

## 12. University Profile



Sonargaon University (SU) was established in 2012 with an explicit objective to ensure enhanced accessibility of the student's low income families and provide high quality education comparable to international standard. It has currently about 7500 students with heavy density in mechanical engineering department, followed by civil and computer science engineering.

This University has twelve departments in its three faculties, namely, Faculty of Science and Engineering, Faculty of Business Administration and Faculty of Arts & Humanities. It has 161 Full time and 102-part time faculties to carry on the teaching and research responsibilities. The discussion and pictorial presentation in the pages that follow shall reveal some of the activities of each department.

# Faculty of Science and Engineering

## Department of Civil Engineering

Established in 2012, the Department of Civil Engineering is one of the oldest and largest department of SU. Its goals are to produce outstanding civil engineering with advanced skills and knowledge for professional practice. The department is committed to provide a dynamic learning environment that emphasizes open-ended design, problem-solving skills, team-work, communication, motivated and leadership skills. SU has recruited a large number of highly qualified, motivated, scholarly, knowledgeable and dedicated faculty members who have studied in most prestigious and competitive universities of home and abroad. Some worth citing features are:



Parliamentary Debate and Extempore  
Speech Competition



Industrial Visit to Akij Cement  
Manufacturing Plant

- \* Large classrooms and well equipped laboratories with latest tools and equipment.
- \* Regular visits to industrial plant and various high tech construction sites.
- \* Arranges seminars, workshops etc every semester.
- \* Extra-curricular activities through various clubs e.g.

Debating Club, Language Club, Sports Club, and career Club, Students of the department performed very well in computer aided design (CAD) master category of centric -2018 organized by BUET and achieved first runner-up.



Achieved 2nd position in CAD Master of Eccentric 2018 Held at BUET

## Department of Mechanical Engineering

Established in 2012, Mechanical Engineering Department is the oldest and largest disciplines of study at Sonargaon University. The Department has been one of its most prestigious departments. Its four-year under graduate program is highly renowned and enriched with 33 full time, 11 adjuncts and 56 part-time teachers who are highly qualified, efficient, graduated and post-graduated from top class public universities of home and abroad.

It provides international standard education with proper combination of theory and practical courses and is equipped with world class lab facilities such as:



- Manufacturing Lab
- Internal Combustion Engine Lab
- Applied Mechanics Lab
- Fluid Mechanics Lab
- Computer Lab
- CFD Lab
- Heat and Applied Thermodynamics Lab
- English Language Lab
- Engineering Drawing Lab
- Material Testing Lab
- Instrumentation and Measurement Lab

Mechanical Engineering Department reputation for excellence is reflected in a range of recent independent assessments and rankings, research outcomes, and staff and student achievements. Department has always encouraged extracurricular activities to improve students' academic and professional skills. To enhance and support those activities there are Design and Analysis Club, Programming Club, Simulation Club and Career Club. As a result, recently one of the students has achieved 2<sup>nd</sup> place in Ignition 1.0 2018 arranged by KUET and in CAD contest of Deceleration 2019 arranged by IUT. It often arranges seminars and workshops for students to motivate, energize and learn new topics. The department highly appreciates socio-cultural activities in parallel with academic pursuits.

The department of Mechanical Engineering always believes in the spirit of Liberation War and Humanity. The aim of the Department is to prepare the students as world class Mechanical Engineers so that they can meet both national and international market demands.



## Department of Computer Science and Engineering

Computer Science and Engineering (CSE) department at Sonargaon University (SU) commenced its journey in 2012 cherishing a great vision to become state-of-art knowledge sharing and research center to produce skilled computer professionals to meet the growing needs of the society. Its mission is to prepare graduates for overcoming the obstacles through proper utilization of computer engineering knowledge and technical know-how. Keeping this in mind, the CSE syllabus has been prepared at per with the curricula of reputed and best known universities of home and abroad. Noteworthy features to mention are:

- A large number of qualified and committed faculties
- International standard course curriculum
- State-of-the art computer laboratory
- Enriched library
- Curricular and co-curricular activities
- Instil ethical values and social responsibilities

