) in Selected Sectors of Birbhum District</b>
<b>JESMIN ABEDIN</b>	<b>DR. ANANNYA CHAKRABORTY</b>	<b>OCCUPATIONAL HAZARDS vs MODERNIZATION OF AGRICULTURE: A HOLISTIC STUDY ON THE TRIBAL FARM WOMEN OF BIRBHUM, WEST BENGAL</b>
<b>Horticulture</b>		
<b>ROHAN KUNDU</b>	<b>DR. ADARSH THAPA</b>	<b>EFFECT OF ORGANIC NUTRIENT SOURCES ON GROWTH, PRODUCTION AND FLOWER QUALITY OF AFRICAN MARIGOLD (<i>Tagetes erecta</i> L.) UNDER RED LATERITIC SOIL OF WEST BENGAL</b>
<b>Genetics and Plant Breeding</b>		






<b>PUNYABRATA DEY</b>	<b>DR. ARUP KUMAR SAHA</b>	Identification of Lentil Genotypes Tolerant to Bruchid ( <i>Callosobruchus chinensis</i> L.) and its Biochemical Analysis
<b>Agricultural Entomology</b>		
<b>SUVANKAR MANDAL</b>	<b>MR. MANASIJ DAS</b>	Population dynamics and Bioefficacy of different Insecticides against Major Pests Complex of Green Gram ( <i>Vigna radiata</i> (L.) Wilczek) at Birbhum District of West Bengal
<b>Plant Pathology</b>		
<b>RAHUL MONDAL</b>	<b>PROF. (DR.) N.C. MONDAL</b>	BLAPTOLOGY AND THE CAUSES OF FRUITS AND VEGETABLES IN RURAL AND URBAN MARKETS OF AGRO-CLIMATIC ZONE III (WEST BENGAL)
<b>KAMRUL HASAN</b>	<b>DR. SWATI CHAKRABORTY</b>	Morpho-Molecular and Pathogenic Characterization of <i>Sclerotium rolfsii</i> Sacc, causing Collar Rot of Lentil ( <i>Lens culinaris</i> Medik)

#### 4.1.9. Achievements and Student Placements – School of Agriculture

Sl No	Candidate Name	Registration No	Position	Organization Name	Candidate Photo
1	Arijit Mondal	20112100890605	Research Officer	<b>GMS Agritech Pvt. Ltd.</b>	
2	Sayan Maity	1911208081141	Junior Plant Breeder	<b>Rimoli seed and Biochem Pvt Ltd</b>	

3	Sudip Mondal	1911208081197	Market Development Officer	Rimoli seed and Biochem Pvt Ltd	
4	Muktar Hussain	1911208081177	Marketing Manager	Hariyal Agro Pvt Ltd	
5	Rubel Alam	1911208081178	Territory Ignition Officer	Krishi Rasayan Life Science Pvt. Ltd.	
6	Tanmay Haldar	1911208081190	Territory Ignition Officer	Krishi Rasayan Life Science Pvt. Ltd.	
7	Sayan Bera	19112028081148	Territory Ignition Officer	Krishi Rasayan Life Science Pvt. Ltd.	
8	Bandita Barman	19112028081237	Territory Ignition Officer	Krishi Rasayan Life Science Pvt. Ltd.	

9	Sulagna Chakrabarty	19112028081254	Territory Ignition Officer	<b>Krishi Rasayan Life Science Pvt. Ltd.</b>	
10	Suleman Mondal	1911208081179	Sales Officer	<b>Mali Seed Pvt. Ltd.</b>	
11	Mustafizur Rahaman	1911208081183	Sales Officer	<b>Mali Seed Pvt. Ltd.</b>	
12	Masudur Rahman	1911208081169	Sales Officer	<b>Lila Agro-Tech Pvt. Ltd.</b>	
13	Rakibul Islam	1911208081259	Sales Officer	<b>Lila Agro-Tech Pvt. Ltd.</b>	
14	Subhankar Konar	1911208081553	Sales Officer	<b>Punam Energy Pvt. Ltd. (ONergy)</b>	

15	Abhijit Kundu	1911208081137	Project Associate	<b>Rural Immersion Pvt. Ltd.</b>	
16	Tuhin Santra	1911208081149	Consultant	<b>Parekh Integrated Services Pvt. Ltd.</b>	
17	Sourav Adya	20112101060604	Sr. Field Officer (Sales & Marketing)	<b>Punam Energy Pvt. Ltd. (ONergy)</b>	
18	Rupam Sarkar	20112101070762	Executive Assistant	<b>Axix Bank</b>	
19	Dhananjoy Pratihar	20112100890607	Consultant	<b>Parekh Integrated Services Pvt. Ltd.</b>	

#### 4.1.10. Celebrations of School of Agriculture

##### 4.1.10.1. Celebration of National Farmers Day (Agriculture Fair and farmer-scientist meet)

National Farmers Day also known as Kisan Divas is celebrated on 23<sup>rd</sup> December, marks the birth anniversary of Chaudhary Charan Singh, the fifth Prime Minister of India and a farmer's leader to acknowledge the efforts of the Indian farmers. On this occasion, School of Agriculture under Seacom Skills University organised a 3-day programme of



“Agriculture fair, Seminar, Exhibition and Farmers training” from 21<sup>st</sup> December-23<sup>rd</sup>

December, 2023 to acquaint the farmers of this region with advanced technologies of modern agriculture for sustainable production and improved productivity.



The programme was formally inaugurated by our Chief Guest Dr.

Pradip Dey, Director of ICAR-

ATARI, Zone V, Kolkata, Guest of Honour, Shri Shibnath Ghosh, Deputy Director of Agriculture (Amin.), Birbhum, West Bengal and Special Guest Dr. Suphal Chandra Mondal, Deputy Director of Horticulture (Amin.), Birbhum, West Bengal along with Vice-Chancellor of Seacom Skills University, Prof. (Dr.) Prabir Mukhopadhyay and president of the organizing committee, Emeritus Professor Dr. G. N. Chattopadhyay. This event was attended by various Krishi Vikas Kendra’s like Rathindra KVK (Bolpur), Dhaanyaganga KVK (Murshidabad), Coochbehar, Malda, Kalimpong, North and South

Dinajpur, more than 100 practising farmers, farm women and rural youth, different entrepreneurs of agriculture sector, all students and faculties of Seacom Skills University. After inaugural session, lectures were delivered by our Chief guest, guest of honour and special guest on improved agricultural practices. This event was followed by grand opening of exhibition ground by



our Chief Guest Dr. Pradip Dey, Director of ICAR- ATARI, Zone V, Kolkata and marked this auspicious moment with ribbon cutting ceremony and graceful folk dance by local ‘Santhal’ tribes of Birbhum district (West Bengal) which added immense vibrance and energy to the programme.

The exhibition included various products starting from Agricultural Equipment & Machinery, Farm Implements, Seeds & Planting Material, Fertilizers, Pesticides, Horticulture, Aquaculture, Agro-Forestry, Organic Farming, Agro-Processing & Packaging, Agri Business Services, Terracotta and black pottery, Farmer Produce Company. Apart from this, different KVKs and ADA office (“Krishi daftar”) had stalls in exhibition ground. Five KVKs under UBKV namely Coochbehar, Malda, Kalimpong, Northa and South Dinajpur displayed significant rice varieties from north Bengal (like tulaipanji, tulsu bhog etc.), honey, different mushroom products (dried mushroom, pickles, noodles, mushroom powder), different pulse and millet post-harvest products (like pasta, noodles, papad, dalia etc.), biofertilizer formulations and varieties of succulent plants from Kalimpong for both exhibition and sale. Dhaanyaganga KVK of Sargachi (Murshidabad) had different types of honey extracted from the forests of Sundarban (West Bengal), Ornamental fish, different types of rice germplasm, biopesticide and biofertilizer formulations (*Trichoderma viride*) and various types of jute and khadi products. Rathindra KVK exhibited different types of improved high yielding variety seeds of different crops, biopesticides and biofertilizers and gave away leaflets on improved agricultural technologies to enhance knowledge of farmers.

Also, School of Agriculture exhibited their very own cultivated mushrooms and extracted honey from Mushroom and Apiary unit and also gave away farm publications like leaflets, folders and small journals on modern cultivation



techniques, dragon fruit cultivation, awareness about problematic soils, mushroom and apiculture etc. The stalls also exhibited best farm produce by the invited farmers and a competition is organized to felicitate the farmers for exhibition of the best crop produce. The UG students of agriculture displayed 3-D models of different farming system for enhancing knowledge and awareness in both farmers and commoners. Other than this, different departments (viz. Pharmacy, Arts, Law, Engineering etc.) of Seacom Skills University also participated in this exhibition and had stalls for free health check-ups, Law consultancy, sale of different wooden, pottery and clothing materials etc. The exhibition ground was open for all three days from 12pm-5pm.

On day 2, Interactive sessions were well organized between Scientist/technologist and farmers on improved package of practices in crop production system in the auditorium hall of SSU and the panel consisted of experts from Dhaanyaganga KVK and faculties of different disciplines of School of Agriculture to address the queries of the farmers. Around 100 farmers, participated in this interactive session and found it extremely useful with all their concerns in farming.

On the last day, 3 successful agri-entrepreneur and progressive farmers were felicitated by our Chief Guest Dr. Gopi Nath Ghosh to embark the auspicious day of “Kisan Diwas” and inspiring other farmers to adapt modern agricultural technologies to boost production and efficiency. Overall, the event was highly successful and widely appreciated by all the dignitaries and farmers. The programme ended with a hope that such Krishi mela will be organized every year with representation of all stakeholders.

## 4.2. School of Bio-Science

Bio sciences encompass a broad field dedicated to the study of living organisms and life processes—from microscopic bacteria to complex human beings and entire ecosystems. The primary goal is to understand how living things function, interact, grow, evolve, and adapt to their environments. Interestingly, the term biology serves as an umbrella for many specialized disciplines such as Botany, Zoology, Microbiology, Biotechnology, Biochemistry, Food & Nutrition, and Fisheries Science, among others. Biology extends beyond the classroom. It deepens our understanding of the living world and informs us about pressing global issues like climate change, environmental pollution, genetically modified organisms, endangered species, agricultural advancements, and public health. As with any scientific discipline, biology nurtures logical and critical thinking, empowering individuals to make informed decisions based on evidence and observation. Notably, the Department of Biochemistry was introduced to the School of Bioscience in the academic session 2023–24, further enriching the academic offerings and research potential. The Curriculum and Credit Framework for the Undergraduate Programme under NEP 2020 has been adopted starting from the academic session 2023–24.

### **Vision:**

Guided by our mission and rooted in our values, we envision a Biology Department where:

- All members feel safe, welcomed, and valued;
- Our diversity mirrors that of the broader society;
- Efforts in diversity, equity, and inclusion are recognized and respected;
- Everyone has access to the resources, information, and training necessary to achieve our shared goals in equity and inclusion.

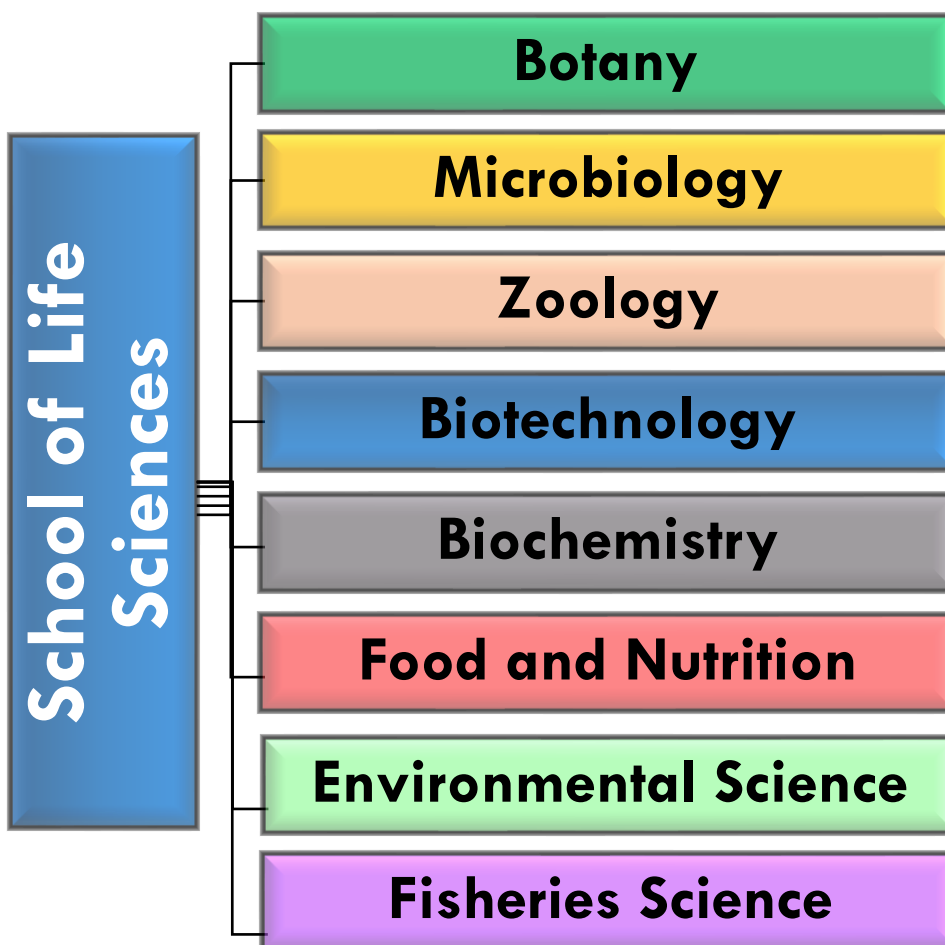
### **Mission:**

Our mission is to serve our global, national, state, and university communities by advancing the understanding of living organisms and their interactions with the environment. We aim to provide high-quality biological education emphasizing experiential learning and problem-solving, while also enhancing public understanding of the living world through educational outreach for learners of all ages.

### **Goals:**

- Advance research in emerging areas of the biological sciences and establish nationally recognized centers for undergraduate and graduate learning.
- Enhance recruitment efforts and provide robust support systems for talented and innovative students.

- Implement effective strategies to recruit and retain students from underrepresented groups, promoting diversity and inclusion within the department.



#### 4.2.1. Details Of Courses and Courses Wise Intake Capacity

Programme	Course	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. Biochemistry	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

#### 4.2.2. School Infrastructure

Sl. No.	Infrastructure	Number
1.	Classroom	3
2.	Bioscience Laboratory	1
	Bioinformatics Laboratory	1
	Chemistry Laboratory (Sharing)	1
3.	Bibliophile (Depository library)	2
	eLIBs (Digital library)	
4.	Faculty Room	1
5.	Toilet	2



6.	Field Laboratory	Nursery Pond	1
		Rearing Pond	1
		Stocking Pond	1

### Faculty room of Bioscience



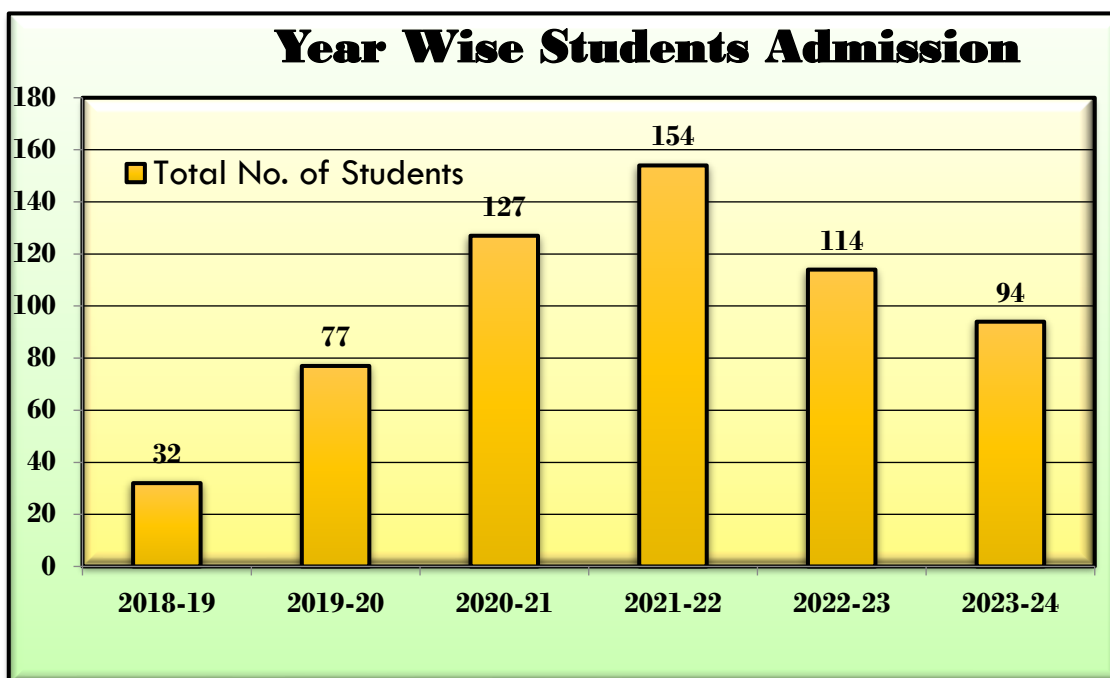
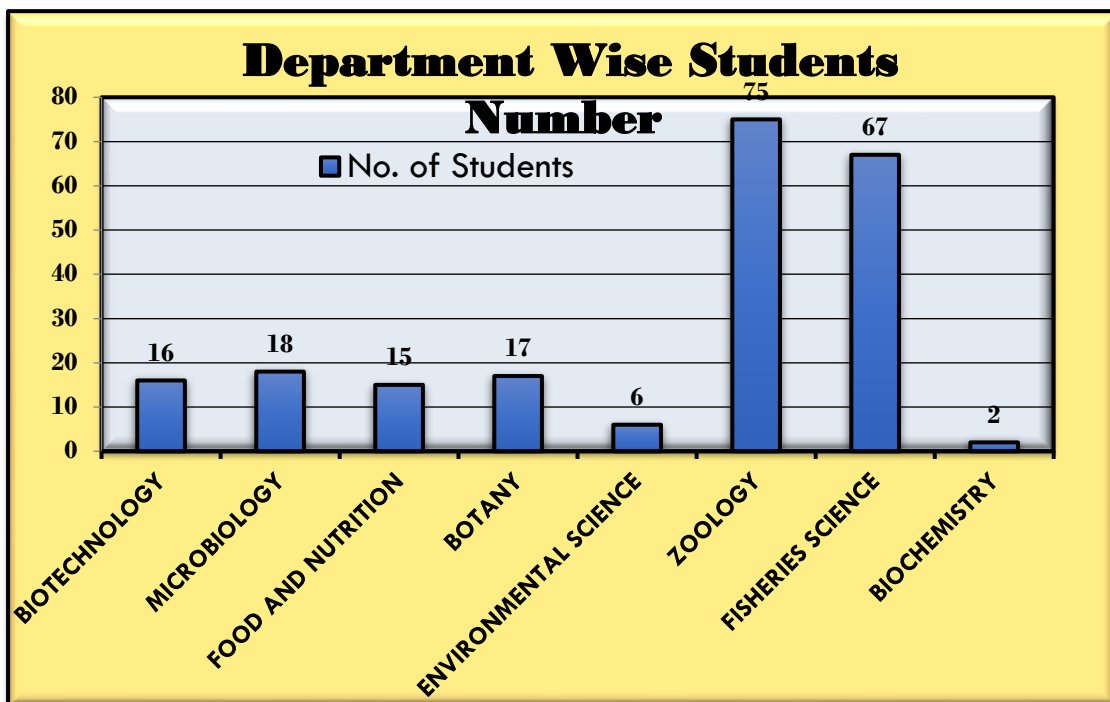
### Library





**Practical field for Fisheries Science**





#### 4.2.3. Faculty Details

Sl. No.	Name of the Faculty	Designation	Mail id
1.	Mr. Dip Das Dalal	Assistant Professor & DIC	<a href="mailto:dipdas86@gmail.com">dipdas86@gmail.com</a>
2.	Dr. Pranabesh Ghosh	Assistant Professor	<a href="mailto:doctorpranabeshghosh@gmail.com">doctorpranabeshghosh@gmail.com</a>
3.	Mr. Abhishek Roy	Assistant Professor	<a href="mailto:royabhishek49@gmail.com">royabhishek49@gmail.com</a>

4.	Dr. Soumya Prakash Das	Assistant Professor	<a href="mailto:soumo2das@gmail.com">soumo2das@gmail.com</a>
5.	Ms. Sabnam Parvin	Assistant Professor	<a href="mailto:sabnam.ssubio@gmail.com">sabnam.ssubio@gmail.com</a>
6.	Dr. Debalika Dalal	Guest Faculty	<a href="mailto:likadebdalal@gmail.com">likadebdalal@gmail.com</a>
7.	Ms. Shrabona Chakraborty	Guest Faculty	<a href="mailto:cshrabona@gmail.com">cshrabona@gmail.com</a>
8.	Ms. Subhadra Mal	Guest Faculty	<a href="mailto:subhadramal@gmail.com">subhadramal@gmail.com</a>

#### 4.2.4. Publications (Article)

Sl. No.	Research Paper and articles	Authors
1.	Comparative study on the outbreak of helminth parasites in domestic duck and chicken. <i>International Journal of Fauna and Biological Studies</i> , 11(2): 23-26, E-ISSN 2347-2677, P-ISSN 2394-0522, 2024. <a href="https://doi.org/10.22271/23940522.2024.v11.i2a.1015">https://doi.org/10.22271/23940522.2024.v11.i2a.1015</a> .	Dr. Debalika Dalal, Mr. Subham Saha, Mr. Dip Das Dalal, Mr. Abhishek Roy, Dr. Soumendranath Talapatra and Dr. Pranabesh Ghosh
2.	An insight into the morphological, ethno medicinal, phytochemical and pharmaceutical properties of <i>Buchanania lanzan</i> , <i>Journal of Medicinal Plants Studies</i> , 12(1): 11-17, ISSN (E): 2320-3862 ISSN (P): 2394-0530, 2024, <a href="https://www.plantsjournal.com">https://www.plantsjournal.com</a>	Ms. Mampi Mondal, Mr. Abhishek Konar, Ms. Sunanda Halder, Mr. Abhishek Roy, Mr. Dip Das Dalal, and Dr. Pranabesh Ghosh.
3.	Decoding the molecular mechanism underlying salicylic acid (SA)-mediated plant immunity: an integrated overview from its biosynthesis to the mode of action. <i>Physiologia Plantarum</i> , 176:e14399, 2024, <a href="https://doi.org/10.1111/ppl.14399">https://doi.org/10.1111/ppl.14399</a> .	Dr. Debalika Dalal
4.	Jasmonic Acid (JA) in Plant Immune Response: Unravelling Complex Molecular Mechanisms and Networking of Defence Signalling Against Pathogens. <i>Journal of Plant Growth Regulation</i> , 1-26, 2024.	Dr. Soumya Prakash Das
5.	Plants Response to Abiotic Stress: A Review. <i>Sarcouncil Jr. of Plant and Agronomy</i> .01(1): (O-ISSN : 2980-499X P-ISSN: 2980-4981), 2023. <a href="https://doi.org/10.5281/zenodo.7908518">https://doi.org/10.5281/zenodo.7908518</a>	Ms. Rivanjana Nandi, Dr. Soumya Prakash Das, Mr. Dip Das Dalal, Mr. Abhishek Roy, Ms. Sabnam Parvin, Dr. Debalika Dalal, Dr. Pranabesh Ghosh
6.	Multi-Omics Pipeline and Omics-Integration Approach to Decipher Plant's Abiotic Stress Tolerance Responses. <i>Genes</i> , 14(6), 1281, 2023	Dr. Soumya Prakash Das
7.	A critical approach of medicinal plants to impede covid-19., <i>World Journal of Pharmaceutical Research</i> , (12), 753-765. 2023.	Mr. Abhishek Konar, Ms. Jasmine Kaur, Mr. Sirshendu Chatterjee, Mr. Abhishek Roy,

	Mr. Dip Das Dalal and Dr. Pranabesh Ghosh
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#### 4.2.5. Publications (Book/Book chapter)

Sl.No.	Books or Book chapters	Authors
1.	An Overview of Environmental Remediation Technologies for Contaminated and Polluted Areas”, <i>Research Trends in Environmental Science</i> (16), 1-31, ISBN 978-93-6135-286-7. 2024.	Dr. Pranabesh Ghosh Konar, Mr. Abhishek Roy, Mr. Dip Das Dalal and Ms. Sabnam Parvin
2.	Role of Natural Nutraceuticals in Management of Oxidative Stress Related Diseases. <i>Advances in Biotechnology and Bioscience</i> . AkiNik Publications, (13) 117-145, ISBN 978-93-5570-664-5, 2023, <a href="https://doi.org/10.22271/ed.book.2187">https://doi.org/10.22271/ed.book.2187</a> .	Dr. Pranabesh Ghosh., Mr. Abhishek Konar, Mr. Sirshendu Chatterjee, Mr. Abhishek Roy, Mr. Dip Das Dalal and Ms. Sanchali Mukherjee
3.	Role of Plant Pigments on Human Health and Environment”, <i>Research Trends in Multidisciplinary Research</i> , AkiNik Publications, (44), 113-138. 2023, <a href="https://doi.org/10.22271/ed.book.2208">https://doi.org/10.22271/ed.book.2208</a> .	Dr. Pranabesh Ghosh, Mr. Abhishek Konar, Mr. Sirshendu Chatterjee, Mr. Abhishek Roy, Mr. Dip Das Dalal

#### 4.2.6. Internship of School of Bioscience Students

Sl. No.	Internship	Participant
1.	R. N. Tagore Hospital, Kolkata, West Bengal	Sampurna Sengupta
2.	IQ City Multispeciality Hospital, Durgapur, West Bengal	Shyamolima Majumder
3.	IQ City Multispeciality Hospital, Durgapur, West Bengal	Anita Thakur
4.	IQ City Multispeciality Hospital, Durgapur, West Bengal	Puja Sarkar
5.	Tata Main Hospital Rd, Dhatkidih, Jamshedpur, Jharkhand	Sarbani Kar

Students from the School of Bioscience at Seacom Skills University have actively participated in prestigious internship programs to gain practical exposure and enhance their industry readiness. Notably, Sampurna Sengupta interned at R. N. Tagore Hospital in Kolkata, West Bengal, where she gained valuable clinical experience. Shyamolima Majumder, Anita Thakur, and Puja Sarkar completed their internships at IQ City Multispeciality Hospital in Durgapur, West Bengal, acquiring hands-on knowledge in a multidisciplinary healthcare environment. Additionally, Sarbani Kar undertook her internship at Tata Main Hospital in Jamshedpur, Jharkhand, further enriching her understanding of advanced medical practices. These internships reflect the university's

strong commitment to experiential learning and professional development for its bioscience students.



### Internship of students in different hospitals

#### 4.2.7. Training/Visits of School of Bioscience

**Industrial visit:** Mother Dairy Calcutta, a Government of West Bengal initiative, was launched under Operation Flood II by the National Dairy Development Board. Initially established to meet the dairy needs of the Kolkata urban agglomeration—covering approximately 852 square kilometers within the Kolkata Metropolitan area—the organization has since expanded its reach to consumers in other districts as well. It offers a variety of dairy products, including milk, Mishti Doi, flavored yoghurt, plain yoghurt, paneer, cow ghee, and packaged drinking water. Leveraging its robust marketing network, Mother Dairy has begun diversifying by marketing products from other cooperative unions within West Bengal and from other states. Under Operation Flood III in 1997, the plant's processing capacity was upgraded from 400,000 to 600,000 litres per day. In recognition of its quality standards, Mother Dairy Calcutta earned ISO 9002 certification in 2000 and HACCP certification in 2001.

**Date of Visit:** 15.02.2024

**Supervised by:** Mr. Abhishek Roy, Mr. Dip Das Dalal & Dr. Debalika Dalal



**Industrial Visit of Students in Mother Dairy, Dankuni, West Bengal**

#### 4.2.8. Field Visit and Sample collection:

The Kopai River is a relatively small river with a length of 110 km and a basin area of 546 sq km. It originates in Jharkhand and flows into the Bakreshwar River in Birbhum district, West Bengal. The river is known for its unique sickle-shaped curve, which inspired the title of a novel by Tarasankar Bandyopadhyay. The Kopai Nodi, a tributary of the Mayurakshi River in West Bengal, India, holds significant ecological and cultural value. Flowing through districts like Birbhum and parts of Bolpur-Santiniketan, this river is more than just a geographical feature—it is a lifeline for the region’s biodiversity. The Kopai Nodi is not just a river—it is a dynamic ecological corridor supporting a wide range of life forms. Protecting it is essential not only for preserving biodiversity but also for maintaining the cultural and environmental integrity of the region.

#### Importance of Kopai Nodi for Biodiversity

- **Wetland Ecosystems:**

The Kopai River creates seasonal wetlands and marshes, particularly during the monsoon. These wetlands serve as crucial breeding and feeding grounds for amphibians, insects, and migratory birds.

- **Flora:**

Along its banks, diverse aquatic and riparian vegetation thrives. Native grasses, shrubs, and trees help prevent soil erosion and support pollinators like bees and butterflies.

- **Fauna:**

The river supports a range of aquatic species including indigenous fish like rohu, catla, and small carps. These fish sustain local livelihoods and are an integral part of the food chain. Birds such as kingfishers, herons, and egrets are commonly seen along the riverbanks.

- **Threats and Conservation Needs:**

Despite its ecological richness, the Kopai River faces threats from pollution, illegal sand mining, and encroachment. Conservation efforts, including community awareness programs and sustainable water management, are essential to protect its biodiversity.



**Field Visit of School of Bioscience Students in Kopai River, Birbhum**

#### Health Centre Visit:

Bolpur Primary Health Centre (PHC), located in the Bolpur Sriniketan block of Birbhum district, West Bengal, is a government-run rural healthcare facility. Also known as a public health centre, it typically operates as a single-physician clinic equipped to perform

minor surgical procedures. As a key component of India’s government-funded public health infrastructure, PHCs represent the most fundamental level of healthcare delivery. The primary services offered by these centres include:

- Basic medical treatment
- Maternal and child healthcare, including family planning
- Access to safe drinking water and sanitation
- Prevention and control of locally prevalent diseases
- Collection and documentation of vital health statistics
- Public health education
- Implementation of national health programmes

**Date of Visit:** 22.01.2024

**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, established in 1952, is managed by the Department of Education. It is situated in a rural area within the Bolpur-Sriniketan block of Birbhum district, West Bengal. The school is co-educational, with Bengali as the medium of instruction. It has six classrooms, all of which are in good condition, and two additional rooms used for non-teaching activities. There is a separate room designated for the Headmaster or teacher. The school premises are enclosed by a boundary wall and have access to electricity. Drinking water is supplied through functional hand pumps. The school has one functional toilet for boys and one for girls. It also features a playground and provides mid-day meals, which are prepared on-site within the school premises.

**Date of Visit:** 28.09.2023

**Supervised by:** Mr. Dip Das Dalal



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

**National Vaccination Day:**

The Government of India observes National Vaccination Day on 16th March each year to recognize and honor the dedication of frontline healthcare workers in ensuring the vaccination of every child. India has achieved significant progress in expanding routine immunization through intensified vaccination campaigns. In line with this, the Government celebrated National Vaccination Day on 16th March 2024. The School of Bioscience at Seacom Skills University also joined in the celebration of this important occasion.

Sl. No.	Programme Schedule	Topic
1.	Participation of students in Quiz competition organized by Ministry of Health and Family welfare, Govt. of India.	"Vaccines Work for All"



**Certificates of Students Participate in Quiz Competition on "Vaccines Work for All", organized by Ministry of Health and Family welfare, Govt. of India.**

A hackathon is a collaborative event conducted by Seacom Skills University from 24th to 26th February, 2024 where individuals or teams work together to develop software or prototypes within a limited time frame, often 24 or 48 hours. The goal is to build working solutions, enhance skills, and potentially explore innovative ideas.

Sl. No.	Hackathan Programme	Perticipants
1.	Oral Presentation	Arghya Ghosh Pritam Hudait
2.	Poster and Model Presentation	Arghya Ghosh Pritam Hudait Sandipa Mondal Abhirpita Ghosal
3.	Quiz Competition	Arghya Ghosh Pritam Hudait Sandipa Mondal Abhirpita Ghosal



**Participation of School of Bioscience students on Science Day**

### **Krishi Mela:**

A Krishi Mela is an agricultural fair or exhibition that showcases various aspects of farming, agricultural technologies, and related products. It provides a platform for farmers, researchers, and industry stakeholders to interact and learn about the latest advancements in the field. Seacom Skills University conducted a Krishi Mela from 21st

to 23rd December, 2023 where students of all Schools were participated and presented their innovative ideas for sustainable agriculture. The students of School of Bioscience were actively participate in Krishi Mela.



### Participation of School of Bioscience students in Krishi Mela

#### Nutrition Day:

In the post-pandemic world, health and nutrition have taken center stage in our lives. What we eat and the diets we follow are no longer afterthoughts—they've become essential priorities. We've come to understand that the food we consume plays a vital role in our overall well-being, disease resistance, and daily performance. Proper nutrition involves maintaining a balanced intake of all five essential nutrients: carbohydrates, proteins, vitamins, minerals, and fats. World Nutrition Day aims to raise awareness about the importance of healthy eating and balanced nutrition. Observed globally on May 28, 2024, this day was also celebrated by the School of Bioscience at Seacom Skills University, highlighting the significance of informed dietary choices.

Sl. No.	Programme Schedule	Topic
1.	Participation of students in Nutrition Education Programme organized by ICMR-NIN, GOVT. OF INDIA	‘POSHAN-Abhiyaan’-Mother health and nutrition
2.	Seminar and Awareness Programme organized by Food and Nutrition Department	Mother Health and Child Nutrition



**Certificates of Students Participate in Nutrition Education Programme organized by ICMR-NIN, Govt. Of India**

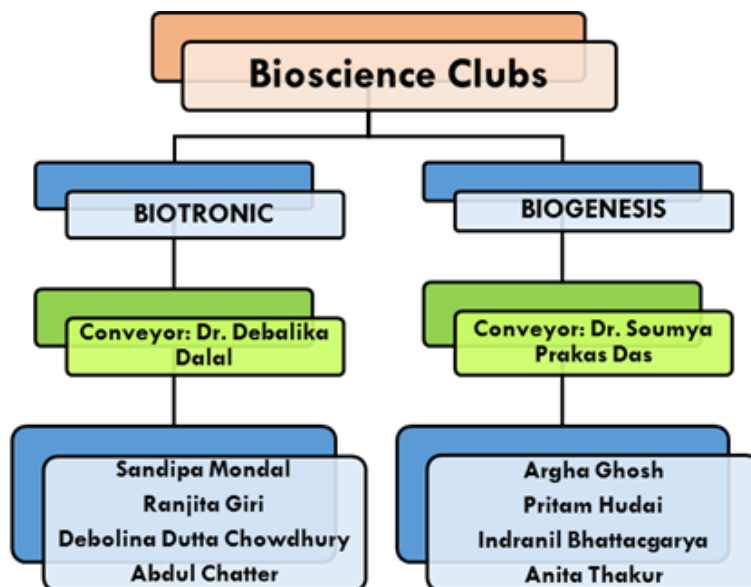
**4.2.9. Seminar, Webinar conducted by School of Biosciences**

Sl. No.	Programme	Topic	Date	Time	Speaker
1.	Webinar	Different Aspects of Trophic Interactions with Respect of Food Web	16.05.2024	04:00 P.M	Dr. Arnab Banerjee, Assistant Professor, Department of Zoology, Sikkim University
2.	Seminar	System Ecology: Future Perspective	05.06.2024	03:30 P.M	Prof. Santanu Ray, Professor, Department of Zoology, Visva Bharati



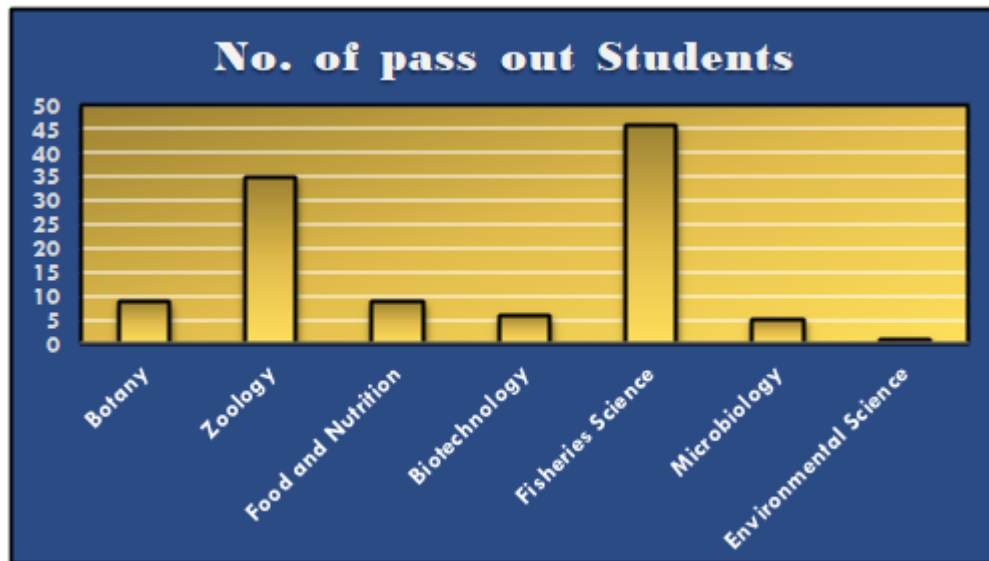
**Seminar and Webinar of School of Bioscience**

#### 4.2.10. Initiatives for student development



Club Name	Responsibility Of the Clubs	Activity Of the Clubs
<b>Biotronic</b>	A. Beautification of campus. B. Celebration of Important Days.	C. Participations in bioscience fairs. D. Beautification of campus. E. Attend National and State level scientific exhibitions. F. Celebration of road safety week.
<b>Biogenesis</b>	A. Preparation of posters, banners, paintings etc. B. Organizing of internal competitions.	C. Conducting quizzes. D. Celebration of Birthdays of Eminent Scientists in the field of Biology. E. Organizing scientific lectures, debates, seminars etc. F. To watch Scientific Movies to increase scientific values of the students. G. Publication of life science articles in Scientific Magazines. H. Preparation of charts and models for school level exhibitions.

Pass out Students in the year 2023-2024



### 4.3. School of Engineering

The rapidly evolving landscape of Engineering and Technology in India demands greater innovation, creativity, and reform. In response to these needs, the School of Engineering and Technology at Seacom Skills University has been established with a clear mission: to foster high-quality research and deliver research-driven education across emerging and multidisciplinary areas spanning science, engineering, and technology. The School emphasizes the importance of creativity and academic flexibility, encouraging students to explore beyond conventional classroom learning. Its programs are designed to cultivate inquisitive minds capable of addressing real-world challenges with innovative solutions. The primary objective of the School is to produce globally competent professionals who are well-prepared to take on leadership roles in industry, academia, and government sectors, both in India and internationally. Graduates from the School have consistently secured prominent positions across these domains. To support this vision, the School is equipped with state-of-the-art computational infrastructure and advanced resources, including robust hardware and sophisticated software tools, ensuring a dynamic and future-ready learning environment.



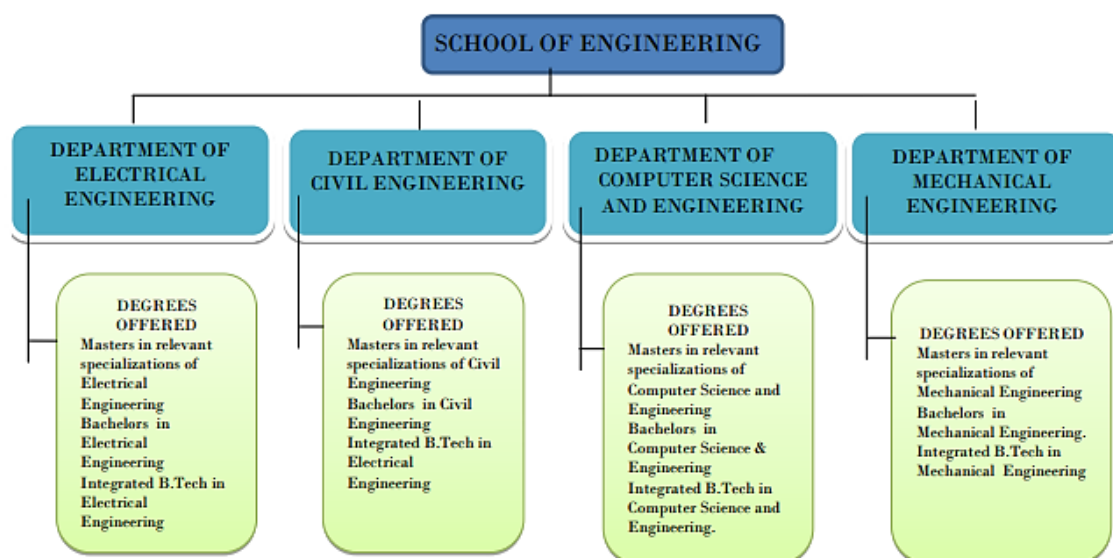
#### Vision

To establish a center of excellence in technical education and research, dedicated to producing highly skilled and competent professionals capable of meeting the ever-evolving technological and socio-economic demands of the nation and the global community.

#### Mission

- To deliver high-quality engineering education through cutting-edge curriculum, modern infrastructure, and hands-on learning, aimed at nurturing proficient and innovative engineers.
- To attract, develop, and retain talented, knowledgeable, and motivated individuals whose leadership and contributions reinforce the institution's core values of academic excellence, innovation, research, and socially responsible service.

- To empower faculty and enhance institutional resources for the effective dissemination of knowledge, thereby fostering academic growth and contributing meaningfully to the advancement of society at both educational and economic levels.
- To cultivate an environment that upholds academic freedom and fosters a deep commitment to knowledge acquisition, positioning the institution as a preferred destination for aspiring learners and scholars.
- To ensure excellence through rigorous and continuous quality assurance practices.



## Year of Establishment

The engineering departments at Seacom Skills University were established in 2014, and since then, four successful batches have graduated from this esteemed institution. In 2018, the collective designation of these departments was formalized as the School of Engineering. Since its inception, the School—along with all its constituent departments—has been operating efficiently, upholding academic excellence and contributing significantly to technical education.

## Initiatives for Student Development

- Faculty members and students from the School of Engineering actively participated in a series of subject-specific webinars conducted in online mode, enhancing their exposure to current trends and knowledge in their respective fields.
- The School fosters a dynamic academic environment that encourages open discussions and debates, where faculty and students collaboratively explore new ideas and develop innovative solutions to complex challenges.
- Each academic module is enriched with experiential learning opportunities, focusing on bridging the gap between theoretical knowledge and real-world application.

- Students also engage in diverse cultural activities alongside peers from across the university, promoting holistic development and fostering a sense of community and collaboration.

#### **4.3.1. Department of Computer Science and Engineering**

##### **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**

#### 4.3.1.1. 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;

#### VISION

- To create the most conducive environment for quality academic and research oriented undergraduate and postgraduate education in Computer Science and Engineering and prepare the students for a globalised technological society and orient them towards serving the society.
- To generate competent professionals to become part of the industry and research organizations at the National and International levels.
- To empower the graduates to be technologically adept, innovative, self-motivated and responsible citizens, possessing human values and contribute significantly towards being a center of excellence in providing globally standard education, through a conducive Teaching and Research environment, that responds swiftly to the challenges of the ever changing world and to make the pupils capable of creating different application oriented projects.
- To groom the students into world class Computer Professionals.

## MISSION

- To impart quality computer education to enhance logical computing and programming
- skills.
- To implement innovative techniques and processes in teaching - learning and evaluation.
- To further creativity and pursuit of excellence in computer applications.
- To sensitize a culture of trust, fairness, tolerance and positive orientation.
- To build life skills through value-based education and service-oriented programme.

### 4.3.1.2. 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 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.

#### 4.3.1.3. 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

#### 4.3.1.4. Faculty details of Computer Science and Engineering

Department 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. Working as a core Exam Team Member for conducting Semester Examinations as well as core member of the Department to work as Departmental Routine Committee Member and Syllabus Design Committee Member.
2.	Ms. Rika Ghosh	Assistant Professor	MCA	2024	Taking classes of different courses of both Departments of CSE and Computer Applications and other Departments like ECE, Electrical Engg, Working as a core Exam Team Member for

					conducting Semester Examinations as well as core member of the Department to work as Departmental Routine Committee Member and Syllabus Design Committee Member, Faculty Mentor at Hackathon.
3.	Mr. Himadri Rudra	Assistant Professor	MCA	2024	Taking classes of different courses of both Departments of CSE and Computer Applications and other Departments like Electrical Engg, Working as a NAD Co-ordinator, IIC Committee Member, Faculty Mentor at Hackathon. Doing inventory management operations at the Department.

#### 4.3.1.5. 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.

### **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

#### **4.3.1.6. SWOT Analysis of the Department**

##### **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.

##### **Weaknesses**

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

##### **Opportunities**

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

##### **Challenges**

To increase the intake capacity for courses like B.Tech., M.Tech., etc.

To find skilled hardware technicians

#### 4.3.1.7. 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.

#### 4.3.1.8. FDP, Lecture, Seminar, Workshop, Webinar, Conference Details

1. Ms.Sanjukta Chakraborty participated in the session on "Orientation to the Old Method of NAAC Process and Important Insights about the New Binary/Graded Accreditation System," organized by ARCNET India and CliMed Research Solutions 31<sup>st</sup> January, 2024.
2. Ms. Sanjukta Chakraborty participated in one week Faculty Development Program on "R Programming" organized by NITTTR, Kolkata on 13rd October, 2023.
3. Ms. Sanjukta Chakraborty participated in one week Faculty Development Program on "Data Driven Research With Advanced Data Analysis Tools" organized by Atal Bihari Vajpayee University, Bilaspur & AIU, New Delhi during 20 to 26<sup>th</sup> September.
4. Ms. Sanjukta Chakraborty participated in 5 Days Faculty Development Program on "Engineering Trends in Science and Technology from Academia to Industry(ETSTAI'24)" organized by Dr. B. C. Roy Engineering College, Durgapur from 19<sup>th</sup> March to 23<sup>rd</sup> March.
5. Ms. Sanjukta Chakraborty participated in Conference on "Turnip Innovation Festival, 2024" organized by Qualcomm on 20<sup>th</sup> January, 2024.
6. Ms. Rika Ghosh participated in 5 Days Faculty Development Program on "Engineering Trends in Science and Technology from Academia to Industry(ETSTAI'24)" organized by Dr. B. C. Roy Engineering College, Durgapur from 19<sup>th</sup> March to 23<sup>rd</sup> March.
7. Ms. Rika Ghosh participated in one week Faculty Development Program on "Smart Office Automation with Integration of Excel and MySQL" organized by AIU & Sri Sri University from 5<sup>th</sup> to 11<sup>th</sup> February, 2024.

8. Ms. Rika Ghosh has successfully participated and completed 1 day workshop on "Artificial Intelligence and Machine Learning" organized by Janardan Rai Nagar Rajasthan Vidyapeeth in association with PANTECH E LEARNING PVT LTD. On 19<sup>th</sup> June, 2024.
9. Ms. Rika Ghosh participated in 5 Days Faculty Development Program on "Recent Advances and Future Trends in AI and NLP" organized by Global Institute of Science & Technology from 15<sup>th</sup> April to 19<sup>th</sup> April, 2024.
10. Mr. Himadri Rudra participated in 5 Days Faculty Development Program on "Recent Advances and Future Trends in AI and NLP" organized by Global Institute of Science & Technology from 15<sup>th</sup> April to 19<sup>th</sup> April, 2024.
11. Mr. Himadri Rudra participated in the Faculty Development Program on "Ideation, Orientation and Promotions to create Start-ups and Entrepreneurial Venterers in the University" conducted by IIC, Seacom Skills University on 13<sup>th</sup> March, 2024.
12. Mr. Himadri Rudra participated in 5 Days Faculty Development Program on "Engineering Trends in Science and Technology from Academia to Industry (ETSTAI'24)" organized by Dr. B. C. Roy Engineering College, Durgapur from 19<sup>th</sup> March to 23<sup>rd</sup> March.

#### 4.3.1.9. List of publications in journals, book chapters and paper presentations in conferences

##### A. JOURNALS:

Sl. No	Name of the Journal	ISSN	Title of the paper published / communicated
1	Journal of emerging technologies and innovative research (jetir) (2024 jetir february 2024, volume 11, issue 2)	2349-5162	A study on the advantages of using multi modal images in the detection and classification of lung cancer using artificial intelligence
2	International journal of creative research thoughts (ijcrt) (volume 12, issue 3 march 2024)	2320-2882	A study on the early detection of lung cancer using ai/ml techniques

3	International journal of innovative research in technology (ijirt) (may 2024, volume 10 issue 12)	2349-6002	A study on the hybrid approach for lung cancer detection using convolutional neural networks and decision trees
4	Journal of emerging technologies and innovative research (jetir) (2024 jetir may 2024, volume 11, issue 5)	2349-5162	A study on the detection and classification of lung cancer using ensemble learning and transfer learning of artificial intelligence
5	Journal of artificial intelligence and systems (may 2024, volume 6)	2642-2859	A review of brain cancer detection and classification using artificial intelligence and machine learning
6	International journal of applied sciences & engineering (ijase)	2321-0745	From pixels to predictions: artificial intelligence driven lung cancer diagnosis using multimodal imaging
7	International journal of bioscience and biochemistry (volume: 6, year: 2024)	2664-6536	Miraculous responses of gloriosa superba l. In the treatment of colon cancer: a brief review
8	International journal of clinical biology and biochemistry (volume: 6, year: 2024)	2664-6188	Crispr-cas9 to treat chronic myeloid leukaemia: a review

## B. BOOK CHAPTERS:

Sl. No	Name of the Book	ISBN	Title of the paper published / communicated
1	Advances in computer science (volume - 23)		Unleashing the power of artificial intelligence: transformative advances in lung cancer detection and classification
2	Gender, society and sustainability	978-81-972787-7-8	Impact of multi-modal images in lung cancer detection and classification with artificial intelligence and machine learning

3	Mathematics and computer science volume 4 (from scrivener – wiley, usa ) (scopus)	Artificial intelligence in detection and classification of lung cancer – an overview
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### C. LIST OF PAPER PRESENTATIONS IN THE CONFERENCES:

Sl. No.	Name of the Conference with date	Title of the paper presented
1	ICCRET 2023, BRAINWARE UNIVERSITY, KOLKATA HELD ON 22 <sup>ND</sup> AND 23 <sup>RD</sup> DECEMBER, 2023	A STUDY ON THE ADVANTAGES OF USING MULTI MODAL IMAGES IN THE DETECTION AND CLASSIFICATION OF LUNG CANCER USING ARTIFICIAL INTELLIGENCE
2	AIOTS 4S, NIST DST CONFERENCE, BERHAMPUR, ODISHA HELD ON 20 <sup>TH</sup> AND 21 <sup>ST</sup> JANUARY, 2024	A REVIEW OF BRAIN CANCER DETECTION AND CLASSIFICATION USING ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
3	ISSCI-2024, SEACOM ENGINEERING COLLEGE, KOLKATA, HELD ON JANUARY 24-25, 2024	ARTIFICIAL INTELLIGENCE IN DETECTION AND CLASSIFICATION OF LUNG CANCER – AN OVERVIEW
4	INTERNATIONAL CONFERENCE ON GENDER, SOCIETY AND SUSTAINABILITY, VEDANTA COLLEGE, KOLKATA HELD ON 22 <sup>ND</sup> JUNE, 2024	IMPACT OF MULTI-MODAL IMAGES IN LUNG CANCER DETECTION AND CLASSIFICATION WITH ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

#### 4.3.1.10. Results of the Department of Computer Science and Engineering in ODD Semester Examinations

No. of students in the Department	% of Passed Students	Highest marks obtained by the student (CGPA)	% of Failed Students
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93	100	9.20	0
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#### 4.3.1.11. Results of the Department of Computer Science and Engineering in EVEN Semester Examinations

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

#### 4.3.1.12. Placement



#### 4.3.2. Department of Electrical Engineering

**About the department:** 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

**Vision:** To groom the students into world class Electrical Professionals. To be among top Electrical Engineering Departments of the country known for excellence in teaching and research in Electrical Engineering with due emphasis on relevance to contemporary societal needs

**Mission:**

- **M1:** Academic Excellence To develop outstanding engineers well versed in the theory and practice of electrical engineering discipline.
- **M2:** Systems Approach and Total Quality Management To follow a holistic approach based on excellence, initiative, creativity and innovation that ensures competence in electrical engineering with specialization in emerging areas.
- **M3:** Social Responsibility & Sustainable Development To contribute to National Development by meeting the needs of the society and industry, empowering weaker and underprivileged sections, and to build economy through research and frugal innovation, anchored in the principle of achieving more with less.
- **M4:** Ethics & Values To uphold the highest ethical standards, inculcate values, create willingness and capacity to work with one's hands, promote respect for dignity of labour and a spirit of self-sacrifice to serve humanity.

**4.3.2.1. 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.

#### 4.3.2.2. Details of the 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

#### 4.3.2.3. Faculty details:

SL.NO.	NAME	QUALIFICATIONS	DESIGNATION	STATUS
1	Mr. Swaraj Dutta	M.Tech, B.Tech	HoD and Assistant Professor	Full Time
2	Mr. Manoj Dey	M.Tech, B.Tech	Assistant Professor	Full Time
3	Mr. Arka Prabha Chatterjee	B.Tech, Pursuing M.Tech.	Technical Assistant	Full Time

#### 4.3.2.4. Faculty attended programmes

SL. NO	NAME	Attended Programmes
1	Mr. Swaraj Dutta, HoD and Assistant Professor	1. IP awareness under Kapila and NiPAM on 31 <sup>st</sup> Jan, 2023 2. Bihar Cyber Safety and Security Awareness Week held from 21-25 October, 2023 under C-DAC Patna. 3. FDP on Next – Generation Technologies on Information and Communication from 5-9 <sup>th</sup> Nov, 2023. 4. FDP on Recent Emerging Trends and Application from 11-15 <sup>th</sup> Nov, 2023. 5. FDP on Methods for Improving Higher Education Teaching Quality from 22-26 July, 2023. 6. FDP on Emerging Technologies in Electronics & Electrical Engineering with AI Applications from 9-14 <sup>th</sup> Dec, 2023

2	<p>Mr. Manoj Dey, Assistant Professor</p>	<ol style="list-style-type: none"> <li>1. FDP on Next –Generation Technologies on Information and Communication from 5-9<sup>th</sup> Nov, 2023.</li> <li>2. FDP on Recent Emerging Trends and Application from 11-15<sup>th</sup> Nov, 2023.</li> <li>3. FDP on Methods for Improving Higher Education Teaching Quality from 22-26 July, 2023.</li> <li>4. FDP on Emerging Technologies in Electronics &amp; Electrical Engineering with AI Applications from 9-14<sup>th</sup> Dec, 2023.</li> <li>5. IP awareness under Kapila and NiPAM on 31<sup>st</sup> Jan, 2023</li> <li>6. Bihar Cyber Safety and Security Awareness Week held from 21-25 October, 2023 under C-DAC Patna.</li> </ol>
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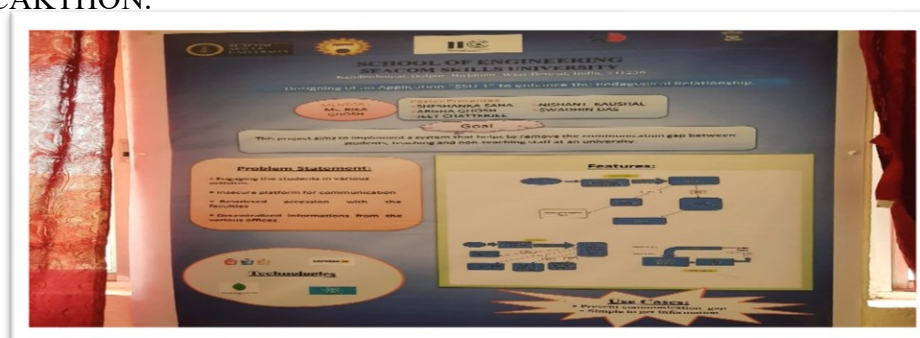
#### 4.3.2.5. Celebration and Events

- Successfully conducted our very own Engineers Day on 16<sup>th</sup> September, 2023.



#### 4.3.2.6. Awards and Achievements

- The Department took part in the Poster Presentation Cum Competition on Ideation and Start up Development on 24<sup>th</sup> and 25<sup>th</sup> May, 2024 and was selected for HACKATHON.





#### 4.3.2.7. Initiatives for student development

- **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

- **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

- **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

- **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



## 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

### 4.3.2.8. Future plans

- 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.

### 4.3.2.9. Summary of Student enrollment and Pass out

- **No of faculty:** 02
- **No of students:** UG – 526  
PG – 03
- **Intake capacity:** UG – 60  
PG – 30
- **Syllabus Followed-** New syllabus formed as AICTE Model Syllabus pattern Approved by university authority.
- **Number Of Enrolled:** UG – 396  
PG – 07
- **Number Of Passed Out:** UG – 61 (65)  
PG – 02 (30)
- **Number of students drop out:** UG-04  
PG- 01
- **Maximum marks obtain by students:** UG – 9.47 (SGPA)  
PG – 9.00 (SGPA)

- **Number of fail candidate:** UG – Nil  
PG – Nil
- **Dissertation** done by PG students. Number is 02.
- **The percentage of attendance:** UG – 76%  
PG – 85%

### 4.3.3. Department of Civil Engineering

#### 4.3.3.1. 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 extra-curricular 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
- Seminars and Guest Lectures
- Programming contest
- Faculty development programmes
- 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.

#### **Vision:**

To develop an institution of excellence in technical education & research to produce skilled and trained manpower of the highest quality to meet the growing technological & socioeconomic needs of our nation & the world at large.

#### **Mission:**

- ✓ To produce quality engineers by providing state-of-the-art engineering education.
- ✓ To attract and retain knowledgeable, creative, motivated and highly skilled individuals whose leadership and contributions uphold the college tenets of education, creativity, research and responsible public service.
- ✓ To develop faculty and resources to impart and disseminate knowledge and information to students and also to society that will enhance educational level, which in turn, will contribute to social and economic betterment of society.
- ✓ To provide an environment that values and encourages knowledge acquisition and academic freedom, making this a preferred institution for knowledge seekers.
- ✓ To provide quality assurance.

**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 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 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. We focuses 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-up with various reputed organization to provide better placement to the students. The University campus is considered as one of the best campus 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.

#### 4.3.3.2. Courses

##### **B.Tech- Civil Engineering**

##### **Eligibility:**

✓ Valid rank in WBJEE/ NTA JEE

Course Duration:- 4 years (for Regular Candidate ) and 3 years ( for Lateral Entry)

**Intake:** As per AICTE

##### **M.Tech- Civil Engineering**

##### **Specialization:**

1. Structural Engineering
2. Geotechnical Engineering
3. Transportation Engineering
4. Water Resources Engineering
5. Environmental Engineering

**Intake:** As per SSU

##### **Eligibility:**

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

##### **Faculty Details**

Sl No	Name	Designation	Academic/Administrative Activity
1.	Mr. Subhadip Sarkar	Head of the Department &	1. Lecture Session on Induction Programme 2024-25. 2. Member Asset and Inventory Committee. 3. Member of IUINDRR-NIDM

		Assistant Professor	4. Participating member from SoE, IIC
2.	Mr. Suraj Pal	Assistant Professor	<ol style="list-style-type: none"> <li>1. Member of NAD Committee,</li> <li>2. Member of Sports and Games ,</li> <li>3. Member of University Higher Education Committee (DEO).</li> <li>4. Member of IUINDRR-NIDM</li> <li>5. Member of Venue Management and Volunteer Committee Convocation 2024</li> <li>6. Member of Decoration Committee Convocation 2024</li> </ol>
3.	Ms. Antara Jana	Assistant Professor	<ol style="list-style-type: none"> <li>1. Member of Exam Cell</li> <li>2. Member of Certificate Preparation and Distribution Committee Convocation 2024</li> </ol>
4.	Mr. Manas Kalyan Das	Assistant Professor	<ol style="list-style-type: none"> <li>1. University Nodal Officer IUINDRR-NIDM.</li> <li>2. Member of University Higher Education Committee (DEO).</li> <li>3. Member of University WBPCB, Govt. of West Bengal</li> <li>4. Coordinator and In-Charge IIC events 27-08-2024</li> <li>5. Nominee as a AIU-MFF Safe Campus Programme,</li> <li>6. Lecture Session on Induction Programme 2024-25.</li> <li>7. Member Asset and Inventory Committee.</li> <li>8. Member of Venue Management and Volunteer Committee Convocation 2024.</li> <li>9. Member of Decoration Committee Convocation 2024</li> </ol>
5.	Mr. Sumit Sarkar	Guest Faculty	-

#### 4.3.3.3. Publications by Faculties:

1. Das, M.K. (2024). “*Environmental Sustainability in Civil Engineering*”. *Book Chapter*, Seacom Skills University.
2. Sarkar, S. (2024). “*Importance of Studying Environmental Studies in Engineering*”. *SABUJEEMA - An International Multidisciplinary e-Magazine*, 4(6), 24-27. Article ID-0402.

#### i). FDP, Lecture, Seminar, Workshop, Webinar, Conference Details

**Faculty Name: SUBHADIP SARKAR**

**Faculty Development Programme**

1. Attended Faculty Development Programme on Environmental Impact and it's Protection Organised by Haldia Institute of Technology Haldia

### **Webinar**

1. Attended a Webinar on Heat wave Preparedness under NIDM.
2. Attended Webinar Series on Advances in Geotechnical Engineering conducted under JUIT, Solan, H.P.

### **Conference and Symposium**

1. Attended a Conference on Transformative Education, Gender Equality, Active Citizenship for Sustainable Development organised by KISS, Bhubaneswar.
2. Attended a National Conference on Be Part of the Plan organised by Government City College, Hyderabad.
3. Attended a Symposium on the Topic Green Action Plan-Its Implementation and Development organized by The Institution of Green Engineers,

### **Others**

1. Attended Salam India Slogan Competition under Gulzar Group of Institutions and Secured a Valid Rank.

**Faculty Name: SURAJ PAL**

### **Faculty Development Programme**

1. FDP on Emerging Trends in science and technology from Academia to Industry.
2. FDP on Ideation, Orientation and promotions to create start-ups and Entrepreneurial Ventures in the University.

### **Training Program and Workshop**

1. Training programme on Resilient Rural development in changing climate by NIDM.
2. Workshop on Limit state design of steel structure by NIT Jamshedpur.

### **Webinar**

1. Webinar on enhancing the service life of RCC Structure by an Active Technique.

**Faculty Name: ANTARA JANA**

### **Workshop/Webinar:**

1. A webinar on-Enhancing the service life of RCC structure by an active Technique
2. Workshop on- Limit state design of steel structures by NIT Jamshedpur.

### **Faculty Development Programme:**

1. FDP on- Emerging trends in science and Technology from academia to industry.

**Faculty Name: MANAS KALYAN DAS**

### **Event Conducted:**

1. **Event Coordinator** for the webinar titled "*Geotechnical Investigation with Particular Focus on Standard Penetration Test (SPT)*" organized by the Department of Civil Engineering on 15th November 2024.
2. Event conducted on Event Coordinator and In-Charge of the "Multidisciplinary Exhibition on Ideation, Innovation, Startup Models," held on 27th August 2024 by IIC, Seacom Skills University.

#### **Continuing Education Program:**

1. Participation on Summer Faculty Research Fellow Programme-2024. IIT Delhi from 14/05/2024 to 12/07/2024.

#### **Training/Short Term Course:**

1. NEP Orientation & Sensitization under MM-TTP, Tezpur University from 06/08/2024 to 16/08/2024
2. Comprehensive Disaster Risk Management Framework, National Institute of Disaster Management from 04/04/2024 to 16/05/2024.
3. 12 weeks NPTEL course on Geosynthetics and reinforced Soil Structure, NPTEL, IIT Madras from Jan-Apr 2024.
4. National training program on "Resilient Rural Development in Changing Climate", National Institute of Disaster Management from 22/01/2024 to 26/01/2024.

#### **Faculty Development Programme:**

1. 12 weeks FDP course on Geosynthetics and reinforced Soil Structure, NPTEL, IIT Madras from Jan-Apr 2024.
2. One Week FDP course on Laboratory Practices in Soil Engineering, NITTTR, Chandigarh from 19/02/2024 to 23/02/2024.
3. FDP program on 'Ideation, orientation and Promotions to Create Start-ups and Entrepreneurial Ventures in the University', IIC, Seacom Skills University on 13/03/2024.
4. Five days online FDP on Emerging Trends in Science and Technology from Academia to Industry, B.C Roy Engineering Collage from 19/03/2024 to 23/03/2024.
5. Five days faculty development program on "Innovation in Recent Trends and Research Applications on Computing and Informatics" organized by the Department of

Information Technology in association with IQAC, Haldia Institute of Technology during 29/07/2024 to 02/08/2024.

#### **Workshop/Webinar:**

1. “Geotechnical Characterization and Stabilization of Organic Soils using the Microbially Induced Calcite Precipitation Technique (MICP)” on 7 March 2024 organized by University of Illinois Chicago, USA.
2. “Investigations of Groundwater Contamination with NAPL Petroleum Spills and Remediation” on 8 February 2024 organized by University of Illinois Chicago, USA.
3. “An Overview of Life Cycle Assessment Relative to Use of Recycled Materials in Highway Construction” on 18 January 2024 organized by University of Illinois Chicago, USA
4. “Structural Health Monitoring - Concepts and Methods” on 23 February 2024, organized by Department of Civil Engineering, CSI College of Engineering, Ketti.
5. “Enhancing the Service life of RCC Structure by an Active Technique” on 6 Nov. 2024 organized by Department of Civil Engineering, Akshay college of engineering and technology.
6. Two days workshop on Geotechnical Exploration- Theory & Practice, MIST & IGS Kolkata from 15/03/2024 to 16/03/2024.
7. National Workshop on Design of Bridges-2024, NIT Jamshedpur from 19/04/2024 to 23/04/2024.
8. Five Days Online Workshop on “The Future of Green Energy: Emerging Trends and Technologies “organized by the National Institute of Technology Mizoram from 5th August to 9th August 2024.
9. NPTEL E-Awareness workshop on 04/07/2024

#### **4.3.3.4. Celebration & Events conducted**

1. The Civil Engineering Department of Seacom Skills University organized a grand celebration of Engineers' Day 2024 on September 15, to honor the contributions of engineers to society and to commemorate the birth anniversary of Bharat Ratna Sir M. Visvesvaraya. The event aimed to inspire students, faculty, and guests while highlighting the importance of engineering in shaping the modern world. The event commenced at 10:00 AM with the lighting of the ceremonial lamp by the Vice Chancellor, along with the esteemed faculty members and chief guest. The national anthem set a solemn tone for the day.

2. On 15th November 2024, the Department of Civil Engineering at Seacom Skills University organized an insightful and informative webinar titled "Geotechnical Investigation with Particular Focus on Standard Penetration Test (SPT)." The event aimed to enhance participants' understanding of geotechnical investigations, specifically focusing on the Standard Penetration Test (SPT), a commonly used method for soil testing. This session was open to students, faculty, and professionals from the civil engineering and geotechnical fields.

3. On 4th October 2024, the Department of Civil Engineering at Seacom Skills University organized a comprehensive field visit titled "Geotechnical Investigation with Particular Focus on Standard Penetration Test (SPT)." The event was designed to provide students, faculty, and professionals with hands-on experience in geotechnical investigations, particularly focusing on the Standard Penetration Test (SPT), a widely used method for soil testing and evaluation. The field visit aimed to enhance the participants' understanding of the SPT procedure, its applications, and its importance in foundation design.

#### **4.3.3.5. Awards & Achievements (of Faculty & Students)**

##### **Student:**

1. Arindam Paul, who graduated with an M. Tech in Structural Engineering in 2024, is currently employed as a Project Engineer at Mackintosh Burn Ltd, a Government of West Bengal enterprise

##### **Faculty:**

1. Mr. Subhadip Sarkar, Assistant Professor from Civil Engineering Department has received Young Faculty Award from Sabujeema (An International Multidisciplinary E-Magazine (Official Publication of SAAST,Odisha) on 05.09.2024
2. Mr. Manas Kalyan Das Award as SFRF Fellow 2024, IIT Delhi.

##### **iv) Any initiative for student development**

1. Conducted recently a field Visit on title "Geotechnical Investigation with Particular Focus on Standard Penetration Test (SPT)."

##### **v) Orientation and Induction Programme for Students**

The induction program of School of Engineering was completed smoothly under the guidance of Principal SOE and other higher officials Of the University where from the Civil Engineering Department there was two Sessions out of which the first one was on "Innovation and Incubation in Engineering" conducted by Mr. Manas Kalyan Das,

Assistant Professor from Civil Engineering and the other session was taken by Mr. Subhadip Sarkar, Assistant Professor and Head of the Department, Civil Engineering Titled "Value and Ethics in Profession".

## **5. Student Details (Total Number –UG &PG)**

UG-356 and PG-77

#### 4.4. School of Commerce and Management Studies

Sl. No.	Description	2022-23 (Aug,2022 - July,2023)	2023-24 (Aug,2023 - July,2024)
1	About the School / Department (including schools / departmental infrastructures)	M.Com, B.Com, MBA (HR, FINANCE, RDM, MARKETING, OPERATION), BBA, BHM (Hotel Management)	M.Com, B.Com, MBA (HR, FINANCE, RDM, MARKETING, OPERATION, DATA ANALYTICS), BBA, BHM ( Hotel Management, Hospital Management), MRDM, BRDM
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)	M.Com- (2 Years, Intake Capacity 60 nos), B.Com- (4 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), MRDM- (2 Years, Intake Capacity 30 nos), BRDM- (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)	Debanjan Gupta (HOD), Subham Sil, Guest Faculty, Dr Asim Basu, Associate Professor (Oct 2023 to Oct 2023), Dr Subhash Chakraborty, Principal (Nov 2023 to Dec 2023)
4	Paper publication by faculty under SSU	N/A	N/A
5	Any Book published by faculties	N/A	N/A
6	School / Department details:		
	i	FDP, Lecture, Seminar, Workshop, Webinar,	FDP: 2, Seminar: 5, Lecture: 10,
			FDP: 3, Seminar: 8, Lecture: 18,

		Conference (Mention the above with following aspect – Conducted / Attended / Delivered)	Workshop: 1, Webinar: 5, Conference: 1	Workshop: 1, Webinar: 10, Conference: 1
	ii	Celebration & Events conducted in the particular School / Department	0	0
	iii	Awards & Achievements (of Faculty & Students)	0	0
	iv	Any initiative for student development	One day workshop on Campus to Corporate	N/A
	v	Orientation and Induction program for students	Yes	Yes
7		Students Details (Total Number – UG & PG)	UG: 21 PG: 23	UG: 24 PG: 107
8		Other details, if any, which are important for the preparation of Annual Report	N/A	N/A

## 4.5. School of Computer Applications

### 4.5.1. 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 level's 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**

### 4.5.2. 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;

### VISION

- To create the most conducive environment for quality academic and research oriented undergraduate and postgraduate education in Computer Science and Engineering and prepare the students for a globalised technological society and orient them towards serving the society.
- To generate competent professionals to become part of the industry and research organizations at the National and International levels.
- To empower the graduates to be technologically adept, innovative, self-motivated and responsible citizens, possessing human values and contribute significantly towards being a center of excellence in providing globally standard education, through a conducive Teaching and Research environment, that responds swiftly to the challenges of the ever changing world and to make the pupils capable of creating different application oriented projects.
- To groom the students into world class Computer Professionals.

#### **MISSION**

- To impart quality computer education to enhance logical computing and programming skills.
- To implement innovative techniques and processes in teaching - learning and evaluation.
- To further creativity and pursuit of excellence in computer applications.
- To sensitize a culture of trust, fairness, tolerance and positive orientation.
- To build life skills through value-based education and service-oriented programme.

#### **4.5.3. 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 cantered 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.

#### 4.5.4. 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

#### 4.5.5. Faculty details of Computer Applications

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. Working as a core Exam Team Member for conducting Semester Examinations as well as core member of the Department to work as Departmental Routine Committee Member and Syllabus Design Committee Member.
2.	Ms. Rika Ghosh	Assistant Professor	MCA	2024	Taking classes of different courses of both Departments of CSE and Computer Applications and other Departments like ECE, Electrical Engg, Working as a core Exam Team Member for conducting Semester Examinations as well as core member of the Department to work as Departmental Routine Committee Member and Syllabus Design Committee Member, Faculty Mentor at Hackathon.

3.	Mr. Himadri Rudra	Assistant Professor	MCA	2024	Taking classes of different courses of both Departments of CSE and Computer Applications and other Departments like Electrical Engg, Working as a NAD Co-ordinator, IIC Committee Member, Faculty Mentor at Hackathon. Doing inventory management operations at the Department.
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#### 4.5.6. 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.

#### 4.5.7. 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

#### 4.5.8. Results of the Department:

##### Results of the Department of Computer Applications in ODD Semester Examinations (2023-2024)

No. of students in the Department	% of Passed Students	Highest marks obtained by the student (CGPA)	% of Failed Students
86	100	9.60	0

##### Results of the Department of Computer Applications 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
86	100	9.58	0

## 4.6. School of Humanities

The School of Humanities (SOH) is dedicated to fostering and disseminating knowledge on emerging issues and challenges in contemporary society, economy, and polity. Its curriculum is designed to be flexible, choice-based, and interdisciplinary, allowing students to tailor their academic journey according to their interests and career aspirations. Upon completion of the programmes, students are equipped with strong analytical skills and a robust foundation in social science theories, enriched through empirical research and field-based learning. This comprehensive training prepares graduates for diverse career opportunities in teaching, management, research, policymaking, development sectors, media, and administration. SOH offers both undergraduate (BA) and postgraduate (MA) programmes across seven disciplines: Economics, History, Political Science, Sociology, Philosophy, Geography, and Education. While each programme emphasizes core disciplinary knowledge, they also engage in cross-disciplinary exploration to broaden academic perspectives and foster holistic learning. The School aligns its academic offerings with the dynamic socio-economic and political landscapes that shape humanities scholarship. As part of Seacom Skills University—an institution equipped with cutting-edge educational technologies—SOH integrates Information and Communication Technology (ICT) tools into its pedagogical approach, enhancing the overall learning experience. In recent years, the School has expanded its academic reach by initiating a research programme grounded in innovative methodologies and interdisciplinary engagement. This initiative aims to generate deeper insights into the evolving social realities of the modern world and reposition the School with a renewed and purposeful academic orientation. Looking ahead, the integration of modern educational technologies will play a pivotal role in shaping the relevance and development of humanities courses. These advancements will enrich the School’s programmes, ensuring their adaptability and alignment with ongoing transformations in the academic and societal domains.

### 4.6.1. Department of Political Science

1. Departmental Infrastructure: NA
2. Details of courses and course wise intake capacity: B.A and M.A (60 & 30)

#### 4.6.1.1. 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@gmail.com	8670781514

#### 4.6.1.2. 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.

**Orientation and Induction program for students:** NA

#### 4.6.2. Department of History

##### About the Department:

It is a composite department teaching varied courses in Indian History, Non-Indian History giving emphases to emerging areas like social History, intellectual History and subaltern History. Department of History unanimously persuaded multifaceted terrain of research.

Department of History				
Sl. No.	Name	Designation	Ph. No	E-mail
1.	Mrs. Abida Sultana	Asst. Professor	7908969776	<a href="mailto:histabida59@gmail.com">histabida59@gmail.com</a>

##### **Programs:**

**U.G.:** B.A. (History Honours) [4 years]

**P.G.:** M.A. (History) [2 years]

##### **Teaching Modes:**

**Traditional Lectures:** The department uses traditional lectures as a core method of instruction, providing students with foundational knowledge and insights into historical periods and events.

**Interactive Sessions:** Group Discussions: Encourages active participation and critical thinking among students by facilitating discussions on historical topics.

**Presentations:** Students are encouraged to present their research and analyses, enhancing their communication and analytical skills.

**Information and Communications Technology (ICT):** The department leverages technology to enhance the learning experience, including online resources, digital archives, and multimedia presentations.

**Seminars and Talks:** The department regularly organizes seminars and talks by eminent scholars, providing students with exposure to diverse perspectives and cutting-edge research.

**Film/Documentary Screenings:** Historical films and documentaries are used to enrich the learning experience and provide a visual and engaging understanding of the past.

**Field Trips:** The department organizes visits to museums, archives, and historical monuments to provide students with firsthand experience of historical sites and artifacts.

**Methodologies:**

**Historiographical Interventions:** The department introduces students to major historiographical interventions in the discipline, exploring different methodologies and their variations, such as Marxism or the Annales school.

**Methodological Intent:** The department also focuses on the methodological intent, research, and arguments of historians, encouraging students to critically analyze historical sources and interpretations.

**Thematic Readings:** The readings are divided thematically, covering a range of topics in Indian and world history.

**Interdisciplinary Approach:** The department encourages interdisciplinary approaches to history, integrating insights from other fields such as sociology, anthropology, and political science.

**Research-Oriented Learning:** The department emphasizes research-oriented learning, encouraging students to engage in independent research and contribute to the field of history.

**Holistic Learning Approach:** The department promotes a holistic learning approach, engaging students in both curricular and extracurricular activities, such as seminars, talks, and cultural events.

**Student-Friendly Environment:** The department strives to create a student-friendly environment that encourages active participation, critical thinking, and intellectual curiosity.

**Focus on Social Issues:** The department also strives to inculcate in their students sensitivity towards social issues.

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:

**Vision:**

The History Department aims to make the students aware of the past and its legacies through teaching, research and extension activities in Indian history in the context of world history. We believe that only a critical understanding of the past will enable the students to understand the present and help them look towards the future.

**Mission:**

- ❖ Transform the students into citizens who are critically informed about the past and its consequences for the present
- ❖ Promote studies in history, society and culture of Maharashtra in general and Maratha history in particular
- ❖ Empower students to cope with the challenges of globalization by instilling in them a life-long passion for learning about the past. The knowledge about the interconnections between the global, national, regional and local history will equip the students to face the challenges with confidence.

**4.6.2.1. FACULTY ROLES & RESPONSIBILITIES IN DEPARTMENT**

Sl. No	Lecturer in-charge	Responsibilities
1	Mrs. Abida Sultana - DIC, History	<ul style="list-style-type: none"> <li>➤ Subject allotment</li> <li>➤ Preparation of Time table</li> <li>➤ Time-table Monitoring</li> <li>➤ Scrutiny of Academic Record, Attendance Registers and Teaching Diary</li> <li>➤ Work status report</li> <li>➤ Syllabus preparation &amp; Compilation</li> <li>➤ Prepare &amp; Monitor academic activities</li> <li>➤ Design of Curriculum and Syllabi</li> <li>➤ Organizing Seminars &amp; workshops</li> <li>➤ Additional duties related to the Department of Controller of Examinations and Accounts</li> <li>➤ Class In-charge</li> </ul>

- **No of students:** M.A-02
- **Intake capacity:** UG – 30  
PG – 30
- **Syllabus:** Running National Education Policy 2020 from 2023 year and approved by university authority.
- **Number of Passed Out Students:** PG – 02(2023-2024)
- **Faculty engagement other than academic activity:**
  1. Participation in University cultural programme.
  2. Member of Women Empowerment Cell

- **Maximum marks obtained by students:** UG – 75% (As per the CBCS syllabus)  
PG – 85% (As per the CBCS syllabus)
- **Number of failed candidates:** UG – 00  
PG – 00
- Dissertation is done by PG students.
- Number of student:02
- **The percentage of attendance:** PG – 785% (Running Batch)

**Pictures of different FDPs attended and Cultural Programme:**



### 4.6.3. Department of Physical Education & Sports

#### 4.6.3.1. Faculty details:

Sl. No.	Name	Designation	Highest qualification
1.	Mr. Tuhin Kundu	Assistant Professor	M.P.Ed

Mr. Tuhin Kundu has been appointed at Seacom Skills University on 3<sup>rd</sup> August, 2023. He is working as Assistant Professor of Physical Education. Along with the various departmental work, Mr. Kundu is also assigned to look after the overall Sports and Physical Education of the Seacom Skills University. Mr. Kundu also works as a non-departmental faculty of several Departments and Schools like Agriculture, Pharmacy, Engineering, Arts and Humanities, Art and Culture etc. Mr. Tuhin Kundu works as a official member to participation of Seacom Skills University in various National University Tournament/ Games.

#### 4.6.3.2. Department Details:

Programme	Programme Details	Attended	Conducted	Delivered
Workshop	Two-day Workshop on Talent Identification and Talent Development in Sports. Org. by Department of Sports Science and Yoga, RMVERI, Belur Math, Howrah.	Yes	–	–
Workshop	Three-day workshop on Athlead Level 'O' Entry in Cricket Coaching. Org. By Shrachi Sports, Kolkata	Yes	–	–

#### 4.6.3.3. Celebrations:

Sl. No.	Programme	Day
1.	National Sports Day	29 <sup>th</sup> August
2.	SSU Annual Thanks giving day	1 <sup>st</sup> November
3.	Fit India Week	1 <sup>st</sup> December to 6 <sup>th</sup> December
4.	International Day of Yoga	21 <sup>st</sup> June

#### 4.6.3.4. Initiative for student development:

1. Organize so many events in such a way that has help to maintain and develop general fitness among students, teachers and others people of the University.
2. Prepared those events to create the environment that helps students to show their skills and abilities in various Sports.
3. Organized some exhibition matches with different teams like Visva-Bharati, local Clubs, academy etc. to know make performance abilities, match temperament as well as psychological development.

### **Administrative work done by the Faculty:**

1. Convener of the Seacom Skills University Games & Sports Committee since August 2023.
2. Official member from the Seacom Skills University for National University Games by Association of Indian Universities (AIU).
3. Member of the Seacom Skills University NIDM (National Institute of Disaster Management) committee.
4. SSU Advisory Committee member, Decoration committee member of SSU Convocation 2023-24.

### **4.6.4. Department of Library and Information Science**

#### **4.6.4.1. About the department:**

The Department of Library and Information Science (LIS) at the School of Arts and Humanities has made significant strides in academic, professional, and student development activities during the 2023-2024 academic year. This report summarizes the department's academic offerings, faculty contributions, events, awards, student initiatives, and enrollment details.

#### **4.6.4.2. Academic Programs and Course Offerings**

The department offers two key programs:

##### **Bachelor of Library and Information Science (BLIS):**

Semester 1: 9 courses, Full Marks (FM) 450.

Semester 2: 9 courses plus 1 project, Full Marks (FM) 550.

##### **Master of Library and Information Science (MLIS):**

Semester 1: 10 courses, Full Marks (FM) 500.

Semester 2: 8 courses, Full Marks (FM) 500.

These programs are designed to provide comprehensive training in library and information management, combining theoretical knowledge with practical applications.

#### **4.6.4.3. Faculty Contributions**

The department is led by Dr. Saswati Pal Choudhuri, who serves as the Departmental In-Charge. Key faculty activities for the year include:

##### **4.6.4.4. Publications and Research:**

3 research papers published.

##### **4.6.4.5. Professional Development:**

- 2 Faculty Development Programs (FDPs) attended.
- 5 lectures delivered.

- 2 workshops conducted.
- 3 seminars and 12 webinars organized or participated in.
- 1 conference attended.

#### **Guest Faculty:**

- Soumyashil Mukherjee served as a Guest Lecturer, contributing to the department's teaching efforts.
- Dr. Saswati Pal Choudhuri notably contributed to 12 webinars, reflecting strong engagement in knowledge dissemination within the academic community.

#### **4.6.4.6. Events and Celebrations**

The department organized several significant events to foster academic and cultural engagement:

- One-Day Seminar: Held on 05/07/2024, providing a platform for academic discourse.
- Librarians' Day: Celebrated on 12/08/2024 to honor contributions to the field of librarianship.
- Exhibition - "Rabindranath in Different Eyes": Held on 06/08/2024, this exhibition showcased portraits of Rabindranath Tagore, celebrating his legacy.
- The Knot of Humanity: Celebrating Rakhi: An event promoting cultural unity and community bonding.

These events highlight the department's commitment to blending academic rigor with cultural and social engagement.

#### **4.6.4.7. Awards and Achievements**

The department achieved a notable milestone by earning a certificate from INFLIBNET, Gujarat, recognizing its contributions to library and information science initiatives. This accolade underscores the department's dedication to advancing the field.

#### **4.6.4.8. Student Development Initiatives**

The department prioritized student development through:

- **Visit to Central Library of Visva-Bharati:** A field visit to provide students with practical exposure to advanced library systems.
- **Orientation and Induction Program:** A seminar cum interactive program was organized with students from Calcutta University, fostering collaboration and knowledge exchange.

These initiatives aim to bridge theoretical learning with real-world applications, enhancing students' professional competencies.

#### **4.6.4.9. Student Enrollment**

The department recorded the following enrollment figures:

- Undergraduate (BLIS): 10 students.
- Postgraduate (MLIS): 1 student.

While the postgraduate program currently has low enrollment, the department is focused on expanding its outreach to attract more students in future cycles.

## 4.6.5. Department of Geography

### 4.6.5.1. 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.

#### Mission

- Conducting disciplinary and integrative research in the physical and social sciences that spans local to global scales, with an emphasis on a geospatial perspective of our changing planet and its sustainability.
- Applying geographic science to societal and environmental issues in our state, the nation and the global community

#### Vision

- To lead the development of academic, educational, and research directions of human and natural systems, landcover/and land use change and geospatial information science, harnessing the integrative nature of geographic science to answer fundamental questions of global importance.

### 4.6.5.2. 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
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#### 4.6.5.3. Faculty and Staff Details:

Sl. No.	Name of Faculty	Designation	Working Mode
1.	Dr. Kumarjeet Chatterjee	Assistant Professor and HOD	Full Time
2.	Mrs .Swagata Mondal	Assistant Professor	Full Time

#### 4.6.5.4. Publication

JOURNAL NAME	CHAPTER TITLE	AUTHORS	ISSN AND VOL. NO.
JOURNAL OF EMERGING TECHNOLOGIES AND INNOVATIVE RESEARCH	ECO-TOURISM AND ENVIRONMENTAL SUSTAINABILITY: A CASE STUDY ON DUARS REGION, WEST BENGAL	KUMARJEET CHATTERJEE, SWAGATA MONDAL	2349-5162 MARCH 2023, VOL. 10, ISSUE-3

#### 4.6.5.5. School/Department details

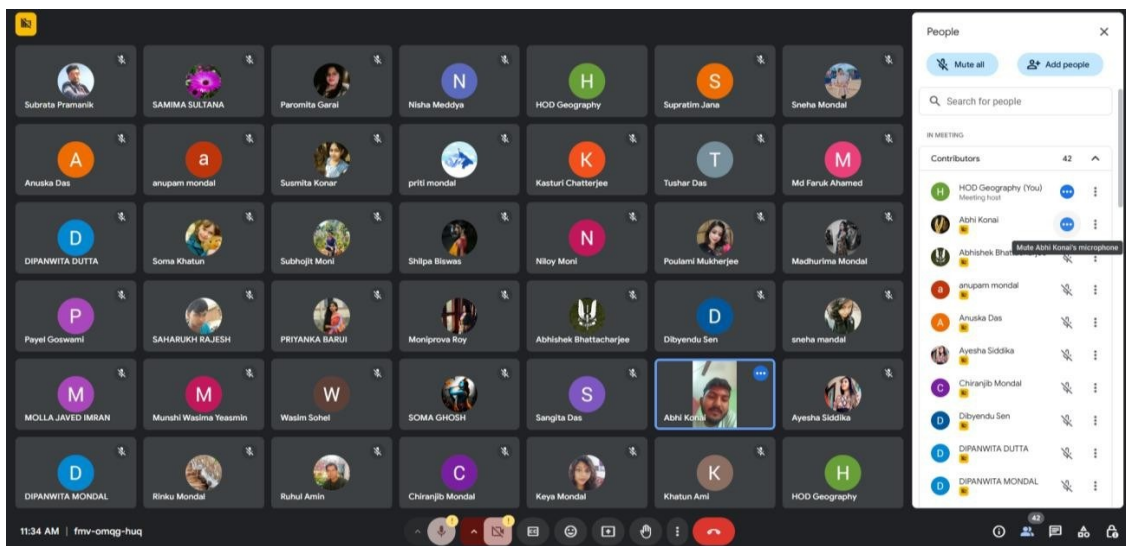
NAME OF THE PROGRAMME	ORGANIZED BY	COURSE DURATION
1. ONLINE HAND ON TRAINING PROGRAMME ON REMOTE SENSING AND GIS WITH APPLICATION OF ADVANCE STATISTICAL SOFTWARE(RSGASS )	DEPARTMENT OF GEOGRAPHY HIRALAL BHAKAT COLLEGE, NALHATI, BIRBHUM AND CENTRE FOR ENVIRONMENTA L RESEARCH EDUCATION AND	28.05.2023 TO 23.07.2023

	DEVELOPMENT (CERED) OF HARIHARPUR FRIENDS OF ENVIRONMENT (HFOE)	
<b>2. ROLE OF TECHNICAL INSTITUTIONS IN COMMUNITY DEVELOPMENT</b>	<b>NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING AND RESEARCH (NITTTR), KOLKATA</b>	<b>08.05.2023 TO 12.05.2023</b>

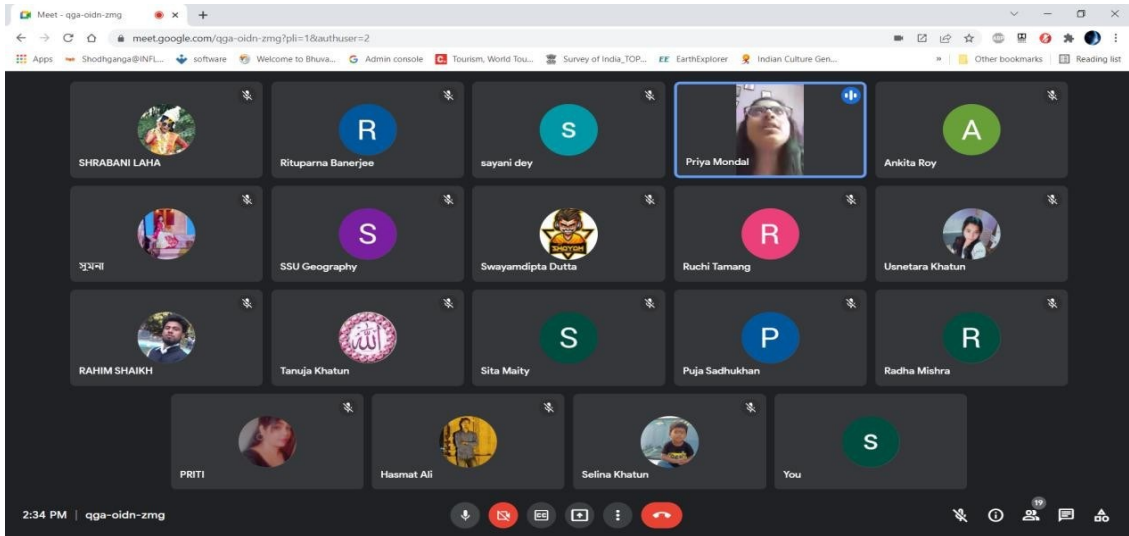
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#### 4.6.5.6. Initiative for student development

##### Group discussion on job opportunity



## Grooming Session



### 4.6.5.7. Student Details

COURSE	SEMESTER	NUMBEROF STUDENTS
PG	1	42
PG	3	38
UG	1	1

## 4.7. School of Language and Literature

The School of Languages and Literature occupies a distinctive position within the academic framework of the university, serving as a dynamic intersection between the practical acquisition of language and communication skills and the critical study of literature and cultural expression. This inherently multicultural and interdisciplinary domain is guided by two core objectives: the enhancement of communication proficiency in the languages offered, and the cultivation of intercultural awareness—both essential for nurturing globally responsible citizens. At the foundational level, students are equipped with essential skills to develop and strengthen their oral and written comprehension and expression in three major languages: English, Bengali, and Sanskrit. These languages, among the most widely spoken and studied, serve as key vehicles for both functional communication and cultural engagement. As students’ progress to more advanced stages, the curriculum deepens their intellectual engagement with literature and culture, encouraging the development of critical thinking, refined articulation, and sophisticated writing abilities. Through this, students explore how meaning is constructed through language—arbitrary, context-driven, and culturally embedded—thus learning to critically evaluate, deconstruct, and reconstruct meaning with analytical precision. Moreover, students gain insights into both historical and contemporary global cultural landscapes, enabling a nuanced understanding of the power structures and ideological forces that shape and sustain diverse cultural practices as conveyed through language and literary forms. The School of Languages and Literature, therefore, not only fosters linguistic mastery but also empowers students to engage meaningfully with the world through a critical and culturally sensitive lens.

### 4.7.1. Department of English

#### 4.7.1.1. 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. NEP2020 is also being implemented with Four Year UG Programme starting from 2023 session onwards. 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.

#### 4.7.1.2. Programmes Offered and Intake Capacity:

BA (Hons)	50
MA	30

#### 4.7.1.3. 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	Associate Professor	Indian Diasporic Literature	7
2	Dr. Mousumi Das	PhD	Assistant Professor (PT)	Indian Writing in English	0

#### 4.7.1.4. Paper publication:

##### Dr. Amit Shankar Saha

- “The perspectives of innocence and experience in Graham Greene’s short story ‘The Basement Room’”. *International Journal of English Research*. Vol. 10, Issue 1, 2024. Pp. 13-14. ISSN 2455-2186. (Co-authored with Bikash Mondal)

<https://www.englishjournals.com/assets/archives/2024/vol10issue1/10006.pdf>

#### 4.7.1.5. Book Publication:

##### Dr. Amit Shankar Saha

- *Transitions: Indian Diaspora and Four Women Writers*. Kolkata: Virasat Art Publication. September 2023. ISBN 978-93-93063-44-1.

#### Book Chapter Publication by Dr. Mousumi Das

- “Indian Constitution and its values in Case of Building and Fostering Peace Education.” Published in the book *Pacifism - Fostering Peace and Values*. Edited by Prof. Birbal Saha and Anasuya Adhikari. ISBN- 978-93-91771-63-8, Crescent Publishing Corporation, 2023.

#### 4.7.1.6. FDP, Lecture, Seminar, Workshop, Webinar, Conference:

##### Lecture Delivered by Dr. Amit Shankar Saha

- "The Strange Case of an Elephant at a Lit Fest." Unmesha: International Literature Festival organized by the Ministry of Culture, Government of India and Sahitya Akademi. Bhopal: 3-6 August, 2023.

##### Attended by Dr. Amit Shankar Saha

1. “Energy Literacy Training.” A 12 module online course conducted by Energy Swaraj Foundation. 18<sup>th</sup> April, 2024.
2. “How to Face Peer Team Visit and SSS.” Four-Day Online Course organized by IQAC Cluster. 19<sup>th</sup> March to 9<sup>th</sup> April, 2024.
3. “One-Day FDP on Ideation, Orientation and Promotions to Create Start-ups and Entrepreneurial Ventures in the University.” Organized by Institution Innovation Council (IIC) of Seacom Skills University. 13<sup>th</sup> February, 2024.
4. “Understanding New Changes: Binary Accreditation and its Methodology in NAAC.” Webinar organized by IQAC Cluster. 5<sup>th</sup> February, 2024.
5. “Orientation to Old Method of NAAC Process and Important Insights about New Binary/ Graded Accreditation System.” Online session organized by Accreditation, Ranking and Certification Network of India (ARCNET) and CliMed Research Solutions. 31<sup>st</sup> January, 2024.
6. "5th National Level Workshop on NIRF India Rankings 2024." Online Workshop organized by Institute of Academic Excellence (IAE). 13th and 14th December, 2023.
7. “Transformation through NAAC Accreditation Process.” 3<sup>rd</sup> National Level Workshop (Online) organized by Institute of Academic Excellence (IAE). 30<sup>th</sup> and 31<sup>st</sup> October, 2023.
8. “Outcome Based Education and Essential Tools for Teachers.” 7–Day National Level Online Faculty Development Programme organized by IQAC of Carmel College, Mala Thrissur and the Kerala State Higher Education Council. 10<sup>th</sup> – 18<sup>th</sup> August, 2023.

#### 4.7.1.7. Student Details:

##### Student Admission:

Course	Admitted	Total in all years combined
UG	3	7
PG	9	12

##### Final Semester Examination Results:

Course	Appeared	Passed
UG	3	3
PG	3	2

#### 1. Other Information:

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

#### 4.7.2. DEPARTMENT OF SANSKRIT

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

**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)

**Course wise intake capacity:** M. A: 30  
B.A : 60

**Syllabus:** UG syllabus formed as NEP2020 pattern. Approved by University authority.

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

##### 4.7.2.1. Faculty Details :

No. of Faculty : 01  
Faculty Details of the Department of Sanskrit

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.

**Paper publication under Seacom Skills University : 1**

Aruṇāṁsu, Prof. Arun Kumar Mondal Felicitation Volume, ISBN- 978-81-19323-29-6, Ethical values according to the Qur'an and the Gita - a comparative study, 2023.

**Any book published by faculty: N.A**

**School/ Department details:**

**a. FDP, Lectures, Seminars, Workshop, Webinar, Conference :**

**Mention the above with following aspect: Conducted/ Attended / Delivered:**

1. 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, 20th September, 2023.
2. 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.
3. Participated in the International Mother Language Day held on Feb. 21, 2024 organized by the NDLI Club of Seacom Skills University .

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

**c. Awards & Achievements : N.A**

**d. Any initiative for student development : N.A**

**e. Orientation and Induction Program for Students : N.A**

**Student Details :**

Total number of students present in the School/ Department from August 2023 to July - 2024

**M.A. – 03**

Final year Students details (2023-24)

**B.A Course - 00**

## 4.8. 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.

### 4.8.1. 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 80 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 80 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.

### 4.8.2. Faculty and staff

- Dr. Kishwar Parween- Principal of School of Legal Studies- mail id: sols.seacom@gmail.com
- Dr. Amitra Sudan Chakraborty (Professor)- mail id- phdonhrd@gmail.com
- Dr. Tanushree Bhattacharjee- faculty of the school of legal studies- mail id: bhattacharjeetanushree21@gmail.com
- Sweta Ghosh (Asst. Prof.)- mail id.- swetagghosh929@gmail.com
- Shibayan Chattopadhyay- faculty of the school of legal studies- mail id: shivayan.ssu@gmail.com
- Chandrani Bhattacharyya (Asst. Prof.)- mail id.- bhattacharyyachandrani66@gmail.com
- Amarjit Karmakar (Asst. Prof.)- mail id- amarjitkarmakarofficial@gmail.com
- Srijan Bairagya- faculty of the school of legal studies- mail id:bairagyasrijan@gmail.com
- Deblina Biswas - faculty of the school of legal studies- mail id: dbiswas1796@gmail.com
- Astika Hazra (Asst. Prof.)- mail id.- astika.hazra@gmail.com
- Bapan Ghosh (Asst. Prof.)- mail id- bapanghosh176@gmail.com
- Richa Khanna (Asst. Prof.) – mail id.- richakhanna315@gmail.com
- Ruksana Samim- - faculty of the school of legal studies- mail id: r.samim.lina01@gmail.com
- Md Adil Haider- faculty of the school of legal studies- mail id: adilhaider548557@gmail.com
- Pragna Paramita Guha Roy (Asst. Prof.)- mail id.- gpragnaparamita1996@gmail.com
- Priya Chaudhuri (Asst. Prof.)- mail id.- priyachaudhuri0236@gmail.com

## School details

1. Dr. Kishwar Parween had participated on 1<sup>st</sup> online national faculty development programme organized by Chandigarh Law College, Jhanjeri (Mohali)



2. Dr. Kishwar Parween had participated on 5 days FDP on interface between law and technology organised by VIT AP school of law, VIT- AP university from 17<sup>th</sup> January – 22<sup>nd</sup> January, 2024



3. Srijan Bairagya had participated in the two-day 5<sup>th</sup> national level workshop on NIRF India rankings 2024 for higher educational institutions held on 13<sup>th</sup> and 14<sup>th</sup> December, 2023.



4. Srijan Bairagya had participated in the new IPR 2023 e-workshop organized by innovative technology enabling center (InTEC), CSIR-IMMT, Bhubaneswar during, June 12- 17, 2023.



5. Srijan Bairagya had participated in IP Awareness/ training programme national intellectual property awareness mission on January 31, 2023.



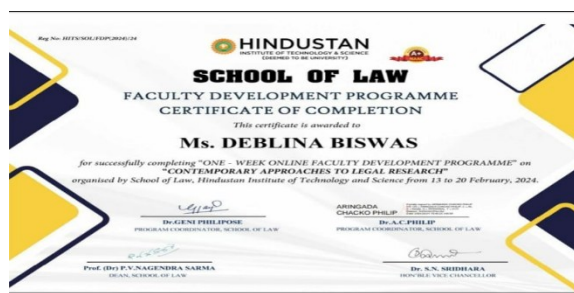
6. Srijan Bairagya had participated FDP on ideation, orientation and promotion to create startups on 13<sup>th</sup> march 2024



7. Deblina Biswas had participated on 1<sup>st</sup> online national faculty development programme organized by Chandigarh Law College, Jhanjeri ( Mohali)



8. Deblina Biswas had participated one week FDP on contemporary approaches to legal research.



9. Deblina Biswas had participated on 5days FDP on interface between law and technology organised by VIT AP school of law, VIT- AP university from 17<sup>th</sup> January – 22<sup>nd</sup> January, 2024.



10. Shibayan Chattopadhyay had participated in One Week Faculty Development Programme (FDP) on AI Tools for Academic Research (Virtual Mode) organized by Centre for Information



Resource Management (CIRM) of the University of Kalyani held during 22- 28th February, 2024.

11. Shibayan Chattopadhyay had participated the Faculty Development Programme on Ideation, Orientation and Promotions to Create Start-ups and Entrepreneurial Ventures in the University conducted by the Institution's Innovation Council (IIC) at Seacom Skills University on 13th March, 2024.



12. Shibayan Chattopadhyay had participated in the 7 days Faculty Development Program on Crime, Law and Justice: An Interdisciplinary Perspective organised by The Rajiv Gandhi School of Intellectual Property Law, Indian Institute of Technology Kharagpur from 11th - 17th May, 2024.



13. Shibayan Chattopadhyay had participated in One Week International Faculty Development Program on “The Emerging Technology Trends: Shaping the Future of Forensics” from 1st to 5th August 2024 organised by National Forensic Sciences University (NFSU, DELHI) IN ASSOCIATION WITH International Association of Forensic Sciences & MINISTRY OF HOME AFFAIRS, Government of India.

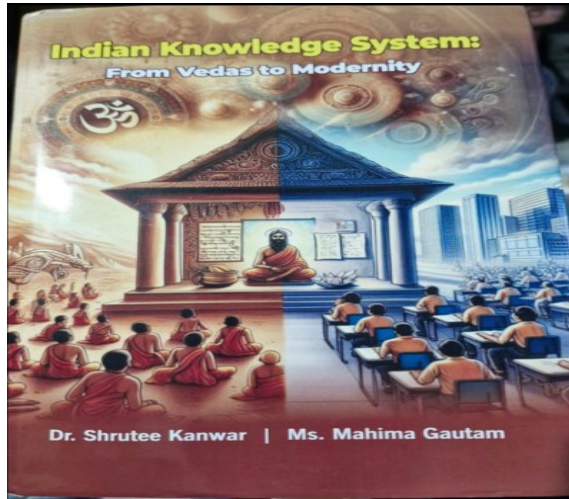


14. Shibayan Chattopadhyay had participated in five days “Faculty Development Programme” based on “ARTIFICIAL INTELLIGENCE IN LEGAL

PEDAGOGY” held from 27th August to 31st August, 2024 organized by the Department of Legal Science, Techno India University, West Bengal.



- Shibayan Chattopadhyay had published a Book Chapter titled “Introduction to the Indian Knowledge System: Navigating Traditional Wisdom with Contemporary Relevance”, In the Book “Indian Knowledge System: From Vedas to Modernity”, Published in P.K. Publishers & Distributors with ISBN 978-81-979457-2-4.



#### 4.8.2.1. 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.



#### 4.8.2.2. 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 Supreme Court, Parliament, National Human Rights Commission, Indian Law Institute, High Court, and the West Bengal Legislative Assembly (Bidhan Sabha)..



## 4.9. School of Paramedical and Allied Health Sciences

### 4.9.1. About the School

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.

### 4.9.2. 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
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#### 4.9.3. Eligibility criteria of the Courses:

##### **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.

##### **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.

##### **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

#### 4.9.4. Faculty and Staff details

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

#### 4.9.5. School / Department Details:

<p style="text-align: center;"><b>FDP</b></p>	<p style="text-align: center;"><i>Urmimala Ganguly</i></p> <p style="text-align: center;"><b>1. Five Days FDP (Online Mode) on ‘Recent Advances and Future Trends in AI and NLP’</b> Organized by – Global Institute of Science &amp; Technology , Haldia, W.B</p> <p style="text-align: center;"><b>2. Ideation, Orientation and Promotions to Create Start – ups and Entrepreneurial Ventures in the University</b> Organized by – IIC, Seacom Skills University</p> <p style="text-align: center;"><i>Tahsina Tabia</i></p> <p style="text-align: center;"><b>1. Five Days FDP (Online Mode) on ‘Recent Advances and Future Trends in AI and NLP’</b> Organized by – Global Institute of Science &amp; Technology , Haldia, W.B</p> <p style="text-align: center;"><b>2. Ideation, Orientation and Promotions to Create Start – ups and Entrepreneurial Ventures in the University</b> Organized by – IIC, Seacom Skills University</p>
<p style="text-align: center;"><b>LECTURES</b></p>	<p style="text-align: center;">Nil</p>
<p style="text-align: center;"><b>SEMINAR</b></p>	<p style="text-align: center;"><i>Department Of MLT</i> Thalassemia: An Overview Organized by – Department of Medical Laboratory Technology Keynote Speaker – Dr. Saiqa Nisar MBBS, MD (Pathology)</p> <p style="text-align: center;"><i>Urmimala Ganguly {Faculty}</i></p> <p style="text-align: center;">1. National Seminar on Sustainable Agriculture, Rural Development and Future Food Security in India and Interdisciplinary Approach Organized by – AGRI ECO &amp; AESSRA</p> <p style="text-align: center;">2. Programme Co-ordinator of a Seminar - Thalassemia: An Overview Organized by – Department of Medical Laboratory Technology</p> <p style="text-align: center;"><i>Tahsina Tabia {Faculty}</i></p> <p style="text-align: center;">1. Programme Co-ordinator of a Seminar - Thalassemia: An Overview Organized by – Department of Medical Laboratory Technology</p> <p style="text-align: center;">2. Recent Advances in Science and NASA Technologies to Unlock the Mysteries of the Universe Organized by – Department of Physics &amp; IQAC, RBC College, Naihati, W.B</p>
<p style="text-align: center;"><b>WEBINAR</b></p>	<p style="text-align: center;">Nil</p>

<p><b>WORKSHOP</b></p>	<p><b><i>Tahsina Tabia {Faculty}</i></b></p> <p>1.Talent Identification and Talent Development in Sports Organized by – Department of Sports and Yoga , Rakrishna Mission Vivekananda Research Institute, Belur, W.B</p>
<p><b>CONFERENCE</b></p>	<p><b><i>Urmimala Ganguly {Faculty}</i></b></p> <p>1.International Conference On Global Disease Biology: Perspective Biotechnology Organized by – The University Of Burdwan 2.Third International Conference on – Changing Dimensions of Business and Technology</p>
<p><b>CELEBRATIONS &amp; EVENTS CONDUCTED IN THE PARTICULAR SCHOOL</b></p>	<p><b><i>1.Krishi Mela (2023)</i></b> Participation and Free Health Campaigning Organized by – School of Agriculture in association with IIC, SSU</p> <p><b><i>2.Free Health Camp</i></b> Organized by – Department of Medical Laboratory Technology Seacom Skills University</p>
<p><b>AWARDS AND ACHEIVEMENTS</b></p>	<p>Nil</p>
<p><b>INITIATIVE FOR STUDENTS DEVELOPMENT</b></p>	<p><b><i>Md Anjamul Haque {Student}</i></b> AIU Zonal University Championship (Cricket) Organized by - Association of Indian Universities</p>
<p><b>ORIENTATION AND INDUCTION PROGRAMME FOR STUDENTS</b></p>	<p><b>Induction Programme</b></p> <ul style="list-style-type: none"> <li>• General orientation</li> <li>• Cultural and other program and events of sports</li> <li>• System of library and availability of books and journals <ul style="list-style-type: none"> <li>• Examination systems of university</li> </ul> </li> <li>• SWAYAM and MOOCS and curriculum activity</li> <li>• Scope of pharmacy profession/Scope of MLT profession <ul style="list-style-type: none"> <li>• Overall Syllabus of pharmacy/ MLT</li> <li>• Women Harassment in working place <ul style="list-style-type: none"> <li>• Anti ragging and hostel</li> <li>• Availability of scholarship</li> </ul> </li> </ul> </li> <li>• Present status and future prospect of placement in Seacom <ul style="list-style-type: none"> <li>• Environment</li> </ul> </li> <li>• Discipline in class room and laboratory and dress code</li> </ul>

#### 4.9.6. Students Details

Programme	Course	Present students' number
Under Graduate	Bachelor of Medical Laboratory [BMLT]	79
Diploma	Diploma In Medical Laboratory [DMLT]	19
Vocational Course	Vocational course of Medical Laboratory Technology	7

#### Students are pursuing their hospital training in Govt. Hospitals:

- Rampurhat Govt. Medical College and Hospital
- Santiniketan Medical Center Multispeciality Hospital
- Tamralipto Govt. Medical College and Hospital
- Suri Superspeciality Hospital
- Burdwan Medical College and Hospital
- Murshidabad Medical College and Hospital

#### Students are pursuing their hospital training in Private Hospitals:

- Agilus (SRL Diagnostics)
- Mediland
- Suraksha Diagnostics
- CityMed
- New Town Nursing Home
- Aastha
- Arica
- Metropolis Healthcare Ltd.

## 4.10. School of Pharmacy

### 4.10.1. About the School

The School of Pharmacy at Seacom Skills University, started Its humble journey in the year 2017. It 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. It is well connected with Kolkata as well as different districts and neighbouring states.

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 placements in Pharma Industries, Marketing, Hospital Pharmacy, Community Pharmacy and Clinical trial organisation.

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 pharmaceutical 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.

#### 4.10.2. Details of Courses and Course Wise Intake

DETAILS OF COURSES AND COURSE WISE INTAKE		
Diploma in Pharmacy (D. Pharm) 60 Seats	Bachelor of Pharmacy (B. Pharm) 100 Seats.	Master of Pharmacy (M. Pharm)- Pharmaceutics- 15 Seats Pharmaceutical Chemistry- 15 Seats

#### 4.10.3. Faculty and Staff Details

NAME OF THE EMPLOYEE	DESIGNATION	SPECIALIZATION	EXPERIENCE IN YEARS
Prof. Ranabir Chanda	Principal	Pharmaceutics	22 Years
Mr. Prabir Kumar Banerjee	Associate Professor	Pharmaceutics	26 yrs in Drug Control Dept and Industry 5 Years in teaching
Mr. Arijit Mallick	Associate Professor	Pharmaceutics	12 yrs Industry experience. 6 months in Teaching
Ms. Madhumita Banerjee	Assistant Professor	Pharmaceutics	3.6 Years
Mr. Arindam Chakraborty	Assistant Professor	Pharmaceutical Biotechnology	2.9 Years
Mr. Hira Das	Assistant Professor	Pharmacology	2.7 Years
Ms. Teasha Chakraborty	Assistant Professor	Pharmacology	1 Years
Ms. Debolina Kundu	Assistant Professor	Pharmaceutics	1.9 Years
Mr. Somenath Mondal	Assistant Professor	Pharmaceutics	1.9 Years
Ms. Titin Debnath	Assistant Professor	Pharmacology	1.9 Years
Mr. Sourav Mondal	Assistant Professor	Pharmacology	1.7 Years
Mr. Rudrajit Saha	Assistant Professor	Pharmaceutics	1.5 Years
Mr. Rounak Bhattacharya	Assistant Professor	Pharmaceutics	0.10 Years
Ms. Krishna Pal	Assistant Professor	Pharmacognosy	0.10 Years
Mr. Arpan Roy	Assistant Professor	Pharmaceutical Chemistry	0.10 Years
Mr. Himalay De	Assistant Professor	Pharmaceutics	0.10 Years
Ms. Saptaparna Manna	Assistant Professor	Pharmaceutical Biotechnology	0.10 Years
Ms. Anasha Mukhopadhyay	Assistant Professor	Pharmaceutics	0.10 Years
Mr. Arpan Roy	Assistant Professor	Pharmaceutics	0.10 Years
Ms. Sampriti Das	Assistant Professor	Pharmacology	0.10 Years

<b>Ms. Ratna Mondal</b>	Assistant Professor	Pharmacology	0.9 Years
<b>Mr. Soumik Patra</b>	Assistant Professor	Pharmaceutics	0.5 Years
<b>Ms. Rumpa Dutta</b>	Lecturer	B.Pharm	0.6 Years
<b>Mr. Indranil Karmakar</b>	Lecturer	B.Pharm	0.6 Years
<b>Mr. Chiranjit Mondal</b>	Technical Assistant	M.Sc. (Zoology)	6 Years
<b>Mr. Rahul Dutta</b>	Technical Assistant	B.Sc. (Zoology)	6 Years
<b>Mr. Masud Karim</b>	Laboratory Technician	D.Pharm.	1.5 Years

#### 4.10.4. Publication Details

NAME OF THE FACULTY	PUBLICATION
<b>Prof. Ranabir Chanda</b>	<ol style="list-style-type: none"> <li>1. Preparation and characterization of herbal face cream using different plants, Hindol Chakraborty, Disha Roy, Sunanda Mitra, Nazibullah Sarkar, Ranabir Chanda, Debgonal Ganguly, Journal of Applied Pharmacognosy and Phytochemistry, 2024, 4(1): 27-31</li> <li>2. Nanoparticulate Formulation for the Treatment of Different Types of Colon Disease Line Ulcerative Colitis: A Comprehensive Review, Debgonal Ganguly, Ananta Choudhury, Ranabir Chanda, Hira Das, Sumit Mitra, Riya Ghosh, Journal of Young Pharmacists, 2023, 15(4): 585:588.</li> </ol>
<b>Mr. Prabir Kumar Banerjee</b>	<ol style="list-style-type: none"> <li>1. <a href="#">From Bench To Bedside: The Journey Of Drug Discovery And Development</a> P Banerjee, Kumar, R Bhattacharya, D Sen, S Panja, S Nassim, Parua, Subhadeep, Ghosh, Mukul World Journal Of Pharmacy And Pharmaceutical Sciences 13 (08), 2399-2422</li> </ol>
<b>Mr. Arijit Mallick</b>	<ol style="list-style-type: none"> <li>1. Advanced Hydrogel Formulation and Evaluation for Improved Carboplatin Delivery in Cancer Treatment. S. Arora, A. Mallick, P. Pakalpati, S.V. Gautam. A.M. Nirwana, Mr. Kunal, P.M. Dilip, S. V. Abhang, AFJBS,6;2024.</li> </ol>
<b>Mr. Arindam Chakraborty</b>	<ol style="list-style-type: none"> <li>1. Isolation and Characterization of Microorganisms from Different Sources of Drinking Water and the and the Effect of some Marketed Antibiotics against the isolated Microorganism. Arindam Chakraborty, Debdeep Mondal, Payel Mukherjee, Rajesh Ghosh, Debgonal Ganguly, Manas Chakraborty. International Journal of All Research Education and Scientific Methods. 2023; 11(7); 760-766.</li> </ol>
<b>Ms. Debolina Kundu</b>	<ol style="list-style-type: none"> <li>1. Synthetic Drug Metformin Effective Against Anti-Diabetics Abesh Das; Arka Guin; Sayoni Moni; Debolina Kundu; Dr. Samaresh Mondals ijrpr,3120-3127,2024</li> </ol>

<p><b>Mr. Somenath Mondal</b></p>	<ol style="list-style-type: none"> <li>1. <a href="#"><u>Gas Chromatography Unveiled: A Short Examination Of Analytical Advancements</u></a> R Bhattacharya, R Saha, S Mondal, D Titin International Journal Of Creative Research Thoughts 11 (12), C214-C221</li> <li>2. <a href="#"><u>Beyond The Peaks: Exploring The World Of Mass Spectrometry</u></a> R Saha, R Bhattacharya, S Mondal, T Debnath British Journal Of Pharmaceutical And Medical Research 8 (06), 4423-4437</li> <li>3. <a href="#"><u>Breaking Down Tablets: An In-Depth Analysis Of Formulation Types And Evaluation Techniques</u></a> R Bhattacharya, S Mazumder, R Saha, M Somenath World Journal Of Pharmacy And Pharmaceutical Sciences 13 (1), 917-933</li> <li>4. <a href="#"><u>Antibiotic Combination Therapy: A Strategy To Overcome Bacterial Resistance To Aminoglycoside Antibiotic</u></a> T Debnath, S Parua, R Saha, S Mondal, R Bhattacharya Indo American Journal Of Pharmaceutical Research 14 (02), 121-133</li> <li>5. <a href="#"><u>Skin-Deep Insights: Exploring Transdermal Drug Delivery Systems In A Brief Review</u></a> R Saha, R S.K, R Bhattacharya, S Mondal, T Debnath International Journal Of Pharmaceutical Sciences 2 (3), 601-612</li> <li>6. <a href="#"><u>Transcending Barriers: Innovations In Transdermal Drug Delivery System Design And Their Evaluation</u></a> R Bhattacharya, S Mukherjee, R Saha, S Mondal Indo American Journal Of Pharmaceutical Research 14 (01), 78-88</li> </ol>
<p><b>Ms. Titin Debnath</b></p>	<ol style="list-style-type: none"> <li>1. <a href="#"><u>Skin-Deep Insights: Exploring Transdermal Drug Delivery Systems In A Brief Review</u></a> R Saha, R S.K, R Bhattacharya, S Mondal, T Debnath INTERNATIONAL JOURNAL OF PHARMACEUTICAL SCIENCES 2 (3), 601-612</li> <li>2. <a href="#"><u>GAS CHROMATOGRAPHY UNVEILED: A SHORT EXAMINATION OF ANALYTICAL ADVANCEMENTS</u></a> R Bhattacharya, R Saha, S Mondal, D Titin International Journal Of Creative Research Thoughts 11 (12), C214-C221</li> <li>3. <a href="#"><u>Beyond The Peaks: Exploring The World Of Mass Spectrometry</u></a> R Saha, R Bhattacharya, S Mondal, T Debnath BRITISH JOURNAL OF PHARMACEUTICAL AND MEDICAL RESEARCH 8 (06), 4423-4437</li> <li>4. <a href="#"><u>ANTIBIOTIC COMBINATION THERAPY: A STRATEGY TO OVERCOME BACTERIAL RESISTANCE TO AMINOGLYCOSIDE ANTIBIOTIC</u></a> T Debnath, S Parua, R Saha, S Mondal, R Bhattacharya Indo American Journal Of Pharmaceutical Research 14 (02), 121-133</li> </ol>
<p><b>Mr. Rudrajit Saha</b></p>	<ol style="list-style-type: none"> <li>1. <a href="#"><u>Gas Chromatography Unveiled: A Short Examination Of Analytical Advancements</u></a></li> </ol>

	<p>R Bhattacharya, R Saha, S Mondal, D Titin International Journal Of Creative Research Thoughts 11 (12), C214-C221</p> <p>2. <a href="#">Beyond The Peaks: Exploring The World Of Mass Spectrometry</a> R Saha, R Bhattacharya, S Mondal, T Debnath British Journal Of Pharmaceutical And Medical Research 8 (06), 4423-4437</p> <p>3. <a href="#">Breaking Down Tablets: An In-Depth Analysis Of Formulation Types And Evaluation Techniques</a> R Bhattacharya, S Mazumder, R Saha, M Somenath World Journal Of Pharmacy And Pharmaceutical Sciences 13 (1), 917-933</p> <p>4. <a href="#">Antibiotic Combination Therapy: A Strategy To Overcome Bacterial Resistance To Aminoglycoside Antibiotic</a> T Debnath, S Parua, R Saha, S Mondal, R Bhattacharya Indo American Journal Of Pharmaceutical Research 14 (02), 121-133</p> <p>5. <a href="#">Skin-Deep Insights: Exploring Transdermal Drug Delivery Systems In A Brief Review</a> R Saha, R S.K, R Bhattacharya, S Mondal, T Debnath International Journal Of Pharmaceutical Sciences 2 (3), 601-612</p> <p>6. <a href="#">Transcending Barriers: Innovations In Transdermal Drug Delivery System Design And Their Evaluation</a> R Bhattacharya, S Mukherjee, R Saha, S Mondal Indo American Journal Of Pharmaceutical Research 14 (01), 78-88</p>
<p>Mr. Rounak Bhattacharya</p>	<p>1. <a href="#">Gas Chromatography Unveiled: A Short Examination Of Analytical Advancements</a> R Bhattacharya, R Saha, S Mondal, D Titin International Journal Of Creative Research Thoughts 11 (12), C214-C221</p> <p>2. <a href="#">Beyond The Peaks: Exploring The World Of Mass Spectrometry</a> R Saha, R Bhattacharya, S Mondal, T Debnath British Journal Of Pharmaceutical And Medical Research 8 (06), 4423-4437</p> <p>3. <a href="#">Breaking Down Tablets: An In-Depth Analysis Of Formulation Types And Evaluation Techniques</a> R Bhattacharya, S Mazumder, R Saha, M Somenath World Journal Of Pharmacy And Pharmaceutical Sciences 13 (1), 917-933</p> <p>4. <a href="#">Antibiotic Combination Therapy: A Strategy To Overcome Bacterial Resistance To Aminoglycoside Antibiotic</a> T Debnath, S Parua, R Saha, S Mondal, R Bhattacharya Indo American Journal Of Pharmaceutical Research 14 (02), 121-133</p> <p>5. <a href="#">Skin-Deep Insights: Exploring Transdermal Drug Delivery Systems In A Brief Review</a> R Saha, R S.K, R Bhattacharya, S Mondal, T Debnath International Journal Of Pharmaceutical Sciences 2 (3), 601-612</p> <p>6. <a href="#">Transcending Barriers: Innovations In Transdermal Drug Delivery System Design And Their Evaluation</a> R Bhattacharya, S Mukherjee, R Saha, S Mondal Indo American Journal Of Pharmaceutical Research 14 (01), 78-88</p>

	7. <a href="#">From Bench To Bedside: The Journey Of Drug Discovery And Development</a> P Banerjee, Kumar, R Bhattacharya, D Sen, S Panja, S Nassim, Parua, Subhadeep, Ghosh, Mukul World Journal Of Pharmacy And Pharmaceutical Sciences 13 (08), 2399-2422
Mr. Arpan Roy (CEU)	1. Kar B, Mahanti B, Kar AK, Mazumder R, Roy A, Majumdar S. Nanoliposome enabled topical gel-based drug delivery system of ivermectin: Fabrication, characterization, in vivo and in vitro investigation. Intelligent Pharmacy. 2024 Apr 21.
Mr. Soumik Patra	1. Biswas GR, Patra S, Dutta P, Khanra R. Ex Vivo Permeation Study of Terbinafine Hydrochloride from Nanostructured Lipid Carrier-based Formulation. Pharmaceutical and Biomedical Research. 2024; 10(3);229-246.

#### 4.10.5. Book Publication

Name of Faculty	Book Details
Prof. Ranabir Chanda	Mucosal Drug delivery System, Mackhingee Publisher.

#### 4.10.6. Patent Published

Name of Faculty	Patent Details
ARPAN ROY (CEU)	Lyophilizer machine used for drying of parenteral product
ANANSHA MUKHOPADHYAY	Laboratory polarimeter for predicting optical rotation of chemical compounds

#### 4.10.7. FDP, Lecture, Seminar, Workshop, Webinar, Conferences Attended by Faculties

Sl No	Name of Faculty	FDPs	Lecture/ Seminar/ Workshop	Webinar/ Conference
1	PRABIR KUMAR BANERJEE		1. Participated at the 26th APTICON held in Kanpur and	

attended different scientific sessions, From 6th-7th September'23.

2. Attended a scientific seminar at Dr H.L. Roy auditorium as Chairperson of a panel discussion organised by IPA Bengal Branch, On 26th November'23.

3. On 27th January'24 participated as moderator at a scientific seminar organised by Institute of Pharmacy, Jalpaiguri.

4. From 8th-9th March'24 participated as Chairperson at a scientific seminar organised by School of Natural Product Studies, Jadavpur University.

5. From 5th-7th July'24 attended

the 73rd Indian Pharmaceutical Congress held at Hyderabad as Scientific Services Committee member and also co-chaired a panel discussion where eminent speakers from CDSCO and Indian Pharmacopeia Commission delivered their lectures.

**6. Publication:**

World Journal of Pharmacy and Pharmaceutical Sciences Vol 13. Issue 8. 2399-2422. Review Article ISSN 2278-4357

Title: From Bench to Bedside, the journey of Drug discovery and development.

Authors: Prabir Kumar Banerjee & others.



2	ARIJIT MALLICK	<p>1. e-FDP vide regd, No. BSTAPGAEFDP/2024 /044 and has attended all the sessions of the week-long (From 22,07.2024 to 30.07.2024), "e-FDP" on "Focus on Research, Innovation &amp; Institutional Governance as the Path Breaking Initiatives for Quality Enhancement of Self-Financing standalone Pharmacy Institutions" organised by Bengal School of Technology (BST) in association with The Indian Pharmacy Graduates Association (IPGA), New Delhi.</p> <p>2. " One Week International Faculty Development Programme on "Innovation, Learning and Research in Pharmaceutical Sector- A Transforming Era" 13 - 18<sup>th</sup>, April 2024 Organized by the School of Pharmaceutical Sciences, Vels Institute</p>		
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		<p>of Science, Technology and Advanced Studies (VISTAS), Pallavaram, Chennai.</p> <p>3. One Week International e-Faculty Development Programme (e-FDP) entitled "Unleashing the Potential Advancements in Pharmaceutical Education and Research" organized by Tagore College of Pharmacy, Chennai - 127 from 29" April to 04" May 2024.</p>		
3	MADHUMITA BANERJEE	1. e-FDP on "" Current advancements in Drug Discovery and Development Strategies" held on 14-05-2024 to 20-05-2024 at V.V. Institute of Pharmaceutical Sciences, Gudlavalleru, Andhra Pradesh.	1. "National Seminar on Pharmaceutical Education and Research: An Industrial Perspective" jointly organised by Calcutta Institute of Pharmaceutical technology and AHS and APTI Bengal branch 8-9 March 2024	
4	ARINDAM CHAKRABORTY	1. Faculty Development	1. National conference 'BT-	1. Webinar on ' Bile acids based Nano



	<p>Programme (FDP) entitled "Reshaping Pharmacy education; Tackling information communication Technology challenges for a digital future" organized by Bharat Technology, from 20-23 December, 2023.</p>	<p>Pharmacon-2023' on "Healthcare: A global Transformation from Traditional to Modern Era", Organized by, Bharat Technology, 12/10/2023 - 13/10/2023.</p> <p>2. "National Seminar on Pharmaceutical Education and Research: An Industrial Perspective" jointly organised by Calcutta Institute of Pharmaceutical technology and AHS and APTI Bengal branch 8-9 March 2024</p>	<p>systems for improving Pharmacokinetics of drugs', Organized by Aditya College of Pharmacy, 02/09/2023</p> <p>2. <b>National level workshop</b> on 'Transformation through NAAC Accreditation Process', Organized by, Institute of Academic Excellence (IAE), 30/10/2023 - 31/10/2023.</p>
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5	HIRA DAS	<p>1. Attended the One Week National Online Faculty Development Program on "Past to Future Trends in Pharmaceutical Innovations" organized by DKSS-Institute of Pharmaceutical Science &amp; Research for Girls, Swami-Chincholi, Bhigwan in association with Akhil Bhartiya Pharmacist Association (ABPA), Maharashtra State Branch during 18<sup>th</sup> to 23<sup>rd</sup> March, 2024.</p> <p>2. <b>Participated</b> in the Faculty Development Programme on Ideation, Orientation and Promotions to Create Start-ups and Entrepreneurial Ventures in the University conducted by the Institution's Innovation Council (IC) at Seacom Skills University on 13th March, 2024</p>		
6	SOMENATH MONDAL	<p>1. <b>Participated</b> in the Faculty Development Programme on</p>	<p>1. Navigating the Journey from Protein Targets to</p>	<p>1. BCRCP NATCON-2024</p>

	<p>Ideation, Orientation and Promotions to Create Start-ups and Entrepreneurial Ventures in the University conducted by the Institutions Innovation Council (IIC) at Seacom Skills University on 13 March. 2024</p> <p>2. "Current advancements in Drug Discovery and Development Strategies" held on 14-05-2024 to 20-05-2024 at V.V. Institute of Pharmaceutical Sciences, Gudlavaluru, Andhra Pradesh.</p>	<p>Therapeutic Solutions: A Deep Dive into Computational Biology' held at DmbH Institute of Medical Science from 29th January 2024 to 2nd February 2024.</p> <p>2. One Day All India IQAC Workshop 2024, held on June 29, 2024. The Workshop was organized by the Internal Quality Assurance Cell (IQAC), Uttaranchal University, Dehradun with support from the Department of Higher Education, Uttarakhand.</p> <p>3. 'Thalassemia: An Overview is deeply appreciated, reflecting your commendable dedication to</p>	<p>Organized by Dr. B. C. Roy College of Pharmacy and Allied Health Sciences, Durgapur on 5th and 6th April 2024.</p> <p>2. Indian pharmacy graduates' association (IPGA) International Online Webinar on Community Connect: An Entrepreneurial concept to become Atmanirbhar Pharmacist with Social Recognition as a healthcare Professional" held on 20<sup>th</sup> April 2024.</p> <p>3. 'Nature's Pharmacy: Tropical Plant-Based Therapies for Skin Disease Management" organized by the Society of Pharmaceutical Sciences and</p>
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			<p>understanding Thalassemia. Organized by School of Paramedical and Allied Health Sciences on 13th June, 2024</p>	<p>Research (SPSR) on June 16 2024 <b>4. Pharmacy Entrepreneurship: Turning Your Ideas into Reality'</b> organized by the Society of "Pharmaceutical Sciences and Research (SPSR) on June 23, 2024</p>
7	TITIN DEBNATH	<p><b>1. Faculty Development program</b> on "Educational Methodology and Recent Advancement in Pharmacy" organized by Netaji Subhas Chandra Bose Institute of Pharmacy (NSCBIP), 15-17th October 2023. <b>2. Faculty Development program</b> on "Reshaping Pharmacy Education: Tackling information communication technology challenges for digital future', Organized by, Bharat Technology, 20/12/2023- 22/12/2023.</p>		
8	HIMALAY DE	<p><b>1. Attended:</b> "Reshaping Pharmacy Education: Tackling Information Communication Technology Challenges</p>	<p><b>1. Attended:</b> National Seminar with the entitled theme "Pharmaceutical Education &amp;</p>	

		for A Digital Future" organized by Bharat Technology, in collaboration with APTI	Research an Industrial Perspective, jointly organized by CIPT SHV and APTI, West Bengal State Branch held on 08.03.24 - 09.03.24 1. "National Seminar on Pharmaceutical Education and Research: An Industrial Perspective" jointly organised by Calcutta Institute of Pharmaceutical technology and AHS and APTI Bengal branch 8-9 March 2024
9	ARPAN ROY (CEU)	1. Participated in the Faculty Development Programme on Ideation, Orientation and Promotions to Create Start-ups and Entrepreneurial Ventures in the University	1. "National Seminar on Pharmaceutical Education and Research: An Industrial Perspective" jointly organised by Calcutta Institute of

		<p>conducted by the Institutions Innovation Council (IIC) at Seacom Skills University on 13 March. 2024</p> <p>2. e-FDP vide regd, No. BSTAPGAEFDP/2024 /044 and has attended all the sessions of the week-long (From 22.07.2024 to 30.07.2024), "e-FDP" on ""Focus on Research, Innovation &amp; Institutional Governance as the Path Breaking Initiatives for Quality Enhancement of Self-Financing standalone Pharmacy Institutions"" organised by Bengal School of Technology (BST) in association with The Indian Pharmacy Graduates Association (IPGA), New Delhi.</p>	<p>Pharmaceutical technology and AHS and APTI Bengal branch 8-9 March 2024</p> <p>2. Participation in the National Seminar with the entitled theme "Pharmaceutical Education &amp; Research: An Industrial Perspective", jointly organized by CIPT &amp; AHS and APTI, West Bengal State Branch held on 08 .03.24 - 09. 03.24</p>	
10	ARPAN ROY (CHEM)		<p>1. Online skilling course on AI For India 2.0 on August 16,2023</p> <p>2. Participated in the online skilling</p>	<p>1. Attended the cpa's live webinar on ai in clinical research &amp; future scopes on 24<sup>th</sup> – 25th July 2023.</p>

course on Kisan Drone Operator a course offered by NSDC through Skill India Digital Hub. Course completed on Jun 22, 2024

3. Drug Discovery an online non-credit course authorized by University of California San Diego and offered through Coursera on 1st August, 2023

4. Completed Emergency Preparedness and Response by UNICEF June 9, 2024 participated in the World Environment Day Celebration held on June 5, 2024 organized by the NDLI Club of Seacom Skills University.

5. Participated in the Champions of

India: National Sports Day Quiz 2024

6. Introduction to Systematic Review and Meta-Analysis an online non-credit course authorized by Johns Hopkins University and offered through Coursera on 20 August, 2023

7. Completed Micronutrient Malnutrition in Emergencies Preparedness and Response by UNICEF June 9, 2024

8. participated in the National Pharmacy Education Day Celebration held on March 6, 2024 organized by the NDLI Club of Seacom Skills University

9. Successfully completed course



			<p>of Python on 6 August, 2023</p> <p><b>10.</b> Fair Play Pledge Certificate by National Sports &amp; Physical Fitness Board.</p> <p><b>11.</b> Participated in the Swachh Bharat Mission Grameen Phase II Quiz</p> <p><b>12.</b> Completing TCS iON Career Edge - Young Professional a course from 19 Aug 2023 to 03 May 2024.</p>	
11	SAPTAPARNA MANNA		<p>1. "National Seminar on Pharmaceutical Education and Research: An Industrial Perspective" jointly organised by Calcutta Institute of Pharmaceutical technology and AHS and APTI Bengal branch 8-9 March 2024</p>	

12	KRISHNA PAL	<p><b>1. Attended:</b></p> <p>"Reshaping Pharmacy Education: Tackling Information Communication Technology Challenges for A Digital Future" organized by Bharat Technology, in collaboration with APTI</p>	<p>1. "National Seminar on Pharmaceutical Education and Research: An Industrial Perspective" jointly organised by Calcutta Institute of Pharmaceutical technology and AHS and APTI Bengal branch 8-9 March 2024</p>	
13	ROUNAK BHATTACHARY AA	<p>1. Pharmacy education &amp; research- Present and Future Challenges, Desh Bhagat University (01-06 July 2024)</p> <p>2. Ideation, Orientation and Promotions to Create Start-ups and Entrepreneurial Ventures in the University, Seacom Skills University (13/03/2024)</p> <p>3. Current Challenges &amp; Innovations in Pharmaceutical Sciences, Brainware University (03-10 Feb 2024)</p>	<p>1. Given an oral presentation on Enhanced the antioxidant properties in films through sodium alginate/ferulic acid composite synthesis and study in ICRAHS-2024 at LPU University.</p>	



		<p>4. PasttoFuture Trends in Pharmaceutical Innovations, Dattakala Shikshan Sanstha's (18-23 March 2024)</p> <p>5. Innovation, Learning and Research in Pharmaceutical Sector- A Transforming Era, VELS (13-18 April 2024)</p> <p>6. Research &amp;Academia: Mutual enrichment in pharmaceutical sciences, JIS (06-10 April 2024)</p> <p>7. Reshaping Pharmacy Education: Tacking Information Communication Technology Challenges for A Digital Future, BT (20-22 Dec 2023)</p>		
14	ANANSHA MUKHOPADHY AY	<p>1. Participated in the Faculty Development Programme on Ideation, Orientation and Promotions to Create Start-ups and Entrepreneurial Ventures in the University conducted by the Institution s Innovation Council (IIC) at</p>	<p>1. "National Seminar on Pharmaceutical Education and Research: An Industrial Perspective" jointly organised by Calcutta Institute of Pharmaceutical technology and</p>	

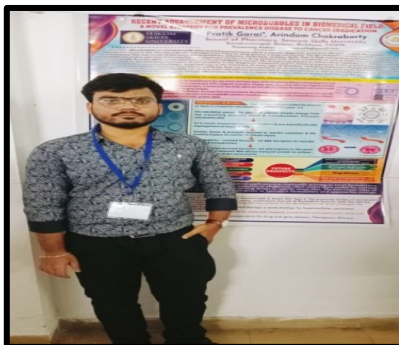
		<p>Seacom Skills University on 13 March. 2024</p> <p>2. e-FDP vide regd, No. BSTAPGAEFDP/2024 /044 and has attended all the sessions of the week-long (From 22,07.2024 to 30.07.2024), "e-FDP" on ""Fochs on Research, Innovation &amp; Institutional Governance as the Path Breaking Initiatives for Quality Enhancement of Self-Financing standalone Pharmacy Institutions"" organised by Bengal School of Technology (BST) in association with The Indian Pharmacy Graduates Association (IPGA), New Delhi.</p>	<p>AHS and APTI Bengal branch 8-9 March 2024</p> <p>2. Participation in the National Seminar with the entitled theme "Pharmaceutical Education &amp; Research: An Industrial Perspective", jointly organized by CIPT &amp; AHS and APTI, West Bengal State Branch held on 08 .03.24 - 09. 03.24</p>	
15	RATNA MANDAL	<p>1. Faculty Development Programme on Ideation, Orientation and Promotions to Create Start-ups and Entrepreneurial Ventures in the University conducted by the Institution's Innovation Council (IIC)</p>	<p>1. "National Seminar on Pharmaceutical Education and Research: An Industrial Perspective" jointly organised by Calcutta Institute of Pharmaceutical</p>	

		at Seacom Skills University on 13 <sup>th</sup> March, 2024	technology and AHS and APTI Bengal branch 8-9 March 2024. 2. "Hands-on Training on Basic Techniques in Animal Handling and Research" Jointly organised by Jadavpur University and Alona Life sciences on August 29-30, 2024.	
16	SOUMIK PATRA	1. Attended: Ideation, Orientation and Promotions to Create Start-ups and Entrepreneurial Ventures in the University conducted by the Institution's Innovation Council (IIC) at Seacom Skills University on 13 <sup>th</sup> March, 2024		

#### 4.10.8. Initiative for Students Development

- Poster Presentation: 11
- Co-curriculum Activities:
  - i) Hand-made poster presentation
  - ii) Photography Competition
  - iii) Quiz & debate Competition

- iv) School Visit for D.Pharm Students
- v) Pharmaceutical Industry visit
- Vi) Hospital visit



**Poster Presentation by our students**

### **SCHOOL VISIT FOR D. PHARMACY STUDENTS:**

#### **Importance of School Visit for D.Pharmacy Students:**

1. **Health Awareness:** Educating school children about health, hygiene, and disease prevention.
2. **Career Guidance:** Introducing pharmacy as a career option and inspiring young minds.
3. **Community Service:** Providing healthcare education and services to the community.
4. **Patient Counseling:** Developing communication skills through interaction with students.
5. **Practical Experience:** Applying theoretical knowledge in real-world settings.
6. **Building Confidence:** Enhancing public speaking and presentation skills.
7. **Interpersonal Skills:** Developing relationships with students, teachers, and school administrators.
8. **Understanding Health Needs:** Identifying health concerns and needs of the younger population.

School visits provide D.Pharmacy students with a unique opportunity to share their knowledge, develop essential skills, and make a positive impact on the community.

### **HOSPITAL TRAINING FOR D.PHARMACY STUDENTS:**

#### **Hospital training for D.Pharmacy students is crucial for the following reasons:**

1. **Practical Exposure:** Hands-on experience in hospital settings.
2. **Clinical Knowledge:** Understanding disease management and treatment.
3. **Patient Interaction:** Developing communication and counseling skills.
4. **Medication Management:** Learning about drug distribution and administration.
5. **Real-World Application:** Applying theoretical knowledge in practical scenarios.
6. **Career Opportunities:** Enhancing job prospects in hospital pharmacy.
7. **Confidence Building:** Developing confidence in handling patient care.
8. **Interdisciplinary Learning:** Collaborating with healthcare professionals.

Hospital training bridges the gap between theoretical knowledge and practical application, preparing D.Pharmacy students for a successful career in pharmacy practice. 60 students from D.Pharm Part-II took their hospital training in this academic year.



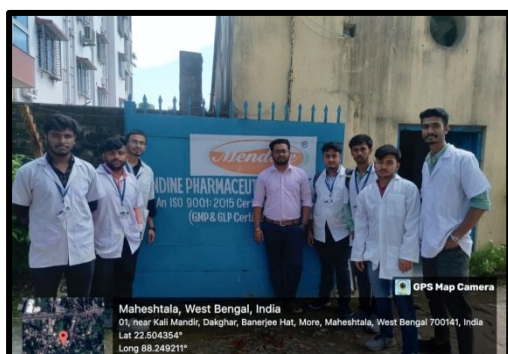
**Hospital Training by our students**

**INDUSTRIAL TRAINING FOR B.PHARMACY STUDENTS:**

**Industrial training for B.Pharm students is essential for the following reasons:**

1. **Practical Experience:** Hands-on exposure to pharmaceutical industry operations.
2. **Bridging Theory-Practice Gap:** Applying theoretical knowledge in real-world settings.
3. **Industry Insights:** Understanding manufacturing processes, quality control, and regulatory affairs.
4. **Skill Development:** Enhancing technical, analytical, and problem-solving skills.
5. **Networking Opportunities:** Building connections with industry professionals.
6. **Career Opportunities:** Improving job prospects and placement chances.
7. **Research and Development:** Exposure to innovative technologies and product development.
8. **Regulatory Compliance:** Understanding industry standards, guidelines, and regulations.
9. **Entrepreneurship:** Inspiring students to become pharmaceutical entrepreneurs.
10. **Enhancing Employability:** Making students industry-ready and more employable.

Industrial training provides B.Pharm students with a competitive edge, preparing them for successful careers in the pharmaceutical industry. 110 students from B.Pharm has successfully completed their Industrial Training in this academic years.



**Industrial Training by our students**

#### 4.10.9. 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 <sup>ST</sup> YEAR	100	82
B.PHARM. 2 <sup>ND</sup> YEAR	100	100
B.PHARM. 3 <sup>RD</sup> YEAR	100	100
B.PHARM. 4 <sup>TH</sup> YEAR	60	60

##### MASTER OF PHARMACY (M.PHARM.)

SPECIALIZATION	INTAKE CAPACITY	TOTAL NUMBER OF STUDENTS
M.PHARM. 1 <sup>ST</sup> YEAR (PHARMACEUTICS)	15	12
M.PHARM. 1 <sup>ST</sup> YEAR (PHARMACEUTICAL CHEMISTRY)	15	02

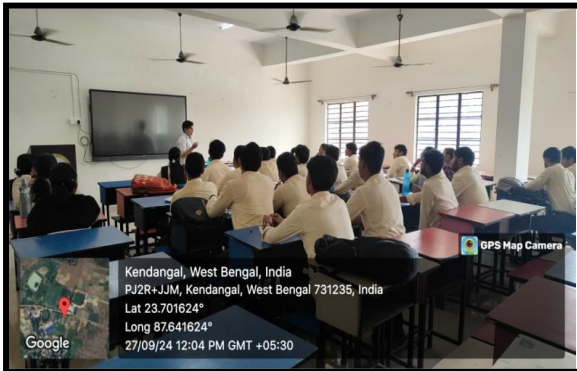
#### 4.10.10. ACADEMIC ACHIEVEMENTS BY OUR STUDENTS

Student Name	Achievements
Mr. Deb Saha	Qualified NIPER - JEE
Mr. Dhiman Roy	Qualified GPAT

**GLIMPSES OF SCHOOL OF PHARMACY**



**School of Pharmacy**



**Our Classroom**



**Our Laboratory**



**Rotary Evaporator**



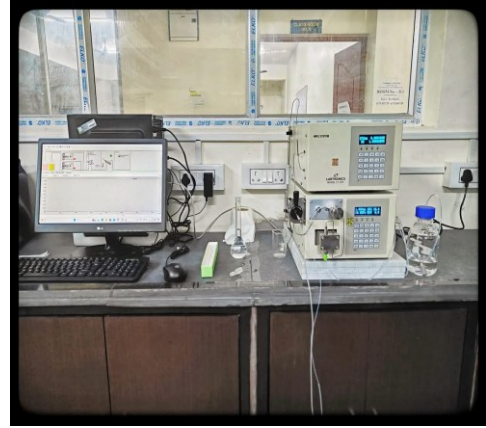
**Tablet Punching Machine**



**Dissolution Test Apparatus**



UV Visible Spectrophotometer



HPLC



Sports



Wall Magazine

## 4.11. School of Science

Science is a multifaceted academic discipline offering students diverse pathways through core departmental combinations in Physics, Chemistry, and Mathematics. For those aspiring to build a career in the sciences, the School provides a broad spectrum of academic opportunities at both undergraduate (UG) and postgraduate (PG) levels. Students can pursue degree programmes such as Bachelor of Science (BSc), Master of Science (MSc), and Doctor of Philosophy (PhD) across various scientific domains. These programmes are designed to offer rigorous academic training, practical laboratory experience, and exposure to emerging scientific advancements. The School is deeply committed to fostering a collaborative and intellectually stimulating environment that encourages inquiry, innovation, and independent learning. Students are actively engaged in shaping their academic journey and are directly connected to cutting-edge research led by distinguished faculty members. Through this integrated approach, the School aims to cultivate a new generation of scientists equipped to address the complex challenges of the modern world.

### 4.11.1. Department of Physics

#### 4.11.1.1. About the Department

The department of Physics falls under the School of Basic and Applied Sciences (SOBAS). Physics department has its first student admission in 2017. In the current session Physics department has both UG and PG programmes under its curriculum. Until 2023, we followed CBCS system and curriculum for UG courses, From 2023 academic session onward we are following NEP 2020 course curriculum. However in the session 2023-2024, we have continuing students from previous 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.

#### 4.11.1.2. Details of courses and course wise intake capacity

##### **UG Programme:**

##### **New regulations: NEP 2020**

We have curriculum course for four years UG programme after following NEP 2020 regulations which is a multiple entry-multiple exit programme starting from 2023. The UG course is a four year BSc Major Honours programme in Physics spanning over 8 semesters. The curriculum follows credits based system. It contains 20 Major papers with

additional 3 major elective papers (if students don't choose research project papers in the fourth year or final two semesters). There are 8 Minor papers (other than Physics) which students can choose from Mathematics, Chemistry, Computer Science, statistics and Bio-Technology. There are 3 multidisciplinary papers (MDC) to be chosen in the first three semesters. The students have a range of subjects and topics from which they can choose their MDC papers. UG students also need to choose ability enhancement course papers (AEC) for first which is basically study of modern Indian languages namely English and Bengali. Students also choose 2 value added courses papers (VAC) for first two semesters. UG course has 46 papers with a total credit of 162. At present UG has intake capacity of 60 students each year.

#### **Old regulations: CBCS**

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 semesters. 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 3<sup>rd</sup> and 4<sup>th</sup> 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 4<sup>th</sup> semester. There is also 1 project / dissertation paper in the 4<sup>th</sup> semester. The total credit for this MSc course is 102.

#### **Faculty and Staff Details**

- 1) Dr. Mohammed Younus, Head of the Department, Physics.
- 2) Mrs. Disha Chatterjee, Assistant Professor, Physics.

#### **4.11.1.3. Department details**

**FDP, Lectures, Seminars, Workshop, Webinar, Conference:**

**Attended:** Workshop: 7, FDP: 3, Webinar: 1, Celebration: 6

**Conducted:** Webinar: 1

**Celebration & Events conducted in the particular School/ Department**

- Internal Hackathon IIC-SSU: 1,
- National Space Day Celebration cum Exhibition 2023: 1

**Awards & Achievements:** NA

**Any initiative for student development:** NA

**Orientation and Induction program for students:** NA

**Student Details**

Total number of students present in the Department from August-2023 to July-2024: 119

#### **4.11.2. Department of Chemistry**

##### **4.11.2.1. 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.

##### **4.11.2.2. Departmental Infrastructure**

The 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
9	Magnetic stirrer	01
10	Hot plate	01
11	Vacuum pump	01
12	Vortex	01



**Instrumental facilities at Department of Chemistry, SSU.**

**MISSION:**

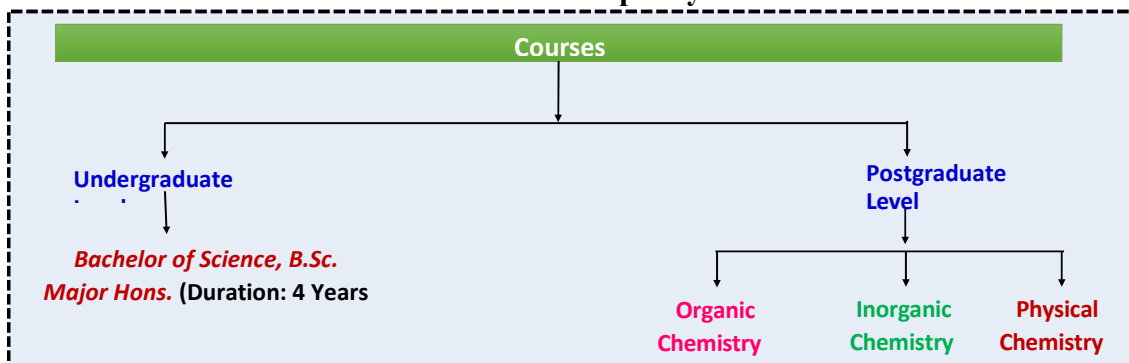
- Our primary mission is to sustain a department that will be considered as equal to any in terms of its relevance of teaching, its eminence of support, infrastructural facilities, and knowledge gaining opportunities along with working experience.

- Imparting of value oriented good quality education of superior standard such that the skills imbibed herein can be applied in the long run for solving real life problems.
- Inculcating positive attitude and developing leadership virtues with futuristic vision.
- Fostering the spirit of entrepreneurship and thereby realizing the societal duties.
- Cultivating the ethical qualities, moral virtues and healthy practices in professional life.
- Instilling the practice of continuous knowledge.
- Encouraging and supporting creative abilities and research temperament.
- Establishing and promoting close interaction with industries and other utility sectors and keep abreast with state-of-the-art technology.

#### VISION:

- Our vision is to enrich our reputation as a nationally acclaimed teaching and research institution which will be recognized for its advancement and excellence that would lure the finest pupils and faculties all over the nation.
- To produce a progressive centre aligned with professional education of supreme standing wherein knowledge seeking and excellence will be at the apex, freed from the hitches of nationalism, cultural and religious stigma.

#### Details of Courses and Course wise intake capacity:



#### 4.11.2.3. Courses Offered

##### • **Bachelor of Science (B.Sc.) Major Honours in Chemistry**

Total Credits (Semester-I to Semester-VIII) = 162

##### **Major Course (MJ): Chemistry**

(Inorganic Chemistry, Organic Chemistry, Physical Chemistry, Green Chemistry, Polymer Chemistry)

Total Credits: 80

##### **Skill Enhancement Course (SEC): Basic Analytical Chemistry, Pharmaceutical Chemistry, Fuel Chemistry**

Total Credits: 9

##### **Minor Course (MI): Mathematics/ Physics/ Computer Sc/ Statistics/ Microbiology/ Biotechnology/ Nutrition**

Total Credits: 32

**Value Added Course (VAC): Environmental Studies, Human Rights/ Yoga and Wellness/ Disaster Management**

Total Credits: 8

**Alternative Course (AEC): Compulsory English, Compulsory Bengali/ Alternative English**

Total Credits: 8

**Multidisciplinary Course (MDC): Indian Constitutions/ Social value and Ethics/ Physical Education/ Basics of Computer applications/ Basics of Accounting, Gender Studies/ Community nutrition and Public health/ Physical and Cultural Geography of Bengal/ Natural Resource and Waste Management/ Basics of information technology (IT), Library Science/ Financial Institutions and Markets/ Basics of Artificial Intelligence (AI)/ Nanomaterials & Applications/ Entrepreneurship Development.**

Total Credits: 9

**Internship**

Total Credits: 4

**Research/ Dissertation or Elective Major Course Total Credits: 12**

- **Master of Science (M. Sc.) in Chemistry**

**COURSE DURATION**

- B.Sc. (Major Hons.) 4 Years
- M.Sc. 2 Years

**COURSE WISE INTAKE CAPACITY:**

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

**4.11.2.4. Faculty details**

Sl. No	Name	Designation	Highest Qualification	Month and Year of Joining
1	Dr. Pallabi Banerjee	Assistant Professor	Ph.D.	Dec, 2021
2	Dr. Santanu Majumdar	Assistant Professor & HOD	Ph.D.	Oct, 2023
3	Dr. Pooja Daga	Assistant Professor	Ph.D.	Nov, 2023

**4.11.2.5. Publications**

- 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, E Ghosh, Jagadeesh Chandra Bose and Riyabrata 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 Cu<sup>2+</sup> and CN<sup>-</sup>: 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)
- Comparative Vision of Nonlinear Thermo-Optical Features and Third-Order Susceptibility of Mechanically Flexible Metallosupramolecular Self-Repairing Networks with Isomeric Organic Acids; Indrajit Pal, Nitesh Kumar Pathak, Santanu Majumdar, Gerald Lepcha, Amiya Dey, Suresh Kumar Yatirajula, Umakanta Tripathy,\* and Biswajit Dey\*, Inorg. Chem., (2024) 12003 (ISSN No. 0020-1669, Impact Factor: 4.3)
- Solvent-Directed Bioactive Supramolecular Zinc(II)–Metallogels: Exploring Semiconducting Aptitudes of Fabricating p–n Junction and Schottky Devices; Deblina Saha, Tamal Dey, Indrajit Pal, Anupam Kundu, Santanu Majumdar, Subhajoy Sadhu, Suresh Kumar Yatirajula, Jnanendra Rath, Samit K. Ray, \*and Biswajit Dey\*, ACS Appl. Bio Mater., (2024) 5609 (ISSN No. 2576-6422, Impact Factor: 4.7)

#### 4.11.2.6. Student details

COURSE	BATCH	YEAR	Total number of students
M.Sc.	2021-2023	Passed Out (2023)	33
	2022-2024	Passed Out (2024)	45
B.Sc.	2020-2023	NIL	0
	2021-2024	NIL	0

## 4.12. School of Social Science

The School of Social Sciences is dedicated to the critical analysis of contemporary societies and the dynamics of social change. Its mission embraces a pluralistic and interdisciplinary approach to social research, grounded in both national and multidisciplinary perspectives.

### 4.12.1. Department of Social work

#### 4.12.1.1. About the Department:

Social work is an interdisciplinary field that integrates various domains such as science and technology, agriculture, health, rural and economic development, human resource management, and natural resources management. Its primary objective is to enhance livelihoods through comprehensive development initiatives aimed at alleviating poverty in both rural and urban areas. In India, social work holds significant importance within the framework of national development policies and programs, as it plays a crucial role in addressing the socio-economic challenges of the country, particularly in the era of globalization. To support this vital sector, Seacom Skills University introduced a three-year undergraduate program and a two-year master's program in social work starting in the academic year 2018, followed by the establishment of Department of Social Work.

#### 4.12.1.2. Focus and Thrust Area

The department emphasizes work-integrated learning opportunities for students within community contexts and provides mentoring for students. It aims to develop multidisciplinary problem-based methodological models tailored for community development and promotes innovative action-oriented research in partnership with communities, governmental bodies, research institutions and development agencies. Additionally, the department formulates institutional policies on rural development, facilitating the transfer of knowledge and skills from faculty to community initiatives to enhance socio-economic development. Furthermore, the department establishes contacts with different agencies for collaborative exchanges, while engaging in resource mobilization to secure material support for various social development programs.

#### 4.12.1.3. Programs Offered and Intake Capacity:

<b>BSW</b>	<b>30</b>
<b>MSW</b>	<b>15</b>

#### 4.12.1.4. 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	09

#### 4.12.1.5. Publication:

##### 4.12.1.5.1 Article

1. Mukherjee. K. (2023). A closer look: Tribal women's health in India. *Shikshan Sanshodhan: Journal of Arts, Humanities and Social Sciences*, 6(12), 1-4. <https://doi.org/10.2018/SS/202312001>
2. Mukherjee. K. (2023). Agricultural economics and rural development: A symbiotic alliance. *International Journal for Innovative Research in Multidisciplinary Field*, 9(12), 101-105. <https://doi.org/10.2015/IJIRMF/202312020>
3. Jana. A, Mukherjee.K, Gorai. S & Mondal. B. (2024). Nurturing growth: Managing rural women as key assets in food processing. *International Journal of Engineering Technology Research & Management*, 8(4), 58-68.
4. Jana. A, Mukherjee.K, & Das. M. (2024). Community engagement and human resource: Driving social empowerment from within organizations. *International Journal of Research Culture Society*, 8(5), 29-38. <https://doi.org/10.2017/IJRCS/202405006>
5. Mukherjee. K, Jana, A, Das, S, & Gorai. S. (2024). Promoting rural growth: Empowering country women and youth through agriculture & human resource management. *International Scientific Journal of Engineering and Management*, 3(5), 1-18. <https://doi.org/10.55041/ISJEM01742>
6. Mukherjee. K, Jana. A, Gorai. S, Maity. S, Sarkar. D & Mondal. B. (2024). Harvesting tomorrow: Artificial intelligence revolutionizing rural agriculture. *International Journal of Progressive Research in Engineering Management and Science (IJPREAMS)*, 4(4), 624-641. <https://doi.org/10.58257/IJPREAMS33258>
7. Jana. A, Mukherjee. K, Sen. P & Sadhukhan. T. (2023). Oyster mushroom cultivation & its role in upliftment of rural economy. *International Journal of Research Culture Society*, 7(11), 115-120. <https://doi.org/10.2017/IJRCS/202311021>
8. Mukherjee. K, Jana. A, Sarkar. I, Sen, P, & Sadhukhan. T. (2023). Importance of integrated fish farming in rural economic development. *Krishi Udyan Darpan (Innovative Sustainable Farming)*, 3(3), 21-24. ISSN 2583-3146.

9. Mukherjee. K. (2024). Biotechnological innovations: Harnessing rural management through agricultural development. *International Journal for Innovative Research in Multidisciplinary Field*, 10(6), 147-155. <https://doi.org/10.2015/IJIRMF/202406016>
10. Mukherjee. K. (2023). Prospects and challenges of organic farming – a brief review. *International Journal for Innovative Research in Multidisciplinary Field*, 9(11), 72-78. <https://doi.org/10.2015/IJIRMF/202311013>

#### 4.12.1.5.2 Book Chapter

1. Mukherjee. K. (2024). Ekalavya Model Residential School: Pioneering tribal education excellence. In *Recent Development in India* (Vol. II, pp. 98-117). ISBN 978-81-19820-67-2.
2. Jana. A, Mukherjee. K, & Mondal. B. (2024). Artificial intelligence-powered human resource management: Unveiling efficiency and innovation. In *Trends in Commerce Management and Economics* (pp. 137-152). ISBN 978-81-19820-19-1.

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

Sl	TOPIC	ORGANIZED BY	DURATION	TYPE OF PROGRAM
1	Attended and paper presented on Gender, Society and Sustainability	Vedanta College, Kolkata	1 Day	International Conference in June, 2024
2	Attended and paper presented on Economic Sustainability and Innovations in Social Development	A.K. Dasgupta Centre for Planning and Development, Visva-Bharati	2 Days	International Seminar
3	Attended and paper presented on Changing Dimensions of Business & Technology	DSMS College of Tourism and Management, Durgapur	1 Day	International Conference
4	2 WEEK ENTREPRENEURSHIP COURSE	TURNIP INNOVATIONS	2 WEEKS	ONLINE COURSE
5	RIGHT TO INFORMATION ACT, 2005 FOR SPIOs & SAPIOs	HARISH CHANDRA MATHUR RAJASTHAN STATE INSTITUTE OF PUBLIC ADMINISTRATION	2 DAYS	ONLINE TRAINING PROGRAM

		UDAIPUR, RAJASTHAN		
6	STATISTICAL TECHNIQUES FOR AGRICULTURISTS	INDIAN INSTITUTE OF TECHNOLOGY (IIT, KANPUR), UNIVERSITY OF AGRICULTURAL SCIENCE (RAICHUR), COMMONWEALTH OF LEARNING (CANADA)	6 WEEKS	MOOC
7	AI - ASSISTED SCIENTIFIC WRITING AND PUBLICATIONS	SCHOLARSGATE RESEARCH TRAINING INSTITUTE	2 DAYS	INTERNATION AL WORKSHOP
8	INEQUALITY AND POVERTY IN INDIA: IMPACT OF COVID-19 PANDEMIC AND POLICY RESPONSE	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR
9	US PENSION AND HEALTH: LESSONS FOR INDIA	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR
10	WINNING IN UNCERTAIN TIMES	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR
11	AATMANIRBHAR BHARAT	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR
12	REIMAGINING MONEY: IDEAS AND EVIDENCE	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR

13	NEPAL'S AGRICULTURE	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR
14	QUESTIONNAIRE DESIGN, DATA COLLECTION, DATA ANALYSIS & INTERPRETATION	RESEARCH GRADUATE	1 DAY	WEBINAR
15	REVIEW PAPER WRITING FOR RESEARCH SCHOLARS	RESEARCH GRADUATE	1 DAY	WEBINAR
16	SYSTEMATIC LITERATURE REVIEW AND META ANALYSIS FOR RESEARCH SCHOLARS	RESEARCH GRADUATE	1 DAY	WEBINAR
17	HOW TO WRITE A PHD THESIS	RESEARCH GRADUATE	1 DAY	WEBINAR
18	THE EIGHT PER CENT SOLUTION: A STRATEGY FOR INDIA'S GROWTH	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR
19	RESHAPING GENDER ATTITUDES IN INDIA: AN 8-YEAR FOLLOW-UP STUDY	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR
20	INEQUALITY AND POVERTY IN INDIA: IMPACT OF COVID-19 PANDEMIC AND POLICY RESPONSE	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR
21	REIMAGINING MONEY: IDEAS AND EVIDENCE	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR
22	AATMANIRBHAR BHARAT	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR

23	Corporate Social Responsibility in Rural Development - Pathways for Developing Micro Finance Institutions as Sustainable Social Enterprise	NATIONAL INSTITUTE OF RURAL DEVELOPMENT AND PANCHAYATI RAJ	1 DAY	WEBINAR
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#### 4.12.1.6. Student Details:

##### Student Admission:

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

#### 4.12.1.7. Final Semester Examination Results:

Course	Appeared	Passed
UG	0	NA
PG	1	1

#### Other Information:

##### Teaching methods adopted:

- f) Induction lectures for new students
- g) Classroom lectures / Online lectures / Tutorial classes
- h) Audio lectures / Swayam Prabha videos / Movies
- i) Assignments and Seminar presentations
- j) Swayam NPTEL courses

#### Activity Highlights:

✓ **Empowering Women through Agripreneurship Training in Mushroom Cultivation**

Students took an active role in a women agripreneurship training program focused on mushroom cultivation, organized by an NGO in collaboration with Indian Bank and sponsored by NABARD. This initiative aimed to equip women with essential skills for sustainable agricultural practices. During the program, students coordinated hands-on activities, promoting knowledge transfer on mushroom farming techniques to enhance productivity and income. The training not only empowered women but also contributed to food security and economic development in rural areas.

✓ **Artistic Collaboration: Kantha Stitch Painting Workshop for Rural Women**

A workshop organized by an NGO and sponsored by NABARD engaged students in teaching painting techniques for Kantha stitch to rural women. This collaborative effort aimed to blend traditional arts with contemporary designs, enhancing the craftsmanship of the participants. Students facilitated interactive

sessions, helping women explore their creativity while preserving cultural heritage through art. The resulting products not only showcased the women's skills but also created opportunities for them to enter the crafts market, fostering financial independence.

✓ **Short-Term Training Programs Sponsored by the Ministry of Labour and Employment**

Students participated in the implementation of short-term training programs organized by NGOs and sponsored by the Ministry of Labour and Employment, which aimed to enhance the vocational skills of participants. This initiative provided practical training in various trades, fostering employability among marginalized youth and women. Students coordinated the logistics and content delivery, ensuring that the training met the needs of the community. By equipping participants with valuable skills, the program aimed to improve their job prospects and standard of living.

✓ **Comprehensive Surveys Conducted in Tribal Villages**

As part of their fieldwork, students conducted comprehensive surveys in multiple tribal villages to assess community needs and resources. These surveys provided critical data that informed various programs and initiatives aimed at developing the region. Students engaged directly with community members, fostering trust and understanding while gathering invaluable insights. The information collected will help NGOs tailor their services more effectively to the unique challenges faced by these communities, promoting sustainable development and empowerment.

✓ **Self Help Group Survey**

Students of social work were engaged in a survey involving various self-help groups, interacting directly with numerous members to understand their experiences and challenges. This hands-on approach allowed students to gain valuable insights into the dynamics and impact of these groups on community development. Through these interactions, they aimed to strengthen the connection between academic learning and real-world social issues, promoting practical solutions for enhancing the effectiveness of self-help groups.



**SHG perception**

**Student participation in NABARD sponsored**

	<b>tribal development project run by NGO</b>
	<b>Student's exposure to rural livelihood development project</b>
	<b>Village Survey</b>

#### 4.12.2. Department of Rural Development and Management

##### 4.12.2.1. About the Department

Rural development is an essential interdisciplinary field that encompasses various domains, including agriculture, health, economic development, social work, and natural resource management, all aimed at improving livelihoods in areas where poverty is prevalent. In India, rural development has gained prominence in national policies and programs due to its significant impact on the economy and society, particularly within the framework of globalization. Effectively addressing rural poverty not only uplifts these communities but also alleviates the pressures of excessive migration to urban areas. As traditional strategies and methods become increasingly outdated in our rapidly evolving global landscape, there is an urgent need for innovative approaches to tackle the complexities of rural development. Unfortunately, a substantial demand for skills and capacity building persists among professionals in this sector. Many educators, researchers, and policymakers require modern training in contemporary concepts, methodologies, and tools to enact meaningful change. The shortage of specialized

institutions, particularly in eastern India focusing on rural development, further complicates this challenge. To address this critical gap, Seacom Skills University launched a three-year undergraduate program and a two-year master’s degree in rural development, beginning in the academic session of 2018. This initiative included the establishment of a dedicated Department of Rural Development and Management, aimed at nurturing a new generation of professionals equipped with the essential skills to effectively implement rural development programs. Ultimately, this endeavor seeks to empower rural communities and contribute to the sustainable growth of the nation, fostering a more inclusive society for all.

#### 4.12.2.2. Focus and Thrust Area

The Department of Rural Development and Management at Seacom Skills University is committed to driving transformative initiatives that tackle the diverse challenges encountered by rural communities. Our core objective is to promote sustainable development through a comprehensive approach that integrates economic growth, social equity, environmental stewardship, and community empowerment. We prioritize innovative problem-solving techniques that bring together interdisciplinary perspectives, allowing us to develop effective solutions tailored to the unique needs of local contexts. By engaging in collaborative research and practical, action-oriented projects, we strive to bridge the divide between theory and practice, ensuring that the knowledge we generate is effectively applied to improve the livelihoods and well-being of rural populations. Our dedication to capacity building empowers both students and community members with essential skills to drive meaningful change. Additionally, our strategic partnerships enhance our reach and facilitate knowledge exchange, further promoting inclusive growth and resilience in rural areas. Through these targeted initiatives, we aim to nurture a generation of leaders who are not only equipped to confront the challenges of rural development but also inspired to bring about lasting, positive change in their communities.

#### 4.12.2.3. Programmes Offered and Intake Capacity

Course	Intake Capacity
BRDM	30
MRDM	15
BRS	30

MRS	15
MRDAM	15

#### 4.12.2.4. Present faculty profile for UG/ PG courses:

Name	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	10

#### 4.12.2.5. Publications

##### 4.12.2.5.1 Article

- Mukherjee. K. (2023). A closer look: Tribal women's health in India. *Shikshan Sanshodhan: Journal of Arts, Humanities and Social Sciences*, 6(12), 1-4. <https://doi.org/10.2018/SS/202312001>
- Mukherjee. K. (2023). Agricultural economics and rural development: A symbiotic alliance. *International Journal for Innovative Research in Multidisciplinary Field*, 9(12), 101-105. <https://doi.org/10.2015/IJIRMF/202312020>
- Jana. A, Mukherjee.K, Gorai. S & Mondal. B. (2024). Nurturing growth: Managing rural women as key assets in food processing. *International Journal of Engineering Technology Research & Management*, 8(4), 58-68.
- Jana. A, Mukherjee.K, & Das. M. (2024). Community engagement and human resource: Driving social empowerment from within organizations. *International Journal of Research Culture Society*, 8(5), 29-38. <https://doi.org/10.2017/IJRCS/202405006>
- Mukherjee. K, Jana, A, Das, S, & Gorai. S. (2024). Promoting rural growth: Empowering country women and youth through agriculture & human resource management. *International Scientific Journal of Engineering and Management*, 3(5), 1-18. <https://doi.org/10.55041/ISJEM01742>
- Mukherjee. K, Jana. A, Gorai. S, Maity. S, Sarkar. D & Mondal. B. (2024). Harvesting tomorrow: Artificial intelligence revolutionizing rural agriculture. *International Journal of Progressive Research in Engineering Management and Science (IJPREAMS)*, 4(4), 624-641. <https://doi.org/10.58257/IJPREAMS33258>
- Jana. A, Mukherjee. K, Sen. P & Sadhukhan. T. (2023). Oyster mushroom cultivation & its role in upliftment of rural economy. *International Journal of*

*Research Culture Society*, 7(11), 115-120.  
<https://doi.org/10.2017/IJRCS/202311021>

- Mukherjee. K, Jana. A, Sarkar. I, Sen, P, & Sadhukhan. T. (2023). Importance of integrated fish farming in rural economic development. *Krishi Udyan Darpan (Innovative Sustainable Farming)*, 3(3), 21-24. ISSN 2583-3146.
- Mukherjee. K. (2024). Biotechnological innovations: Harnessing rural management through agricultural development. *International Journal for Innovative Research in Multidisciplinary Field*, 10(6), 147-155. <https://doi.org/10.2015/IJIRMF/202406016>
- Mukherjee. K. (2023). Prospects and challenges of organic farming – a brief review. *International Journal for Innovative Research in Multidisciplinary Field*, 9(11), 72-78. <https://doi.org/10.2015/IJIRMF/202311013>

#### 4.12.2.5.2 Book Chapter

- Mukherjee. K. (2024). Ekalavya Model Residential School: Pioneering tribal education excellence. In *Recent Development in India* (Vol. II, pp. 98-117). ISBN 978-81-19820-67-2.
- Jana. A, Mukherjee. K, & Mondal. B. (2024). Artificial intelligence-powered human resource management: Unveiling efficiency and innovation. In *Trends in Commerce Management and Economics* (pp. 137-152). ISBN 978-81-19820-19-1.

#### 4.12.2.5.3 Course, FDP, Lecture, Seminar, Workshop, Webinar, Conference:

Course	Institution
<b>PG-Diploma in Educational Technology Management</b>	University of Hyderabad

SL	TOPIC	ORGANIZED BY	DURATION	TYPE OF PROGRAM
1	ATTENDED AND PAPER PRESENTED ON GENDER, SOCIETY AND SUSTAINABILITY	VEDANTA COLLEGE, KOLKATA	1 DAY	INTERNATIONAL CONFERENCE IN JUNE, 2024
2	ATTENDED AND PAPER PRESENTED ON ECONOMIC SUSTAINABILITY AND INNOVATIONS IN SOCIAL DEVELOPMENT	A.K. DASGUPTA CENTRE FOR PLANNING AND DEVELOPMENT, VISVA-BHARATI	2 DAYS	INTERNATIONAL SEMINAR
3	ATTENDED AND PAPER PRESENTED ON CHANGING	DSMS COLLEGE OF TOURISM AND	1 DAY	INTERNATIONAL CONFERENCE

	DIMENSIONS OF BUSINESS & TECHNOLOGY	MANAGEMENT, DURGAPUR		
4	2 WEEK ENTREPRENEURSHIP COURSE	TURNIP INNOVATIONS	2 WEEKS	ONLINE COURSE
5	RIGHT TO INFORMATION ACT, 2005 FOR SPIOS & SAPIOS	HARISH CHANDRA MATHUR RAJASTHAN STATE INSTITUTE OF PUBLIC ADMINISTRATION UDAIPUR, RAJASTHAN	2 DAYS	ONLINE TRAINING PROGRAM
6	STATISTICAL TECHNIQUES FOR AGRICULTURISTS	INDIAN INSTITUTE OF TECHNOLOGY (IIT, KANPUR), UNIVERSITY OF AGRICULTURAL SCIENCE (RAICHUR), COMMONWEALTH OF LEARNING (CANADA)	6 WEEKS	MOOC
7	AI - ASSISTED SCIENTIFIC WRITING AND PUBLICATIONS	SCHOLARSGATE RESEARCH TRAINING INSTITUTE	2 DAYS	INTERNATIONAL WORKSHOP
8	INEQUALITY AND POVERTY IN INDIA: IMPACT OF COVID-19 PANDEMIC AND POLICY RESPONSE	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR
9	US PENSION AND HEALTH: LESSONS FOR INDIA	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR
10	WINNING IN UNCERTAIN TIMES	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR
11	AATMANIRBHAR BHARAT	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR
12	REIMAGINING MONEY: IDEAS AND EVIDENCE	EGROW FOUNDATION FOR ECONOMIC	1 DAY	WEBINAR

		GROWTH AND WELFARE		
13	NEPAL'S AGRICULTURE	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR
14	QUESTIONNAIRE DESIGN, DATA COLLECTION, DATA ANALYSIS & INTERPRETATION	RESEARCH GRADUATE	1 DAY	WEBINAR
15	REVIEW PAPER WRITING FOR RESEARCH SCHOLARS	RESEARCH GRADUATE	1 DAY	WEBINAR
16	SYSTEMATIC LITERATURE REVIEW AND META ANALYSIS FOR RESEARCH SCHOLARS	RESEARCH GRADUATE	1 DAY	WEBINAR
17	HOW TO WRITE A PHD THESIS	RESEARCH GRADUATE	1 DAY	WEBINAR
18	THE EIGHT PER CENT SOLUTION: A STRATEGY FOR INDIA'S GROWTH	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR
19	RESHAPING GENDER ATTITUDES IN INDIA: AN 8-YEAR FOLLOW-UP STUDY	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR
20	INEQUALITY AND POVERTY IN INDIA: IMPACT OF COVID-19 PANDEMIC AND POLICY RESPONSE	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR
21	REIMAGINING MONEY: IDEAS AND EVIDENCE	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR
22	AATMANIRBHAR BHARAT	EGROW FOUNDATION FOR ECONOMIC GROWTH AND WELFARE	1 DAY	WEBINAR
23	CORPORATE SOCIAL RESPONSIBILITY IN RURAL DEVELOPMENT - PATHWAYS FOR	NATIONAL INSTITUTE OF RURAL DEVELOPMENT	1 DAY	WEBINAR

DEVELOPING MICRO FINANCE INSTITUTIONS AS SUSTAINABLE SOCIAL ENTERPRISE	AND PANCHAYATI RAJ		
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#### 4.12.2.6. Student Details

##### Student Admission:

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

##### Final Semester Examination Results:

Course	Appeared	Passed
UG	0	NA
PG	1	1

##### Other Information:

##### Teaching methods adopted:

- k) Induction lectures for new students
- l) Classroom lectures / Online lectures / Tutorial classes
- m) Audio lectures / Swayam Prabha videos / Movies
- n) Assignments and Seminar presentations
- o) Swayam NPTEL courses

##### Activity Highlights:

#### Empowering Women through Training in Mushroom Cultivation and Agripreneurship

Students played an integral role in a women agripreneurship training program centered on mushroom cultivation, organized by an NGO in collaboration with Indian Bank and sponsored by NABARD. This initiative aimed to equip women with crucial skills necessary for sustainable agricultural practices. Throughout the program, students coordinated hands-on activities, facilitating the transfer of knowledge on mushroom farming techniques to enhance both productivity and income. The training not only empowered the participating women but also made significant contributions to food security and economic development in rural areas, fostering a more resilient agricultural community.

#### SHG perception

Students from the Department of Rural Development were engaged in comprehensive surveys across multiple Self-Help Groups (SHGs) to gain insights into their current challenges and perceptions. This initiative aimed to understand the diverse issues faced by these groups, ranging from economic constraints and access to resources to social dynamics and leadership challenges. By employing qualitative and quantitative research methods, the students were able to capture the voices of SHG members, identifying key areas where support and intervention are needed. The findings not only shed light on the significant barriers these groups encounter but also provided a foundation for developing

tailored solutions that can enhance their resilience and empower their communities. This hands-on experience allowed students to apply theoretical knowledge while fostering a deep understanding of grassroots realities in rural development, ultimately contributing to more informed and effective strategies for community upliftment.



## **4.13. School of Visual Arts**

### **4.13.1. 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 Modelling & Sculpture added in the visual arts school and the department is considering creating more variety of courses & updated courses on Art & culture 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, 2023-2024 our special attention is on course development, art studio development, faculty development & student art mindset development. Besides we do every year that to strong undergraduate & post graduate programs, the department is playing a leading role in creating world-class postgraduate and research scholars. From this year our school name officially changed in to the School of Art & Culture name. The Seacom skills university 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.

### **4.13.2. 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. From 2024 we started our BFA Course with NEP2020 course curriculum. To produce the timeless thinkers and executor in the field of Art & Culture, 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 12<sup>TH</sup> STANDARD | 40% FOR SC/ST 12<sup>TH</sup> STANDARD

**INTAKE CAPACITY- 25**

## COURSES UNDER SCHOOL OF VISUAL ARTS

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

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

### ELIGIBILITY

BFA OR ANY OTHER EQUIVALENT DGREE FROM A RECOGNIZED INSTITUTE OR UNIVERSITY

MINIMUM AGGREGATE PERCENTAGE 50%-60%

**INTAKE CAPACITY- 25**

### About the School/ Department

Name of the Department	Under the School of	Department was Initiated (Academic Year)
Department of Painting	School of Art & Culture	2023-2024
Department of Modelling & Sculpture	School of Art & Culture	2023-2024

### Details of Courses

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

### Course Duration

Details of Course	Duration
BFA	Degree Honors with Research/Project/Internship- 4Years
	Certificate- 1 Year
	Diploma- 2Year
	Degree- 3 year
MFA	Degree- 2Year

### 4.13.3. Faculty and Staff Details

Name	Designation	Departmental/Non-Departmental	Name of Department	School
Ms. Priya Saha	Assistant Professor &HOD	Departmental	Painting/Modelling & Sculpture	Art & Culture

<b>Mr. Debasish Ghosh</b>	Visiting Faculty	Departmental	Painting/Modelling & Sculpture	Art & Culture
<b>Dr. Amit Sankar Saha</b>	HOD	Non-Departmental	English	Language & Literature
<b>Ms. Durba Pal</b>	Guest Lecturer	Non-Departmental	Bengali	Language & Literature
<b>Ms. Sawagata Mondal</b>	HOD	Non-Departmental	Geography	Arts & Humanities
<b>Mr. Tuhin Kundu</b>	Assistant Professor	Non-Departmental	Physical Education	Basic & Applied Science
<b>Mr. Kamalendu Ghosh</b>	Guest Faculty	Non-Departmental	Political Science	Arts & Humanities

#### 4.13.4. Students Details

Total Number of Students	Course	Year of Registration
2	BFA	2023-2024
1	MFA	2023-2024

Total Present students in 2023-24 Academic Year	Course
11	BFA
1	MFA

#### Academic Related Work in Seacom Skills University done by department Faculties

<ul style="list-style-type: none"> <li>Worked as Invigilator of University's all Exams 2023, 2024 – Ms. Priya Saha</li> </ul>
<ul style="list-style-type: none"> <li>Worked as Invigilator of JONT EXAM 2023, 2024 – Ms. Priya Saha</li> </ul>
<ul style="list-style-type: none"> <li>Worked as Invigilator of ANM-JNM EXAM 2023,24 – Ms. Priya Saha</li> </ul>
<ul style="list-style-type: none"> <li>Cultural Convener of the University. 2023,2024– Ms. Priya Saha</li> </ul>
<ul style="list-style-type: none"> <li>Departmental all officials work. (2023-2024) – Ms. Priya Saha</li> </ul>
<ul style="list-style-type: none"> <li>All Departmental Questions sheet prepared by (2023-24)– Mr. Debasish Ghosh</li> </ul>
<ul style="list-style-type: none"> <li>Worked as Invigilator of University's all Exams 2023, 2024 – Mr. Debasish Ghosh</li> </ul>
<ul style="list-style-type: none"> <li>Worked as a IIC (Institution's Innovation Council) member (20223-2024) – Ms. Priya Saha</li> </ul>

#### 4.13.5. Faculties Participation in Workshop/Exhibition/Seminar/Event

<ul style="list-style-type: none"> <li>Participated Rajjya Charukala parsod Exhibition 2024 – Ms. Priya Saha</li> </ul>
<ul style="list-style-type: none"> <li>Participated Bengal Art Foundation Exhibition 2024 BARDHAMAN– Ms. Priya Saha</li> </ul>
<ul style="list-style-type: none"> <li>Participated Gaiety Art Gallery, Shimla 2023– Ms. Priya Saha</li> </ul>
<ul style="list-style-type: none"> <li>Participated Abir space, 2023– Ms. Priya Saha</li> </ul>
<ul style="list-style-type: none"> <li>Participated Rajjya Charukala parsod Exhibition 2023 – Ms. Priya Saha</li> </ul>
<ul style="list-style-type: none"> <li>Participated Bengal Art Foundation Exhibition 2023 (Academy of Fine Arts) – Ms Priya Saha</li> </ul>
<ul style="list-style-type: none"> <li>Organized Agriculture Art Fair Exhibition 2023- Ms. Priya Saha, (Seacom Skills University)</li> </ul>
<ul style="list-style-type: none"> <li>Organized Jewellery Exhibition 2023 – Ms. Priya Saha, (Seacom Skills University)</li> </ul>
<ul style="list-style-type: none"> <li>Organized Creative Mask Workshop 2023 - Ms. Priya Saha, (Seacom Skills University)</li> </ul>
<ul style="list-style-type: none"> <li>Organized Art Educational Outing Event 2023 – Ms. Priya Saha (Seacom Skills University)</li> </ul>

#### 4.13.6. Departmental Student Development Event

<ul style="list-style-type: none"> <li>Art Fair Exhibition 2023- (Seacom Skills University)</li> </ul>
<ul style="list-style-type: none"> <li>Jewellery Exhibition 2023 – (Seacom Skills University)</li> </ul>
<ul style="list-style-type: none"> <li>Creative Mask Workshop 2023 - (Seacom Skills University)</li> </ul>
<ul style="list-style-type: none"> <li>Art Educational Outing Event 2023 – (Seacom Skills University)</li> </ul>
<ul style="list-style-type: none"> <li>Art Work Display (Exhibition) 2023 &amp; 2024– (Seacom Skills University)</li> </ul>
<ul style="list-style-type: none"> <li>Live Sketches workshop, Kolkata Book Fair, 2024 - (Seacom Skills University)</li> </ul>
<ul style="list-style-type: none"> <li>Photography Contest &amp; Exhibition, 2024</li> </ul>
<ul style="list-style-type: none"> <li>Online Art Session With Artist (Painting Presentation by Artist), 2024</li> </ul>
<ul style="list-style-type: none"> <li>Puppetry in Education ( Talk &amp; Presentation ) Show,2024</li> </ul>

<ul style="list-style-type: none"> <li>• screening on Walt Disney’s short Animated Film, 2024</li> </ul>
<ul style="list-style-type: none"> <li>• screening on Chaplin’s Film, 2024</li> </ul>
<ul style="list-style-type: none"> <li>• Print Making Workshop &amp; Exhibition, 2024</li> </ul>
<ul style="list-style-type: none"> <li>• Handcraft Exhibition, 2024</li> </ul>
<ul style="list-style-type: none"> <li>• Convocation (Cultural Event), 2024</li> </ul>

#### 4.13.7. Departmental Events and Activity Images

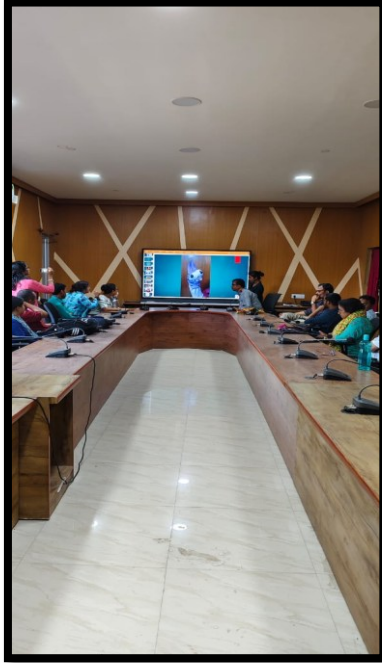
##### Live Sketches workshop, Kolkata Book Fair, 2024 - (Seacom Skills University)



##### Photography Contest & Exhibition, 2024



**Puppetry in Education ( Talk & Presentation ) Show,2024**



**Screening on Chaplin's Film, 2024**



**Print Making Workshop & Exhibition, 2024**



Handcraft Exhibition, 2024





# Research and Development



## **5. Research and Development**

### **5.1. Introduction**

Research plays a vital role in global development, serving as a catalyst for new ideas, innovative techniques, and advanced methodologies across diverse disciplines. Beyond generating knowledge, scientific research significantly contributes to the development of a skilled and competent workforce, enriching the academic fabric of universities. The Seacom Skills University (SSU) actively engages in research across key spectrums such as Agriculture, biosciences, pharmaceutical sciences, engineering and other fields as well. The university is progressively expanding its research initiatives into emerging and critical areas, aiming to strengthen the connection between farmers, academia, and scientific entities. The university fosters a dynamic research environment that encourages innovation, interdisciplinary collaboration, and practical application of knowledge to address real-world challenges. Its R&D efforts are aimed at contributing to sustainable development, enhancing skill-based education, and promoting a culture of inquiry and continuous improvement.

"Research is not only the backbone of higher education but also the catalyst for innovation and national development."

### **5.2. Ph.D. and Doctoral Research**

#### **5.2.1. Doctoral Studies (Ph.D.)**

Doctoral education at Seacom Skills University (SSU) is designed to cultivate advanced research skills, critical thinking, and scholarly excellence across a range of academic disciplines. The PhD programs at SSU emphasize rigorous research methodology, interdisciplinary learning, and innovation, enabling scholars to contribute meaningful insights to their fields of study. Supported by experienced faculty mentors, well-equipped research facilities, and a collaborative academic environment, SSU's doctoral studies aim to produce thought leaders and experts who can address complex challenges and drive progress in academia, industry, and society.

#### **5.2.2. Ph.D. cell**

The Ph.D. cell at Seacom Skills University, Bolpur, is dedicated to fostering academic excellence by supporting and empowering research scholars and academicians throughout their Ph.D. journey. The cell aims to cultivate a spirit of inquiry, encouraging scholars to transcend conventional boundaries of knowledge and disciplines in pursuit of their academic and professional aspirations.

A) The PhD Cell, provides comprehensive academic support to all research scholars enrolled under Seacom Skills University, ensuring smooth progression through various stages of doctoral research.

### 5.2.3. Ph.D. Degrees Conferred in the Academic Year 2023–24

SL No.	Department	Name of the candidate	Date of Award	Title of the Thesis
1	GEOGRAPHY	Tapasi Das	07.08.2023	Economic well being and hazards of indoor air pollution a health threat practical measures for prevention of Rajpur Sonarpur municipality south 24 parganas WB india
2	EDUCATION AND SOCIOLOGY	Samarpita Chowdhury	08.08.2023	Role of self esteem and stress on academic achievement of college students
3	EDUCATION	Sudipto Mahato	14.08.2023	Purulia jelar lok sanaskriti chorchha o jono shiksha
4	SANSKRIT	Sibasish Das	23.08.2023	Survey of the development of sanskrit education in the district of medinipur adjacent to odisha in post independence india
5	GEOGRAPHY	Mobaydul Mallick	23.08.2023	Impact of self help groups on socio economic development of women of arambagh sub division of hooghly district west bengal
6	EDUCATION AND SOCIOLOGY	Chanchal Kumar Das	23.08.2023	Impact of socio economic and socio cultural parameters on the lung cancer patients at kolkata metropolitan city west bengal
7	SANSKRIT	Snehasis Roy	01.09.2023	Rupa goswami natyakrti samiksa
8	HISTORY	Sujoy Halder	15.09.2023	Evolution of women s right to inheritance hindu marriage act 1856 1956
9	GEOGRAPHY	Ayan Kumar Maity	19.09.2023	Geographical analysis of illumination industry a case study in chandannagar subdivision of hooghly district west Bengal
10	BENGALI	ApurbaLal Majumder	20.09.2023	Naba nirikshar aaloke dwijendralal rayer aitihasic natak
11	GEOGRAPHY	Mita Sarkar Mandal	25.09.2023	Changing scenario of horticulture and its impact on socio economic characteristics in baruipur block south 24 parganas west Bengal
12	EDUCATION	Devoprasad Das	26.09.2023	Socio economic condition occupational preference and levels of aspiration of the sc students at secondary level
13	EDUCATION	Madhumita Mukherjee	26.09.2023	Status of inclusive education programme and academic achievements of differently abled learners at the secondary schools
14	ENGLISH	Ananta Kumar Banerjee	05.10.2023	Transition from diaspora to transculturation in select novels of chitra banerjee divakaruni a critical study
15	BIO-SCIENCE	Bani Mondal	06.10.2023	Detection of lead in estuarine water and accumulation in vital organs followed by genotoxicity in the peripheral erythrocytes of parse fish liza parsia at sundarban coastal region west bengal india
16	CHEMISTRY	SUDIPTA BISWAS	06.10.2023	Study of toxic heavy metals enrichment in soil and hyperaccumulation capability of weeds around solid waste dumping site of berhampore municipality west Bengal
17	BENGALI	Mantu Das	12.10.2023	Dakshin 24 parganar loukik deb debi puja parban biswas o mahaty o janajibane tar Prohhab o gurutwo

18	BENGALI	Pranab Sarkar	12.10.2023	Sundarbaner loukik dev devi o lok sahitya
19	POLITICAL SCIENCE	Rupali Halder	13.10.2023	Sundarban anchal er swanirvor gosthi andolon upojati mohila somajer swanirvorotar songram
20	GEOGRAPHY	Atashi Jana	13.10.2023	A geo spatial appraisal of changing ecology of moushuni island sundarban india
21	EDUCATION	Palash Chakraborty	16.10.2023	Attitude of parents peers and teachers towards visually impaired students at secondary level vis a vis academic achievement
22	POLITICAL SCIENCE	Suvro Sarkar	18.10.2023	Bangali narir rajnoitik o samajik chetonar bikash o bangla samoyik potro bisheshbhabe mohila sampadito bangla samoyik patrosamuher bhumika prak swadhinata parbo
23	ENGLISH	Priyanka Chakdar	18.10.2023	Representation of the inner and the outer worlds of few female characters in vijay tendulkar s select texts
24	SANSKRIT	Arabinda Gharui	18.10.2023	Devibhagavate pratiphalita samaj o stri devata samiksa
25	GEOGRAPHY	Kumarjeet Chatterjee	30.10.2023	Present status and prospect of tourism and ecotourism in duars area of jalpaiguri and alipurduar districts of west Bengal a geographical appraisal
26	HISTORY	Debjani Som	30.10.2023	depiction of working women in selected films of indian cinema 1950s 1990s a critical analysis
27	EDUCATION	Md. Habibur Rahaman	30.10.2023	Identification of teaching learning problems in mathematics and remediation through comprehension test at secondary level in murshidabad district of west Bengal
28	BIO-SCIENCE	Keya Bhattacharya	30.10.2023	Study of bioaccumulation morphology biochemical profiles and genotoxicity in parse fish liza parsia with special reference to lead and arsenic at midnapur coastal region west bengal india
29	EDUCATION	Sourav Rana	31.10.2023	Right to education act 2009 and education at the lower secondary stage with special reference to scheduled caste students
30	BENGALI	Manas Kumar Maji	31.10.2023	Chandas jat prakrita janaganer bhasar kram bibartane banglar bhasar udbhab
31	MANAGEMENT	Ashis Samui	04.12.2023	A critical study on the increase in complexities of industrial relation in the tea estates of north bengal in west bengal
32	BIO SCIENCE	Anuradha Gupta	06.12.2023	Evaluation of cyto genotoxicity in selected fish species inhabiting wetlands
33	BENGALI	Sarada Bishnu	08.12.2023	Rabindra upanyase dampatya sankat bichar o bishleshan
34	BENGALI	Moumita Guha	08.12.2023	Sundarbaner loukik dev devi o lok sahitya
35	NUTRITION	Sarbari Dasgupta	12.12.2023	Assessment of lifestyle management in diabetic patients for education through counselling for the prevention of co morbidity in eastern india west Bengal
36	SANSKRIT	Rupali Ghosh	12.12.2023	Dharma darshan o anyanya sanskrita shastra bhabanay sri sitaramdas omkarnath
37	RDM	Keya Ghosh	27.12.2023	A study on the role of self help group in rural development and management
38	GEOGRAPHY	Basudev Halder	05.01.2024	Social and economic landscapes of hooghly district west bengal 1991 2011 a spatio temporal analysis
39	EDUCATION	Partha Sarathi Nandi	16.01.2024	Content strategies involved and teachers attitude towards teaching english
40	EDUCATION	Rubee Srivastava Sengupta	16.01.2024	Practices and functioning patterns for the development of life skills among adolescents in schools
41	BENGALI	Gurudas Biswas	17.01.2024	Mahasweta devir choto golpe nirbachita nimnabargio jiban



42	EDUCATION	Nivedita Sarkar (Talukder)	22.01.2024	Effectiveness of applying integrated strategies of micro teaching skills in teaching science a study
43	MANAGEMENT	Darpan Bhattacharyya	30.01.2024	Succession planning of the employees serving in higher education institutions a study with reference to the teachers in the district of paschim bardhaman
44	EDUCATION	Sudip Mukherjee	02.02.2024	Shiksha o samaj bikash bhabnar aloke madanmohan tarkalankar
45	POLITICAL SCIENCE	Md Samsul Huda Molla	16.02.2024	Sundarboner dakhin anchaler diamond harbour mohokumar adhine prantik mohilader abosthan
46	PHILOSOPHY	Debopriti Roy	19.02.2024	Manusher darshan rabindranath thakurer manabatabadi drishtibhongir srijonshil anweshan
47	FOOD & NUTRITION	Pritisha Ghosh	26.02.2024	A comprehensive study of dietary pattern and awareness among rural and urban population of type2 diabetes mellitus patients
48	EDUCATION AND SOCIOLOGY	Dipika Nandi	27.02.2024	adjustment study habits and academic achievement of residential and non residential school students
49	EDUCATION AND SOCIOLOGY	Sujoy Kumar Hazra	27.02.2024	Level of education socio economic status and empowerment of mahali women in birbhum district of west Bengal
50	HISTORY	Doyel Saha	04.03.2024	Local and nationalist politics of midnapore a study into its socio economic background 1855 1937
51	ZOOLOGY	Utpal Chakraborty	07.03.2024	Study of morphological anomalies and genotoxicity of three genus of fishes from the market of Kolkata
52	ZOOLOGY	Mayukhmala Mandal	07.03.2024	Evaluation of lead pollution to determine skeletal abnormalities and genotoxicity of peripheral erythrocytes of the fish mystus gulio hamilton buchanan 1822 in the hooghly river west Bengal
53	ZOOLOGY	Sukanya Bandopadhyay	07.03.2024	Diversity assessment of visiting insects in the mustard and rice crops in relation to insecticides and arsenic in agricultural soil at ghatal west Bengal india
54	EDUCATION	Sourav Talapatra	15.03.2024	Anxiety and locus of control in relation to Academic achievement of secondary school students a correlational study
55	ENGLISH	Shamsad Nahar	20.03.2024	songs in shakespeare and brecht in bengali translation adaptation and stage presentation
56	BENGALI	Ananda Mohan Maity	22.03.2024	Abibhakta medinipur jelar lokashilpa o tat sampriktan sanskriti charcha
57	BIO SCIENCE	Bhaskar Karmakar	28.03.2024	Predictive toxicity of phytocompounds from nerium oleander linn and annona reticulata linn along with molecular docking and interaction against proteins an approach on anti inflammation and analgesic properties
58	ENGLISH	Biswajit Bauna	03.04.2024	Science and poetry the traditional debate across the ages through selected texts
59	BENGALI	Nirmal Kumar Biswas	04.04.2024	Bangla sahityer bish shotoker nirbachito bideshi lekhok ebong tader rochona Somiksha o mulyayan
60	MANAGEMENT	Sayantani Ray	19.04.2024	consumer behaviour and perception towards health insurance products an empirical study in west Bengal
61	MANAGEMENT	Anindya Saha	22.04.2024	Effectiveness of training through virtual mode for employees working in it Companies located at Kolkata
62	MANAGEMENT	Atish Basu	22.04.2024	A comparative study of the performance of digital over conventional banking system and identifying effectiveness and acceptability of digital banking in kolkata west Bengal

63	HISTORY	Archana Chatterjee	25.04.2024	A new look in indian history study of women education in mughal india
64	HISTORY	Swades Jana	25.04.2024	Hooghly jelar panchayet gulite mahilader Khamatayan 1993 2018
65	BENGALI	Dipanjana Chattaraj	06.05.2024	Bangla sishu sahityer antarlok
66	GEOGRAPHY	Srinkha Ghosh	06.05.2024	A geographical study on forest resources of bolpur sub division west Bengal
67	GEOGRAPHY	Nilufar Yasmin	06.05.2024	Impact of the mid day meal scheme on education in bolpur sub division west Bengal
68	GEOGRAPHY	Rakesh Baidya	06.05.2024	Impact of mission nirmal bangla on health of rural people in bolpur sub division west Bengal
69	ZOOLOGY	Arunava Ghosh	09.05.2024	Assessment of toxic metals in water and sediment in the upstream and downstream of ganga river west bengal india biomonitoring of indicator gastropod species
70	GEOGRAPHY	Shiladitya Purakayastha	10.05.2024	Socio economic status of women workforce n brick kiln industry of diamond harbour sub division in south 24 parganas district west Bengal
71	ENGLISH	Md Shawkat Ali	14.05.2024	Time and the graph of indianness in the select novels of amit chaudhuri
72	NUTRITION	Swapan Banerjee	15.05.2024	Study on effect of dietary intervention on hypothyroidism and its associated factors among working women of 30 40 years in eastern part of west Bengal
73	EDUCATION	Musarrat Nazmi	16.05.2024	Popular culture and bangla comics a comparative study of indrajal comics phantom series handa bhonda and professor shonku
74	EDUCATION AND SOCIOLOGY	Sanjit Biswas	16.05.2024	Impact of the leadership behaviour of principals of general degree colleges on the academic achievement of students a critical study
75	MATHEMATICS	Sandip Ghanta	10.06.2024	Evolution of indian mathematics since 12th century bc to 15th century ad
76	MATHEMATICS	Joydev Bera	10.06.2024	History of Mathematics in The Light of Major Contribution of Greek Mathematics
77	EDUCATION	Pinaki Roy	11.06.2024	Attitude of pre service and trained teachers towards bed programme
78	EDUCATION	Keya Mandal		Impact of occupational stress on family environment and job performance Among upper primary school teachers in west Bengal
79	GEOGRAPHY	Bablu Samanta	13.06.2024	Population growth in post independence period and its impact on the economy of sundarban region in west bengal a geographical appraisal
80	GEOGRAPHY	Soma Naskar	13.06.2024	Changes of land use due to urbanization in rajpur sonarpur municipality of south 24 parganas district in west Bengal
81	HISTORY	Mafikul Islam	13.06.2024	Revisiting haji muhammad mohsin establishment of wakf estate and its management 1732 ce 1836 ce
82	POLITICAL SCIENCE	Priyankar Dutta	05.07.2024	Regionalism in indian political party system from 1952 2000 the impact of regional political parties in Socio economic and political fields of west Bengal
83	BENGALI	Kanchan Ghosh	08.07.2024	Tarasankar Bandhyapadhayer nirbachito upanyase samaj paribartaner dhara ekti paryalochana
84	BENGALI	Barun Roy	08.07.2024	Tarashankarer kathasahitye aadim o joibo probrittir bhabna ekti samiksha
85	BENGALI	Mahua Marick	10.07.2024	Maramia kavya bhabonar aaloke rabindranath o hasan raja ekti tulanamulak adhyayan
86	BENGALI	Tumpa Mandal	10.07.2024	Dhibar sanskriti bangla sahitye dhibar prasonga ekti samiksha

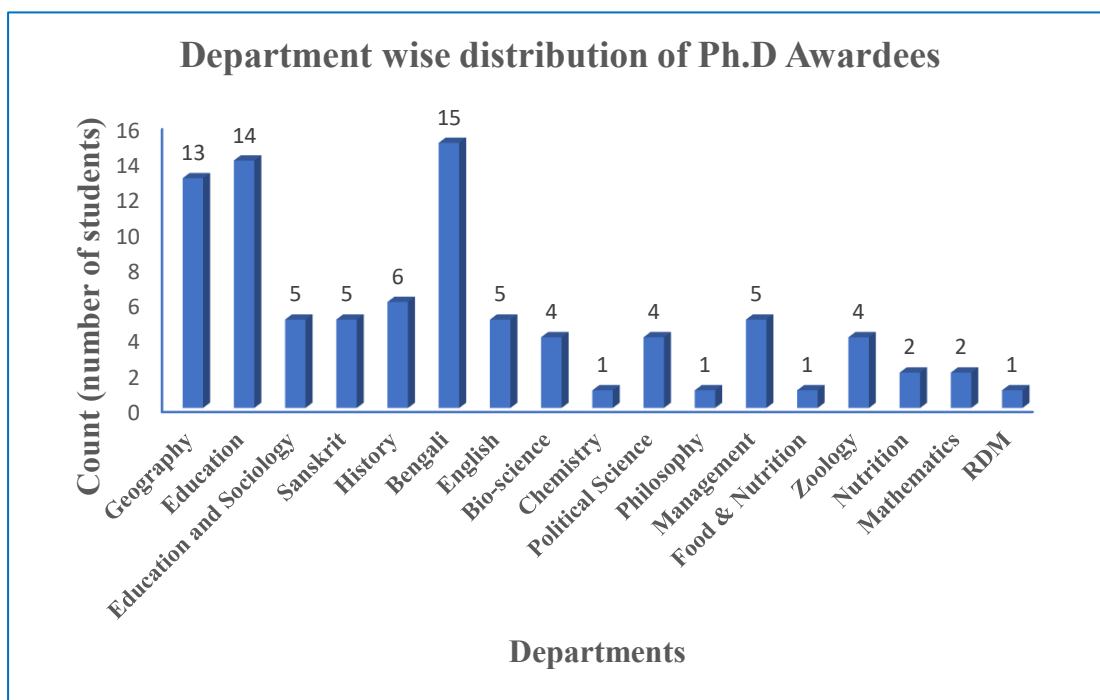




87	SANSKRIT	Indrani Laha	12.07.2024	Manav kalyane shrimad bhagata puran ekti anusandhan mulak samiksa
88	BENGALI	Biswanath Dawn	26.07.2024	Baishnav tirtha bankura



### 5.2.4. Department wise distribution of Ph.D. Awardees



## 5.3. Innovation and Incubation Initiatives

### 5.3.1. Activities of the Institution Innovation Council (IIC)

The Institution Innovation Council (IIC) of Seacom Skills University plays a pivotal role in cultivating a vibrant culture of innovation, entrepreneurship, and startup development within the university ecosystem. Aligned with the guidelines of the Ministry of Education’s Innovation Cell (MIC), the IIC at SSU undertakes a variety of structured and impactful activities aimed at fostering creative thinking and problem-solving skills among students and faculty members. Throughout the academic year, the IIC organizes numerous programs and events such as innovation and design-thinking workshops, idea-generation bootcamps, hackathons, startup mentorship sessions, and entrepreneurship awareness drives. These initiatives provide a platform for aspiring innovators to present their ideas, receive feedback from experts, and develop practical solutions to real-world challenges. Special emphasis is placed on encouraging interdisciplinary collaboration and linking students with industry leaders, entrepreneurs, and research professionals.

In addition, the IIC at SSU actively participates in national innovation contests, innovation ranking frameworks, and startup ecosystem networks, enhancing visibility and outreach beyond the campus. The council also facilitates sessions on Intellectual Property Rights (IPR), prototype development, and business model creation to equip students with the knowledge required for transforming ideas into sustainable ventures. By nurturing innovation and entrepreneurial spirit, the Institution Innovation Council at Seacom Skills University significantly contributes to building a self-reliant, skilled, and future-ready generation of professionals.

### 5.3.2. Activities conducted by IIC

#### 5.3.2.1. Poster Presentation on Innovative Business Plan

The programme Poster Presentation on Innovative Business Plan organized by the Institution’s Innovation Council (IIC) of Seacom Skills University, in association with the Ministry of Education’s Innovation Cell, AICTE, and the Government of India. The event is scheduled for 24th May 2024 at 11 AM in Room 401, Academic Building - I, at the university campus in Kendradangal, Birbhum, West Bengal. The programme aimed at fostering creativity, entrepreneurship, and strategic thinking among students and aspiring innovators. Organized as part of a national-level initiative to promote innovation and startup culture in educational institutions, the program provides a platform for participants to conceptualize, design, and present their entrepreneurial ideas visually. This initiative addresses the growing need for encouraging youth-driven enterprise development, practical business modelling, and problem-solving through innovation. By allowing both handmade and digital formats, the event also encourages inclusivity and expression across diverse skill sets, ultimately nurturing a generation of future-ready entrepreneurs.



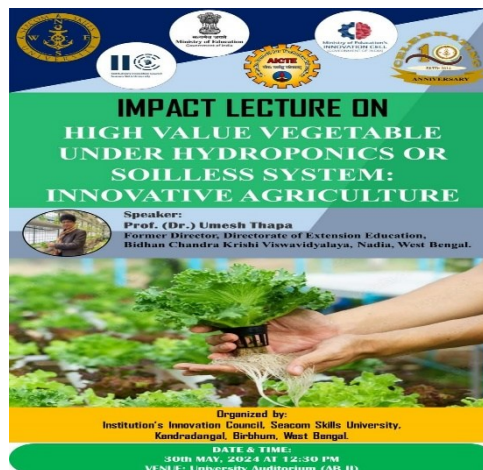
#### 5.3.2.2. Exposure Field Visit

The poster highlights an Exposure Field Visit organized for the students of the School of Agriculture, Seacom Skills University, under the initiative of the Institution’s Innovation Council. Scheduled for 28th May 2024, the visit aims to provide students with practical, hands-on learning by immersing them in real-world agricultural practices at Rathindra KVK, Sriniketan, Bolpur. This field exposure is intended to bridge the gap between theoretical knowledge and on-ground realities, fostering experiential learning, awareness of modern farming technologies, and insight into rural agricultural development. Such visits are essential for nurturing future agri-professionals with practical skills and innovation-driven perspectives.



### 5.3.2.3. High Value Vegetable Under Hydroponics or Soilless System: Innovative Agriculture

The Lecture titled "High Value Vegetable Under Hydroponics or Soilless System: Innovative Agriculture", was organized by the Institution’s Innovation Council of Seacom Skills University, aims to shed light on cutting-edge agricultural practices that eliminate the need for soil. Delivered by Prof. (Dr.) Umesh Thapa, a distinguished expert and former Director at Bidhan Chandra Krishi Viswavidyalaya, this session will delve into hydroponics and other soilless cultivation systems as sustainable and efficient methods for growing high-value crops. The event, scheduled for 30th May 2024 at 12:30 PM at the University Auditorium (AB II), seeks to inspire innovation and promote environmentally conscious farming among students, researchers, and agricultural professionals.



## 5.4. Research Collaborations and MoUs

### 5.4.1. International collaborations

Seacom Skills University is committed to enhancing both employment opportunities and employability through the strategic initiatives of its Innovation and Incubation Centre (IIC). With a strong focus on global collaboration, the university has established partnerships with several esteemed international institutions through Memoranda of Understanding (MoUs). Notable partner institutions include **George Mason University, Fayetteville State University, Near East University, and Asia University**. Additionally, the **Canada-India Centre for Excellence (CICE) at Carleton University** is set to collaborate with SSU on innovative skill development programs. As part of its community outreach and social responsibility, the university has adopted five neighbouring villages, conducting skill development and entrepreneurship workshops aligned with the District Annual Plan. Further advancing its vision of technological excellence, SSU is also in the process of establishing a state-of-the-art 3D Printing Technology Lab in collaboration with the University of Eastern Finland, positioning itself as a future hub for innovation and applied research.

### 5.4.2. National collaborations

#### 5.4.2.1. List of MoUs signed with Seacom Skills University during 2023-2024

SL No.	Name of partnered organization	Name of host organization	Details
1	Rimoli Seeds & Bio-Chem Pvt. Ltd.	Seacom Skills University (SSU)	Rimoli Seeds & Bio chem. Pvt Ltd. Purulia,

			West Bengal; engaged in internship, guest lectures, industrial trainings & visits and placement of students.
2	Edunet Foundation, Gurgaon	Seacom Skills University (SSU)	Edunet Foundation, Gurgaon engaged in guest lectures, workshops, internships, employment and/or entrepreneurial opportunities.
3	Mali Agri Tech Pvt Ltd., Ranaghat, Nadia, West Bengal	Seacom Skills University (SSU)	Mali Agri Tech Pvt Ltd., Ranaghat, Nadia, West Bengal; engaged in Internship, guest lectures, industrial visits, and placement of students.
4	Prograd Talent Solution Pvt Ltd, Coimbatore, Tamil Nadu	Seacom Skills University (SSU)	Prograd Talent Solution Pvt Ltd, Coimbatore, Tamil Nadu; engaged in internship and placement of students.
5	E-cell IIT, Bombay	Seacom Skills University (SSU)	E-cell IIT, Bombay; engaged in providing the NEC team's mentorship & resources, workshops, speaker sessions, internship and placement of students.
6	Speegile Consulting Pvt Ltd, Mumbai	Seacom Skills University (SSU)	Speegile Consulting Pvt Ltd, Mumbai; engaged in imparting skills that are directly useful in the industry, internship and placement.
7	Star Health and Allied Insurance Company, Chennai, Tamil Nadu	Seacom Skills University (SSU)	Star Health and Allied Insurance Company, Chennai, Tamil Nadu; engaged in training in the finance and insurance sectors, internship and Placement of students.

8	Med Plus (Optival Health Solutions Pvt Ltd), Kolkata	Seacom Skills University (SSU)	Med Plus (Optival Health Solutions Pvt Ltd), Kolkata; engaged in workshops, internships, entrepreneurship training and placement of students.
9	Clicks Talent Connect Pvt Ltd, Karnataka	Seacom Skills University (SSU)	Clicks Talent Connect Pvt Ltd, Karnataka; engaged in providing free access to all the published online courses and placement of students.
10	R.S. Geotech Pvt Ltd, Kolkata	Seacom Skills University (SSU)	R.S. Geotech Pvt Ltd, Kolkata; engaged in workshops guest lectures, Internships and placement of students.

**5.5. Sponsored Projects and Grants**

**5.5.1. Research projects funded by government agencies or private industries**

**5.5.1.1. Fin fish hatchery**

A fin fish hatchery has been established at Seacom Skills University, Bolpur, under the Pradhan Mantri Matsya Sampada Yojana (PMMSY) beneficiary scheme in conjunction with the Bangla Matsya Yojana (BMY). With a total budget outlay of ₹25,00,000, this initiative aims to boost sustainable aquaculture practices and enhance fish seed production in the region. The hatchery is equipped with modern infrastructure and scientific breeding facilities to support the cultivation of high-quality fin fish species. By promoting skill development and providing technical training in aquaculture,



the project not only strengthens local fish farming but also creates livelihood opportunities for the youth and fishery entrepreneurs in West Bengal. The hatchery was inaugurated by Sri. Biplab Roy Chowdhury, Hon'ble M.O.S. (IC), Department of Fisheries, Aquaculture, Aquatic Resources and Fishing Harbour, Government of West Bengal.

### 5.5.1.2. Assessment of Carbon sequestration potential of Sundarban Mangrove

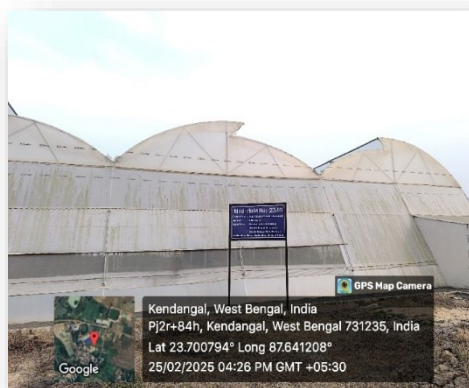
#### Sediments

The project titled "Assessment of Carbon Sequestration Potential of Sundarban Mangrove Sediments" is being conducted at Seacom Skills University, Bolpur, with initial funding support of ₹3,30,000 from the Nature Environment and Wildlife Society (NEWS). Focused on evaluating the critical role of mangrove sediments in capturing and storing atmospheric carbon, the project aims to contribute valuable insights towards climate change mitigation and coastal ecosystem sustainability. During the financial year 2023–24, the first phase of the project was successfully completed, yielding promising preliminary data. In recognition of its potential impact, the project has now been extended, with an increased budget allocation to support expanded research and deeper analysis in the next phase.



### 5.5.1.3. National Horticulture Mission (NHM at SSU)

A state-of-the-art polyhouse facility has been established at Seacom Skills University, Bolpur, under the National Horticulture Mission (NHM) beneficiary scheme of the National Horticulture Board (NHB), Government of India. With a total budget outlay of ₹25,00,000, the facility is designed in a tubular structure and spans an area of 1000 square meters. This modern polyhouse aims to promote advanced horticultural practices by providing a controlled environment for the cultivation of high-value crops, thereby enhancing productivity and sustainability. The initiative also serves as a practical training and research hub for students and farmers, fostering innovation and skill development in protected cultivation techniques.



#### 5.5.1.4. Trials of Products (Pheromones)-PROVIVI Inc.

The project titled "Trials of Formulated Products (Pheromones)" is being carried out at Seacom Skills University, Bolpur, in collaboration with PROVIVI, Inc., an emerging biotechnology company based in the USA. This research initiative focuses on the field testing and evaluation of innovative pheromone-based pest control solutions aimed at promoting sustainable and eco-friendly agricultural practices. The project successfully completed its first phase in 2022 with a budget of ₹60,00,000, followed by an expanded second phase in 2023 with a budget of ₹80,00,000. Encouraged by the positive outcomes and field applicability, the project has now been extended further with an increased budget allocation, enabling more extensive trials and deeper analysis to support the commercialization of pheromone-based technologies in Indian agriculture.



#### 5.5.1.5. Assessment of the efficiency of a bio-stimulant (Krish Tee) in increasing aquatic productivity.

The project titled "Assessment of the Efficiency of a Bio-Stimulant (Krish Tee) in Increasing Aquatic Productivity" is currently being undertaken at Seacom Skills University, Bolpur, with funding support of ₹2,20,000 from Krishi Rasayan Lifesciences Pvt. Ltd. The objective of the project is to evaluate the impact of the bio-stimulant Krish Tee on enhancing the productivity of aquatic ecosystems, particularly in aquaculture settings. By analyzing key parameters such as nutrient availability, water quality, and biological yield, the study aims to determine the effectiveness of the product in promoting sustainable and efficient aquaculture practices. The project is ongoing and is expected to contribute valuable insights into environmentally friendly inputs for boosting aquatic production.



### 5.5.2. Participation in schemes like PMKVY, DST, DBT, ICAR

SL No.	Name of the scheme	Authority	Details
1	PMMSY: Pradhan Mantri Matsya Sampada Yojana (PMMSY)	The Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying, Government of India	Obtain fin fish hatchery under the beneficiary scheme of Pradhan Mantri Matsya Sampada Yojana (PMMSY)
2	National Horticulture Mission (NHM)	National Horticulture Board (NHB), Government of India	Obtain a tubular poly house facility under NHM, a sub-scheme of the Mission for Integrated Development of Horticulture (MIDH), implemented by the National Horticulture Board (NHB)

## 5.6. Conclusion and Future Outlook

The academic year 2023–24 marked a significant chapter in Seacom Skills University’s journey toward research excellence. With a substantial number of Ph.D. degrees awarded across diverse disciplines, increased faculty engagement in national and international scholarly platforms, and the continued expansion of the Institution Innovation Council’s activities, the University has demonstrated its strong commitment to fostering a culture of innovation and inquiry. Additionally, impactful research collaborations, sponsored projects in aquaculture, agriculture, and environmental sciences, and a series of MoUs with reputed national and international partners have further strengthened SSU’s research ecosystem. These achievements reflect the University's strategic focus on integrating research with societal development and skill-based education, paving the way for impactful academic contributions and regional advancement.

### 5.6.1. Future Outlook

To build upon its current momentum, Seacom Skills University outlines the following strategic directions to enhance its research and innovation landscape:

- ★ **Promotion of Interdisciplinary Research:** SSU will prioritize the development of interdisciplinary projects by fostering collaboration across departments in areas such as climate resilience, biotechnology, digital transformation, and rural innovation.
- ★ **Focus on Intellectual Property and Innovation:** The University will increase support for patent filings and prototype development by scaling innovation and IPR workshops, startup mentoring, and incubation programs.
- ★ **Participation in Global and National Rankings:** SSU aims to participate in ranking frameworks such as NIRF (India), NAAC and others, through quality enhancement in research output, faculty credentials, student performance, and internationalization.

- ★ **Strengthening Research Infrastructure:** Plans are underway to establish advanced laboratories and digital research facilities, along with sector-specific R&D centres to support cutting-edge, real-world research.
- ★ **Expansion of National and Global Collaborations:** The University will pursue deeper academic and industrial partnerships to enable joint research, knowledge exchange, and international student/faculty mobility programs.
- ★ **Capacity Building for Scholars and Faculty:** Regular training in research methodology, data analysis, academic writing, and grant proposal development will be provided to enhance research competencies.
- ★ **Growth in Sponsored Research and Grants:** SSU will actively pursue funding from national agencies (e.g., DST, DBT, ICAR) and international bodies to increase its externally funded research portfolio, especially in sustainability, public health, and education.

Through these forward-looking initiatives, Seacom Skills University is dedicated to establishing itself as a center of excellence in research and innovation, committed to addressing global challenges and driving inclusive growth.



# Placements and Industry Interface



## 6. Placements and Industry Interface

During the academic year 2023-24, the Training and Placement Cell of Seacom Skills University made significant strides in enhancing the employability of students and building strong industry linkages. A series of career-oriented training programs, including aptitude development, soft skills enhancement, technical workshops, and mock interviews, were conducted across all departments. The university collaborated with several leading companies to facilitate campus recruitment drives, resulting in a marked increase in placement offers across various sectors such as Agriculture, Pharmacy, IT, manufacturing etc. Notable recruiters this year included Lupin Ltd., Medplus, TCS, Farmsite Agro Solution Pvt. Ltd., Plant Biochem Pvt. Ltd. Etc. reflecting the growing industry confidence in our students' skill sets.

The cell also organized industry visits, internships, and expert lectures to bridge the gap between academic learning and industry expectations. Overall, the year witnessed steady growth in placement statistics, highlighting our commitment to holistic student development and career readiness.

### 6.1. Center for Competitions

Seacom Skills University is focused on encouraging students to participate in competitions. It is an excellent platform for one to face real time challenges, test their skill set and prepare them for the industry needs. The future of the hiring in the industries will be fully dependent on the contributions SSUians.

actively participate include:

- \* TCS NQT, HackQuest
- \* Honeywell Technology Challenge
- \* Smart India Hackathon – Government of India
- \* Digi Feast- Government Rajasthan
- \* Tamil Nadu Startup and Innovation Mission (Startup - TN)
- \* AgriTech – Food Security
- \* Agrigate
- \* Green Bangla Innovation Contest – Government of West Bengal

### 6.2. Dream Career – Webinar Series

Seacom Skills University is launching DREAM CAREER – an online webinar series with an objective of providing career guidance and industry expert sessions on various topics relevant to the context of today and future.

This provides an opportunity to Educators, Industry Professionals, Entrepreneurs and Students from across the globe to attend some of the rich sessions from being at home.

### 6.3. Knowledge 4.0 – Webinar Series

Seacom Skills University is launching Knowledge 4.0 – an online webinar knowledge series with an objective of providing industry expert sessions on various Research and Technical topics relevant to the context of present and future.

This provides an opportunity to Educators, Industry Professionals, Entrepreneurs and Students from across the globe to attend some of the rich sessions from being at home.

DATE	WEBINAR TOPIC	SPEAKER
12.08.2023	Design Your Destiny	Mr. M.D.Dinakaran Staff Engg – R&D Illumina Singapore Pvt Ltd.
14.09.2023	Agri Care and Prevention	Total Agri Care Concern Pvt Ltd.
18.03.2024	Career in Hospital and Retail pharmacy	Mr. Kuntal Sarkhel
27.03.2024	Scope & Opportunities in Pharmaceutical Marketing	Mr. Swapan Sarkar
05.04.2024	Trending Technologies of the industry for Engineering aspirants	Mr. Rajesh Mitra & Mr. Sukhendu Ghosh

### 6.4. Our Prime Recruiters:

## 6.5. Student Placement Overview: 2023–24

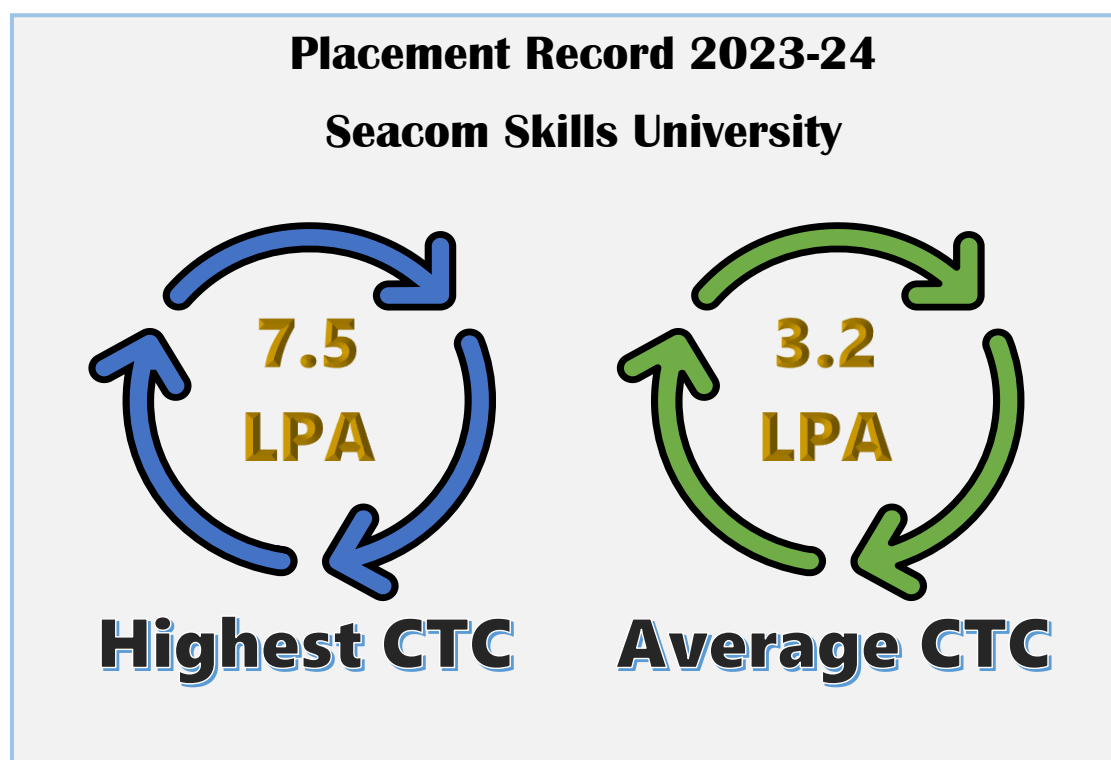
Sl No	Candidate Name	Position	Organization Name	School/Department
1	Hemanta Nandi	Sales Executive	Nabeen Kishan Bio Technologies Pvt. Ltd.	School of Agriculture
2	Safiur Rahaman	Sales Officer	Farmsite Agro Solution Pvt. Ltd.	School of Agriculture
3	Abdul Salam	Field Assistant	Kings Agrico	School of Agriculture
4	Saddam Hussain	Sales Officer	Farmsite Agro Solution Pvt. Ltd.	School of Agriculture
5	Ahsanul Hoque Choudhury	Market Development Representative	Monsut Chem Industries	School of Agriculture
6	Srimanta Pal	Sales & Marketing Executive	Rimoli BioChem Pvt Ltd	School of Agriculture
7	Md. Assadullah	Sales & Marketing Executive	Plant Biochem Pvt. Ltd.	School of Agriculture
8	Ankan Ghosh	Market Development Representative	Mayansh Resources Pvt. Ltd.	School of Agriculture
9	Ranajit Maji	Sales & Marketing Executive	Paras Honda	School of Agriculture
10	Md. Soyel Miah	Market Development Representative	GMS Agritech Pvt. Ltd.	School of Agriculture
11	Pritam Samanta	Market Development Representative	GMS Agritech Pvt. Ltd.	School of Agriculture
12	Puspendu Pradhan	Sales Executive	Nabeen Kishan Bio Technologies Pvt. Ltd.	School of Agriculture
13	Sumit Paul	Market Development Representative	GMS Agritech Pvt. Ltd.	School of Agriculture
14	Anushree Roy	Market Development Representative	GMS Agritech Pvt. Ltd.	School of Agriculture
15	Sk Riyaj Uddin	Market Development Representative- Agri Input	Green Agrevolution Pvt Ltd.	School of Agriculture
16	Muktar Hussain	Marketing Manager	Fertiganic Biotech Pvt. Ltd.	School of Agriculture

17	Souradip Dey	Brand Advisor	Yingjia Communication Pvt. Ltd.	School of Agriculture
18	Soumalya Giri	Field Assistant	Devi Crop Science Pvt Ltd	School of Agriculture
19	Sayan Panda	Product Development Catalyst	Qess Corporation Ltd.	School of Agriculture
20	Chaitali Raul	Business Development Executive	Chemtex Speciality Limited	School of Agriculture
21	Kasturika Pal	Business Development Executive	Chemtex Speciality Limited	School of Agriculture
22	Rakhi Dey	Business Development Executive	Chemtex Speciality Limited	School of Agriculture
23	Ayantika Mondal	Business Development Executive	Chemtex Speciality Limited	School of Agriculture
24	Debajyoti Acharjee	Trainee Sales & Marketing	Bengal Seeds & Agro Industries Pvt. Ltd.	School of Agriculture
17	Souradip Dey	Brand Advisor	Yingjia Communication Pvt. Ltd.	School of Agriculture
18	Soumalya Giri	Field Assistant	Devi Crop Science Pvt Ltd	School of Agriculture
19	Sayan Panda	Product Development Catalyst	Qess Corporation Ltd.	School of Agriculture
20	Chaitali Raul	Business Development Executive	Chemtex Speciality Limited	School of Agriculture
21	Kasturika Pal	Business Development Executive	Chemtex Speciality Limited	School of Agriculture
22	Rakhi Dey	Business Development Executive	Chemtex Speciality Limited	School of Agriculture
23	Ayantika Mondal	Business Development Executive	Chemtex Speciality Limited	School of Agriculture
24	Debajyoti Acharjee	Trainee Sales & Marketing	Bengal Seeds & Agro Industries Pvt. Ltd.	School of Agriculture

25	Abdul Rajjak Khan	Pharmacist	Med Plus	School of Pharmacy
26	Amina Sultana	Clinical Research (Internship)	Infoclin	School of Pharmacy
27	Ananya Jana	Quality Control Chemist	Paschim Banga Pharmaceuticals	School of Pharmacy
28	Arjun Das	Production Chemist	Dusap Pharmaceuticals	School of Pharmacy
29	Arkadip Adhikary	Production Chemist	Cipla	School of Pharmacy
30	Arnab Kumar	Pharmacist	Med Plus	School of Pharmacy
31	Avik Mondal	Marketing Executive	Aim Four Lifeline	School of Pharmacy
32	Badrudozzah	Pharmacist	Apollo Pharmacy	School of Pharmacy
33	Dharmanka Bandyopadhyay	Pharmacist	Apollo Pharmacy	School of Pharmacy
34	Hyder Rahaman	Pharmacist	Apollo Pharmacy	School of Pharmacy
35	Jotirmoy Paul	Production Chemist (F&D)	Duckbill Drugs Pvt Ltd	School of Pharmacy
36	Joydip Ghosh	Marketing Executive	Diamond Drugs Pvt Ltd.	School of Pharmacy
37	Md Aktarujjaman	Pharmacist	Apollo Pharmacy	School of Pharmacy
38	Mohd Naseem	Quality Control Chemist	Lupin	School of Pharmacy
39	Niharika Kundu	Quality Control Chemist	Dusap Pharmaceuticals	School of Pharmacy
40	Saif Ali Mollah	Pharmacist	Apollo Pharmacy	School of Pharmacy
41	Sankar Baram	Marketing Executive	Diamond Drugs Pvt Ltd.	School of Pharmacy
42	Sarmistha Panja	Quality Assurance Chemist	Paschim Banga Pharmaceuticals	School of Pharmacy
43	Sayan Mandal	Production Chemist	Mendine Pharmaceuticals Pvt Ltd	School of Pharmacy
44	Sk Riazul	Pharmacist	Apollo Pharmacy	School of Pharmacy
45	Solaman Sk	Pharmacist	Apollo Pharmacy	School of Pharmacy
46	Souvik Roy	Marketing Executive	Sun Pharma	School of Pharmacy
47	Soyeb Sekh	Pharmacist	Apollo Pharmacy	School of Pharmacy
48	Subhadeep Parua	Production Chemist	Paschim Banga Pharmaceuticals	School of Pharmacy

49	Sudip Mukherjee	Quality Control Chemist	Lupin Ltd.	School of Pharmacy
50	Sudip Samanta	Quality Control Chemist	Torrent Pharmaceutical	School of Pharmacy
51	Sukanta Mondal	Pharmacist	Apollo Pharmacy	School of Pharmacy
52	Sumit Kumar Mondal	Quality Control Chemist	Lupin Ltd.	School of Pharmacy
53	Suvodip Mukherjee	Marketing Executive	Medimune Pharmaceuticals	School of Pharmacy
54	Tousif Mollah	Pharmacist	Med Plus	School of Pharmacy
55	Kh Md Sukural Hamja	Pharmacist	Apollo Pharmacy	School of Pharmacy
56	Subhodip Ghosh	Production Chemist	Paschim Banga Pharmaceuticals	School of Pharmacy
57	Arup Prosad Mondal	Pharmacist	Med Plus	School of Pharmacy
58	Debmalya Maji	Production Chemist	Mendine Pharmaceuticals Pvt Ltd	School of Pharmacy
59	Debkanta Das	Pharmacovigilance	Cognizant	School of Pharmacy
60	Sumit Mitra	Marketing Executive	Nord Healthcare.	School of Pharmacy
61	Rajendranath Bauri	Pharmacist	Med Plus	School of Pharmacy
62	Rajdeep Roy	Marketing Executive	Diamond Drugs	School of Pharmacy
63	Md.Mahir Hosssian	Pharmacovigilance	Cognizant	School of Pharmacy
64	Subhajit Gayen	Technical Assistant	Torrent Pharmaceutical	School of Pharmacy
65	Krishnendu Sarkar	Quality Assurance Chemist	Macleods Pharmaceuticals Ltd.	School of Pharmacy
66	Asif Ahmed	Production Officer	Alkem Laboratories	School of Pharmacy
67	Kazi Fahim Islam	Data analyst	Tata Consultancy Services (TCS).	School of Engineering
68	Akshay Chatterjee	Data analyst	Integra Micro System	School of Engineering
69	Anita Thakur	Dietitian	I Q City Hospital	School of BioSciences
70	Sampurna Sengupta	Teacher	Divine Mercy School	School of BioSciences

71	Aritri Pal	Office Assistant	Seacom Skills University	School of BioSciences
72	Sampreetta Saha	Teacher	Sarada Educare School, Kasba, Kolkata	School of BioSciences
73	Rajesh Sarkar	Multi-Tasking Staff	Gr. D. Agartala	School of BioSciences
74	Riju Bera	Clinical Cardiac Perfusionist	R.N. Tagore, Institution of Cardiac Science, Mukundapur	School of BioSciences
75	Debolina Dutta Chowdhury	Chemist	BDS Chemical Industries	School of BioSciences
76	Amanot Choudhury	Teacher	Rahmat E Alam Mission Education center in Kaukepara	School of BioSciences
77	Goutam Das	Fish Technician	Blue Wait Pvt. Ltd.	School of BioSciences
78	Nirmal Giri	Fish Technician	Deepak Nexgen	School of BioSciences
79	Saibal Pradhan	Fish Technician	Exceller Pvt. Ltd.	School of BioSciences
80	Kanu Krishna Das	Fish Technician	New Hope Pvt. Ltd.	School of BioSciences





# Infrastructure Development



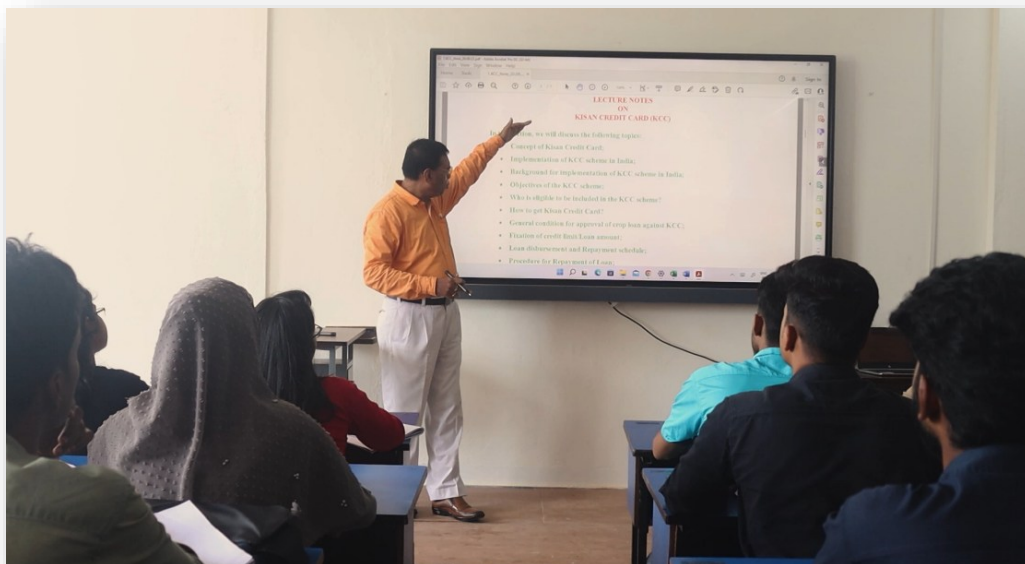
## 7. Infrastructure Development

The academic year 2023–24 marked a significant phase of infrastructural advancement at Seacom Skills University, reflecting the institution’s commitment to delivering a dynamic and enabling environment for academic excellence, skill development, and holistic student growth. With the goal of aligning with national educational priorities and modern learning standards, the university invested strategically in both physical and digital infrastructure across its campus.

### 7.1. Digital Infrastructure and Smart Learning

Digital transformation remained a key priority in 2023–24. The university undertook significant initiatives to create a **digitally-enabled learning ecosystem**:

- Introduction of **Smart Classrooms** equipped with interactive boards, projectors, and high-speed internet connectivity.



- **Campus-wide Wi-Fi zones** were expanded, allowing seamless digital access for students and faculty across academic blocks and common areas.

### 7.2. Academic Infrastructure Expansion

Seacom Skills University has significantly expanded its academic infrastructure during the academic year 2023–24 to enhance practical training, research, and hands-on learning in alignment with its vision as a skill-based university.

## 7.2.1. Commissioning of New Laboratories

### a) School of Pharmacy

Several state-of-the-art instruments have been installed in newly established and upgraded laboratories, enabling advanced pharmaceutical education and research. Key instruments include:

- **HPLC System – Labtronics** (₹9,05,000)
- **UV-Vis Spectrophotometer** (₹2,45,912)
- **Six-Chamber Dissolution Apparatus** (₹2,27,150)
- **Rotary Evaporator, Tablet Punching Machine, Digital Balances, Colorimeter, BOD Incubator, Tablet Coating Pan, and Flame Photometer**



These facilities support cutting-edge pharmaceutical analysis and industrial training for both undergraduate and postgraduate students.

### b) School of Agriculture

New laboratories were established and upgraded across various departments:

- **Soil Science:** EC Meters, pH Meters, Spectrophotometers, Distillation Units, Block Digestor, and Centrifuge Machines
- **Agronomy:** Digital Rotary Shaker, Weighing Balances, pH Meters, Flame Photometers, and Water Baths



- **Plant Pathology and Entomology:** Laminar Air Flows, BOD Incubators, Binocular Microscopes, Deep Freezer, Autoclaves, Stereo Microscopes, and Insect Light Traps
- **Plant Physiology & Biochemistry:** Gel Apparatus, Vortex Mixers, Water Bath, Seed Germinator, Visible Spectrophotometer
- **Horticulture and Genetics:** Grain Moisture Meter, Seed Purity Boards, TLC Chamber, Gravy Machines, and Chromatography Chambers
- **Agricultural Extension laboratory-** Cyber extension laboratory

These laboratories offer hands-on experience in crop analysis, plant breeding, agri-biotechnology, pest management, and sustainable farming technologies.

### c) School of Bio Sciences

The department procured sophisticated instruments including:

- **BOD Incubators, Centrifuge Machines, Microtomes, Magnetic Stirrers, Muffle Furnace, Auto-calibration pH Meters, Hot Air Ovens, and Haemocytometers**

These instruments support medical lab technology, clinical biochemistry, and molecular biology research.

## 7.3. Special Infrastructure Projects

### 7.3.1. Establishment of Meteorological Station

To strengthen research, training, and real-time environmental monitoring, Seacom Skills University has established a Meteorological Station on campus. This initiative supports advanced learning and data collection in the fields of agriculture, geography, environmental studies.

#### Key Objectives:

- Collect accurate and localized weather data including temperature, humidity, rainfall, wind speed/direction, and atmospheric pressure
- Provide real-time climate insights for field-based agricultural research and crop planning
- Facilitate student and faculty research on weather patterns, microclimates, and climate change impacts
- Support early warning systems and climate-resilient agricultural practices



- Integrated into the curriculum of Agronomy, Soil Science, Environmental Science, and Geography

### 7.3.2. Establishment of Fin Fish Hatchery under PMMSY and BMY

A **Fin Fish Hatchery** was established at Seacom Skills University, Bolpur campus, under the **Pradhan Mantri Matsya Sampada Yojana (PMMSY)** in conjunction with the **Bangla Matsya Yojana (BMY)**. With a **total project cost of ₹25,00,000**, this facility is dedicated to promoting sustainable fish farming practices and boosting high-quality fish seed production in the region.



Key features:

- Modern hatchery design with scientific breeding tanks and incubation units
- Facilities to breed high-value **fin fish species**
- Training center for **aquaculture skill development**
- Hands-on exposure for students in **fish breeding, hatchery management, and water quality control**

### 7.3.3. Establishment of Polyhouse Facility under National Horticulture Mission

A **state-of-the-art Polyhouse Facility** has been constructed under the **National Horticulture Mission (NHM)** of the **National Horticulture Board (NHB)**, **Government of India**, with a **budget outlay of ₹25,00,000**.

Key features:

- Tubular steel structure covering **1000 square meters**
- Climate-controlled environment for **high-value horticultural crop cultivation**
- Integrated drip irrigation and fertigation systems
- Demonstration of off-season and protected cultivation techniques



#### 7.3.4. Establishment of the Three-Storey Director Building

A newly constructed **three-floor Director Building** was inaugurated in 2023–24 to accommodate the growing administrative and academic leadership needs of the university. This facility includes:

- **Ground Floor:** office of the Incharge students welfare, Office of the Training and placement officer
- **First Floor:** Offices of Directors and Pro Vice-Chancellors
- **Second Floor:** Offices of Directors



#### 7.4. Future Goals

In the upcoming academic session (2024–25), the university aims to:

- Construct a **Research and Development Block**
- Build a **Multipurpose Sports Complex and Student Activity Centre**
- Expand **incubation space** under the Institution Innovation Council (IIC)
- ERP System Integration
- Strengthening of the **Learning Management System (LMS)** to support hybrid teaching, digital assignments, online assessments, and blended course delivery.



# Celebrations and Special Events



## 8. Celebrations and Special Events

This chapter highlights the various academic, cultural, national, and international events, observances, and celebrations organized by Seacom Skills University during the academic year 2023–24. These events reflect the vibrant campus life, encourage student engagement beyond classrooms, and uphold the values of national pride, diversity, inclusiveness, and holistic development.

### 8.1. National and Patriotic Celebrations

#### 8.1.1. Independence Day (15th August 2023):

Seacom Skills University celebrated the 77th Independence Day of India with patriotic fervor and deep reverence on 15th August 2023. The celebration commenced with a solemn and dignified **flag-hoisting ceremony**, where the National Flag was unfurled by the **Hon’ble Vice-Chancellor, Prof. (Dr.) Prabir Mukhopadhyay**, in the presence of faculty members, non-teaching staff, and students.



#### 8.1.2. Mahatma Gandhi Jayanti Celebration and Swachh Bharat Abhiyan (Date: 1st October 2023)

In commemoration of the birth anniversary of **Mahatma Gandhi**, Seacom Skills University organized a special program on **1st October 2023**, a day prior to the official date, to honour the Father of the Nation and promote the values of cleanliness, self-reliance, and civic responsibility.

The celebration began with a floral tribute to Mahatma Gandhi’s portrait, followed by a brief cultural segment including **patriotic songs, readings of Gandhi’s teachings**, and a speech by university faculty members emphasizing **Gandhian principles of non-violence, truth, and sanitation** as a way of life.

In alignment with the Government of India’s directive under the **Ministry of Education**, the event was followed by a “**Swachh Bharat Abhiyan**” **campus cleaning program**. Students, teaching staff, and non-teaching personnel actively participated in a collective effort to clean various areas of the university campus.



This activity not only reinforced the values of cleanliness but also fostered a sense of community and shared responsibility.

The event served as a powerful reminder of Gandhiji’s message: *"Sanitation is more important than independence."* The University remains committed to contributing to the national vision of a **cleaner and healthier India**.

### 8.1.3. Republic Day (26th January 2024):

Seacom Skills University observed the **75th Republic Day of India** with patriotic zeal and solemnity on **26th January 2024**. The event commenced with the ceremonial **hoisting of the National Flag** by the **Hon’ble Vice-Chancellor, Prof. (Dr.) Prabir Mukhopadhyay**, in the presence of students, faculty members, administrative staff, and dignitaries.

## 8.2. Academic and Intellectual Events

### Convocation Ceremony (18th November 2023)

The **First Convocation Ceremony** of Seacom Skills University was held on **18th November 2023**, marking a historic milestone in the institution’s journey. The occasion was celebrated with dignity, grandeur, and pride, reflecting the university’s academic excellence, values, and commitment to nation-building. The event commenced with a ceremonial academic procession followed by the **National Anthem**.

The ceremony was **presided over by the Hon’ble Chancellor, Mrs. Sumita Chakraborty**, in the gracious presence of **Mr. Anish Chakraborty, Chairman, Seacom Group**. The event was attended by **Dr. Asish Banerjee, Deputy Speaker, West Bengal Legislative Assembly**, as the **Special Guest**, along with **Chief Guest Fr. Bikash**

**Mondal**, Principal, Don Bosco School, and **Guest of Honour Mr. Tridib Kumar Chattopadhyay**, President of the Publishers & Booksellers Guild.

The **Vice-Chancellor, Prof. (Dr.) Prabir Mukhopadhyay**, delivered the Convocation Address, highlighting the university's achievements in academics, research, skill development, and international collaboration.

A total of **1,713 degrees** were conferred, including **956 undergraduate**, **658 postgraduate**, and **99 Ph.D.** recipients.



### 8.2.1. Tenth Year Celebration of Seacom Skills University

**Date: 11th April 2024**

Seacom Skills University, the **only private university in Birbhum district** and the **sole Skills University in West Bengal**, proudly stepped into its **tenth year of establishment** on **11th April 2024**. From humble beginnings, the university has grown from a budding institution into a flourishing academic tree, now serving as a beacon of higher education not only for the state but for the entire nation.

Over the past decade, Seacom Skills University has achieved several significant milestones:

- A student strength of over **5,000**, with **91% placement success**.
- A team of **250+ experienced faculty members**, contributing to the success of **80 academic programs**.

- Over **2,500 students awarded scholarships** and more than **600 students** benefitting from **student credit card facilities**.
- A well-equipped campus featuring **hostel facilities** and **10+ smart classrooms**.
- An active **Institution Innovation Council (IIC)** that has supported numerous student-led startups and entrepreneurship initiatives.

Since its founding in **2014**, the university has earned numerous **prestigious awards and recognitions**, standing today as a symbol of excellence in skill-integrated education.

As part of the celebration, a special **ceremonial event** was organized at **2:00 PM** on the university campus, where a "**Tableau**" was unveiled and flagged off by the **Hon'ble Vice-Chancellor, Prof. (Dr.) Prabir Mukhopadhyay**. The event began with the **hoisting of the university flag**, followed by the tableau's launch, which is set to travel across different parts of the district, symbolizing the growth and outreach of the university.

The celebration was graced by the presence of key university dignitaries including:

- **Dr. Deb Kumar Panja**, Pro Vice-Chancellor (Academics)
- **Prof. (Dr.) Ashok Kumar Ghosh**, Pro Vice-Chancellor
- **Dr. Nirmalya Ghosh**, Registrar

The tableau, representing the rich journey and contributions of Seacom Skills University, aims to inspire and engage the wider community in its vision of education through skill development.



### 8.3. International & National Days Observed:

- ✳ **National Science Day (28th February 2024):** Science exhibition and quiz competitions conducted by the School of Science.
- ✳ **World Environment Day (5th June 2023):** Plantation drives, awareness rallies, and poster competitions were held.
- ✳ **World Entrepreneurship Day 2023 and Inauguration of Entrepreneurship Cell (E-Cell)**

**Date:** 21st August 2023

**Venue:** Auditorium, Seacom Skills University

Seacom Skills University celebrated **World Entrepreneurship Day 2023** on **21st August 2023** with great enthusiasm and academic spirit. On this occasion, the university formally **inaugurated its Entrepreneurship Cell (E-Cell)** under the guidance of the **Institution Innovation Council (IIC)**, a key initiative to promote innovation, start-ups, and entrepreneurial mindsets among students.

The E-Cell was **inaugurated by the Hon'ble Vice-Chancellor, Prof. (Dr.) Prabir Mukhopadhyay**, who emphasized the importance of entrepreneurial education in empowering youth and fostering self-reliance.

The event was graced by:

- **Guest of Honour:** *Sri Soumen Datta*, General Manager, District Industries Centre (DIC), Birbhum
- **Guest Speaker:** *Dr. Anandi Chakraborty*, UNESCO Fellow and HOD, Guru Nanak Institute of Pharmaceutical Science and Technology, Kolkata



### 9.3 Sports and Recreational Activities

#### 8.3.1. National Sports Day Celebration August 29, 2023

In India celebrate National sports Day on the Birth anniversary of Major Dhyan Chand. India first time celebrated National Sports Day in the year of 2012. This year our university started to celebrate National Sports Day. On the occasion of National Sports Day celebration the University has also inaugurate ‘Talent Hunt Competition 2023-24’. The main aim of this program is to grow the interest in sports of University students as well as to develop their Physical and mental health and also identify the talented players and support them to contribute at the higher level of sports performance through Inter University participation in various sports disciplines.



#### 8.3.2. P.N Chakaraborty Memorial Trophy 2023

In memory of Sri P.N. Chakraborty, Co-Founder of the University a friendly Football Match was organized between Faculties and Students on 1<sup>st</sup> November 2023. This Thanks Giving Day was observed and enjoyed by the Students, Faculties and other members present in the playground.



### 8.3.3. Fit India Week Celebration 2023

The Fit India Week was organized from December 1<sup>st</sup> to 6<sup>th</sup> 2024, emphasizing the importance of Fitness. During this week various events namely Badminton, Yoga, Calisthenics Exercise and Cross Country was organized in the University Campus.



### 8.3.4. Celebration of International Yoga Day 2024

The day 21<sup>st</sup> June is celebrated for the International day of Yoga around the world. SSU also celebrated this year International Day of Yoga. Our students, faculties along with the university officials have actively participated in this occasion. External experts have guided us to celebrate the occasion effectively. Around 100 people of the university were participated in the event.



## 8.4. Sports Events

### 8.4.1. Talent Hunt Competition Football:

Objective of this Talent Hunt Football Competition was to select probable footballer for the University Football Team. There were five teams for the competition. As many as 80 students participated in the Tournament with lots of enthusiasm. This Tournament conducted during October 9th to 16th, 2023.



### 8.4.2. Talent Hunt Competition –Badminton (Men & Women)

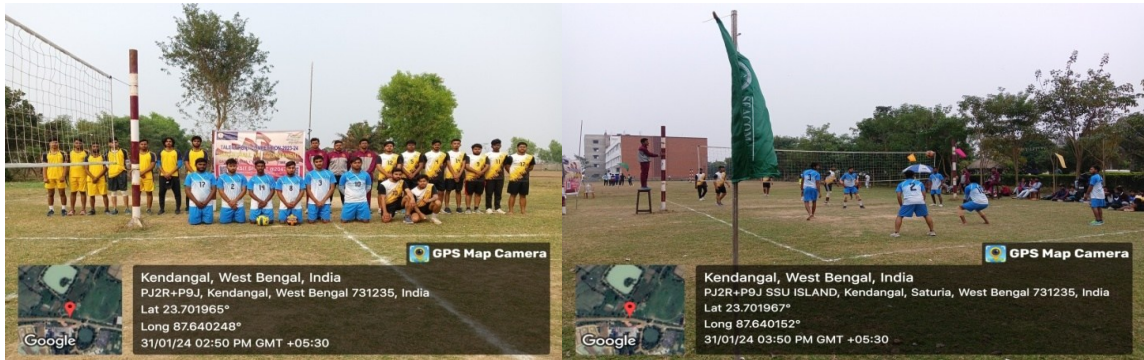
Talent Hunt Badminton Completion was organized during November 27th to December 1<sup>st</sup> 2023 at University Play Ground. Both Boys and Girls Individual as well as Doubles matches were played. There were noticeable encouragements for all the matches from the University Officials and Teaching & Non-Teaching staff members. Thirty students were participated in the Competition.



### 8.4.3. Talent Hunt Competition- Volleyball (Men)

For the preparation of a strong University Volleyball (Men) team Talent Hunt Completion was organized during January 31<sup>st</sup> to February 1<sup>st</sup> 2024. As many as 25

students participated in the Tournament. All the matches were highly competitive and cheered by the Students and University Officials.



#### 8.4.4. SSU Staff Cricket Tournament 2024:

SSU Staff Cricket Tournament was organized in the University Play Ground. Final Match was played on February 13<sup>th</sup>, 2024. Honorable Vice Chancellor awarded Winner and Runners Trophies to the Winning and Runners team respectively.



#### 8.4.5. SSU Cricket Premier League 2024:

This year SSU Premier Cricket League has been introduced on April 17<sup>th</sup> 2024. Eighty students shown their interest and played in the League for their respective teams. There were four teams took part in the competition and finally winner was SSU Daredevils team and SSU Super Giants team won runners up Trophy.



### 8.5. Awards & Achievements in Sports:

- ★ Participation in the National University Games 2023-24: Seacom Skills University Cricket-Mens Team was participated first time in the National University Games.



- ★ Seacom Skills University has been successfully organized Fit India Week celebration as per UGC circular.



## 8.6. Community Outreach and Social Engagement

### 8.6.1. WORLD BLOOD DONORS DAY: 13/04/2024

The School of Paramedical and Allied Health Sciences at Seacom Skills University celebrated **World Blood Donor's Day on 13th April 2024** with great enthusiasm. The event was graced by the **Hon'ble Vice Chancellor** sir, the **Pro-Vice Chancellor (Academics)** sir, and the **Pro-Vice Chancellor** sir of the university. The chief guest of the program was **Dr. Saiqa Nisar**, Consultant Pathologist at Metropolis Healthcare Pvt. Ltd., Suri, Birbhum. She delivered an informative seminar on “Thalassemia: An Overview”, which was highly appreciated by the attendees.



### FREE HEALTH CHECKUP CAMP ON KRISHI MELA:

A free health checkup camp was jointly organized by the School of Paramedical and Allied Health Sciences and the School of Pharmacy at Seacom Skills University during the Krishi Mela (December 22-24, 2023). The camp provided essential health services to students, faculty, staff, and the local community, promoting health awareness and community engagement.



## 8.7. Religious Events

### 8.7.1. Biswakarma Puja Celebration (18th September 2023)

Seacom Skills University celebrated **Biswakarma Puja** on **18th September 2023** with devotion and traditional enthusiasm. The celebration honoured **Lord Biswakarma**, the divine architect and deity of engineering, architecture, and craftsmanship — a symbol of skill, precision, and innovation, aligning closely with the university’s vision of skill-based education.



### 8.7.2. Saraswati Puja Celebration (14th February 2024)

On **14th February 2024**, Seacom Skills University observed **Saraswati Puja**, the auspicious occasion dedicated to **Goddess Saraswati**, the embodiment of knowledge, wisdom, learning, and the arts. The entire campus was adorned with traditional decorations, vibrant rangolis, and floral arrangements, creating a serene and devotional atmosphere.



## 8.8. Cultural Festivals

### 8.8.1. Basanta Utsav (25th March 2024)

Seacom Skills University celebrated **Basanta Utsav**, the festival of colors and spring, on **25th March 2024** with great cultural enthusiasm and student participation. Inspired by **Rabindranath Tagore’s Shantiniketan tradition**, the event symbolized the vibrant arrival of spring and the spirit of unity, joy, and creativity.

Dry colors were playfully exchanged among students and teachers in a harmonious and eco-friendly manner, promoting friendship and inclusiveness across all communities.



### 8.8.2. Rabindra Jayanti (8th May 2024)

Seacom Skills University celebrated **Rabindra Jayanti** on **8th May 2024** to commemorate the birth anniversary of **Kabiguru Rabindranath Tagore**, the great poet, philosopher, composer, and Nobel laureate. The event was a tribute to Tagore’s profound contribution to literature, music, education, and Indian culture.

Organized by the cultural committee of the university, the celebration featured **recitations, Rabindra Sangeet, dance dramas, and poetry readings** performed by students, faculty, and staff. The stage was beautifully decorated in a traditional Bengali style, evoking the spirit of Shantiniketan and Tagore’s vision of holistic education.



### 8.8.3. Teachers' Day Celebration (5th September 2023)

Seacom Skills University celebrated **Teachers' Day** on **5th September 2023** to honour the birth anniversary of **Dr. Sarvepalli Radhakrishnan**, India's former President, philosopher, and a legendary educator. The event served as a heartfelt tribute to the dedication, mentorship, and inspiration of the teaching community.

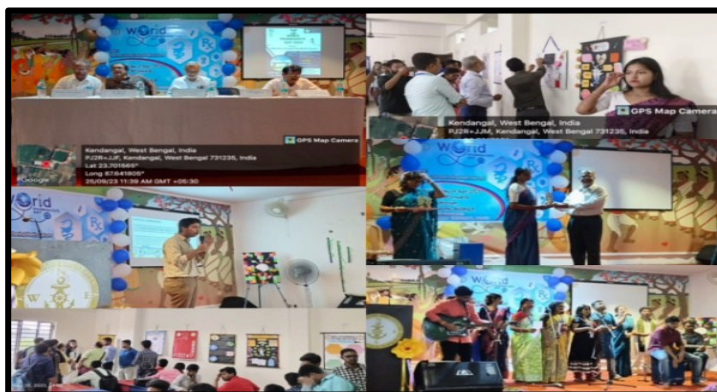
Organized by the students across various departments, the celebration included **cultural performances, speeches, and felicitation of faculty members.**

Students expressed their gratitude through poetry, music, and dance, acknowledging the vital role teachers play in shaping lives and futures.



### 8.8.4. World Pharmacists Day 2023 (25 Sep 2023)

School of Pharmacy celebrated World Pharmacists Day 2023 on 25 September, 2023. The Programme was organised by SOP in association with IPA Bengal Branch where Dr.Himadri Ari, CMOH, Suri, Birbhum was the Chief Guest and the Special guest was Mr.Biswajit Mukherjee, Assistant Director of Drug Control, Birbhum district. and the celebration continued following the theme “Pharmacy Strengthening Health Systems”. The Programme was divided in Some important speeches from respected dignitaries and guests, some scientific Presentations and cultural performances.



### 8.8.5. 62nd National Pharmacy Week 2023 (21, 22, 23 & 24 Nov 2023)

- **1<sup>st</sup> Day(21 Nov)** - School of Pharmacy in association with IPA Bengal Branch, celebrated 62nd NPW 2023. The 1st day of program was started with an Awareness Rally from Bolpur High School to Gitanjali Cinema Hall road. Another session was

done with displaying scientific and innovative handmade poster presentation by students.



- 2<sup>nd</sup> Day(22 Nov)** - On the 2nd day a Workshop on “Entrepreneurship & Innovation as Career Opportunity” [Title: “Landscape and Nurturing Entrepreneurship in Pharma Sector”], was presented by Mr. Suman Ghosh (Chief regulatory officer Pharma Impex Laboratories Pvt. Ltd. Founder director:- Mapasu e-learning pharma guide services & Former director quality operation and regulatory affairs:- Bharat Biotech Hyderabad). The celebration followed by the inauguration of Wall Magazine of SOP (UBUNTU) & Art, Craft and Rangoli Competition where many students took part.



- 3<sup>rd</sup> Day(23 Nov)** - An Awareness programme on “Save the girl child and Prevention of early marriage” was organised where the Chief Guest was Dr. Himadri Ari, CMOH Birbhum followed by some quality performances by school students and students of SOP where some Dramas & Dance Dramas took place. On the 2nd Half one Quiz Competition was also organised.

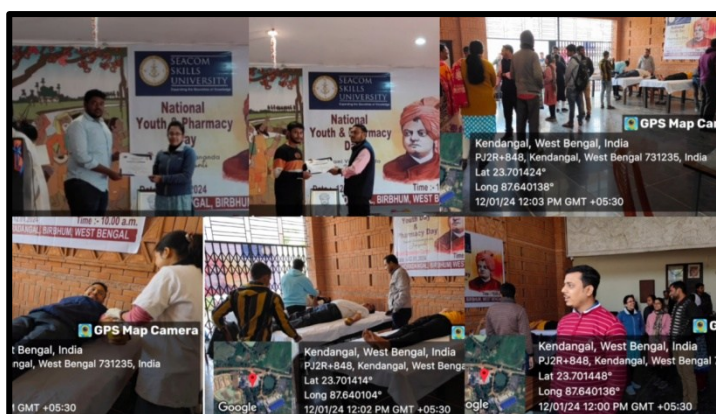


- **4<sup>th</sup> Day(24 Nov) - Last Day** celebration was all about Cultural Programme where students on SOP and also from different departments of SSU participated & Certificate distribution was done for the winners and participants in the previous competitions.



### 8.8.6. National Pharmacy Day 2024 (12 Jan, 2024)

National Pharmacy Day 2024 was organised by School of Pharmacy on 12 January where a Blood Donation camp was successfully arranged and total 52 blood donors came forward to make a difference and save lives. Their contribution was appreciated with certificate and the donor card.



### 8.8.7. Nostos 2024 (24 Feb 2024)

First departmental reunion “Nostos” was organised by SOP on 24 February 2024 where the major goal was to recapitulation of old memories of pass out batches of B. Pharm & D.Pharm as well as the formation of the “Alumni Association”. The reunion was celebrated with plenty of cultural programme and speeches of senior faculties and ex-students.



### 8.8.8. National Pharmacy Education Day 2024 (6 Mar 2024)

On 6 March 2024 National Pharmacy Education Day was celebrated the 122th birth anniversary of Professor Mahadeva Lal Schroff, who is known as the "Father of Indian Pharmacy". The Programme was organised by School of Pharmacy in association with IPA Bengal Branch, the theme was “Leveraging Synergism Industry”- Academia Partnership for Implementation of National Education Policy. The guest speaker was Dr. Amal Kumar Dhara, HOD(Pharmacy), Contai Polytechnic, he was former production head M/S Dey’s Medical Store Manufacturing (UP) Ltd. and executive council member of Indian Pharmaceutical Association.



### 8.8.9. SSU Innovation Week 2024 (School of Pharmacy & IIC) (28 Feb 2024)

In the SSU Innovation Week 2024 28 February’s Session was organised by School of Pharmacy in collaboration with Institution’s Innovation Council which was mainly based on Impact lecture and internal hackathons. The Impact lecture was about “Innovation in

Pharmaceutical Small Scale” which was delivered by Dr. Partha Banik and then the idea presentations by students were took place.



#### 8.8.10. Seminar on Mental Health & Mental Illness (24 June 2024)

On 24 June 2024 , School of Pharmacy organized a seminar on “Targeted Intervention on Awareness of Mental Health & Mental Illness” where the resource persons were Clinical psychologists Miss Anamika Mitra & Miss Sukanya Ghosh. After the seminar there was a mental health check up camp where so many people interacted with clinical psychologists individually.





# Quality Assurance and Future Plans



## 9. Quality Assurance and Future Plans

The Internal Quality Assurance Cell (IQAC) was formed as per SSU Statute, 2018, dated 27/08/2022. It was first amended on 8<sup>th</sup> June, 2023, and was again reconstituted on 14<sup>th</sup> March, 2024.

### 9.1. Internal Quality Assurance Cell (IQAC) Initiatives

- The composition of IQAC as on 31.07.2024
  1. Hon'ble Vice-Chancellor Prof. (Dr.) Prabir Mukhopadhyay – Chairperson
  2. Pro-VC (Academics) Prof. (Dr.) D. K. Panja – Vice-Chairperson
  3. Pro-VC Prof. (Dr.) A. K. Ghosh
  4. Registrar Dr. Nirmalya Ghosh
  5. Prof. (Dr.) D. D. Patra
  6. Finance Officer Mr. H. B. Behera
  7. Dean Doctoral Studies and Academic Coordinator Dr. Pranabesh Ghosh
  8. Dr. Amit Shankar Saha – Coordinator
  9. Dr. Dibyendu Pal
  10. Mr. Shantanu Halder
  11. Mr. Souradeep Chatterjee
  12. Mr. Arindam Chakraborty
  13. Ms. Sweta Ghosh
  14. One nominee each from Local Society/ Alumni/ Students
  15. One nominee each from Employers/ Industrialists/ Stakeholders
  16. One nominee from Management (Chancellor's nominee)
- Major quality initiatives undertaken in 2023–24:
  - IQAC members attended six workshops on IQAC processes including those on NAAC and NIRF.
  - IQAC registered Seacom Skills University in the NAAC portal.
  - IQAC encouraged the use of ICT tools and blended learning methods.

### 9.2. Preparation for NAAC Accreditation

- The IQAC has registered Seacom Skills University in the NAAC portal.
- IQAC initiated the formation of sub-committees of 3-4 faculty members for each of the 7 criteria of NAAC to expedite the work.
- Dr. Santanu Majumdar has been given responsibility to look after the IRINS related to Vidwan profile creation of faculties and scholars for consolidation of research publications and metric calculation by UGC Infilibnet.
- Seacom Skills University was endeavouring to submit the SSR by the end on 2024 but in January NAAC notified the upcoming Binary System of

accreditation and in its notification of 29<sup>th</sup> June, 2024, stopped accepting IQA application post 30<sup>th</sup> June, 2024.

- IQAC has encouraged its members to get acquainted with the recommendations of Radhakrishnan Commission for the new Binary accreditation system that is expected to come up in about a year's time.

### **9.3. Outcome-Based Education (OBE) and Academic Reforms**

- Seacom Skills University has implemented the **Choice-Based Credit System (CBCS) for all its UGC programmes since 2018.**
- Since 2023 there has been integration of **NEP 2020** recommendations in most UG programmes under UGC:
  - Multidisciplinary programs
  - Academic Bank of Credits (ABC)
  - Multiple entry and exit options
  - Four-year UG programs (FYUGP)
- In the new academic session of 2024-25 NEP 2020 will be adopted for all UG and PG programmes under UGC.

### **9.4. Future Strategic Plans**

A roadmap for institutional growth in the next 3–5 years, focusing on:

#### **9.4.1. International Collaborations:**

- Seacom Skills University has already signed MOUs with many foreign institutions like George Mason University, Fayetteville State University, Near East University and Asia University amongst others.
- The University aims to increase more such collaborations especially with regard to joint research and exchange programs.

#### **9.4.2. Industry-Institute Partnerships:**

- Seacom Skills University has collaborated with NSDC, BOPTER and NTTTR.
- The aim is to launch of more industry-integrated and skill-based programs and setting up of industry advisory boards.

#### **9.4.3. Research Culture Enhancement:**

- Seacom Skills University encourages faculty to do research.
- Faculties are encouraged to create their Vidwan profiles.

#### **9.4.4. Infrastructure Development:**

- Smart classrooms, digital library, and green campus are some of the ongoing initiatives of Seacom Skills University.

#### **9.4.5. NAAC and NIRF Rankings:**

- Efforts to secure NAAC accreditation within a year of the new Binary System launch.
- To earmark schools for participation in **NIRF rankings** to benchmark performance.

### **9.5. Commitment to Continuous Improvement**

Seacom Skills University is committed to enhancement of quality education by introducing new courses in keeping with the demands of the industry and the global scenario, by increasing faculty strength and focusing on research, and by serving the community for sustainable development. Seacom Skills University is committed to continuous improvement and adhering to its motto of **expanding the boundaries of knowledge**.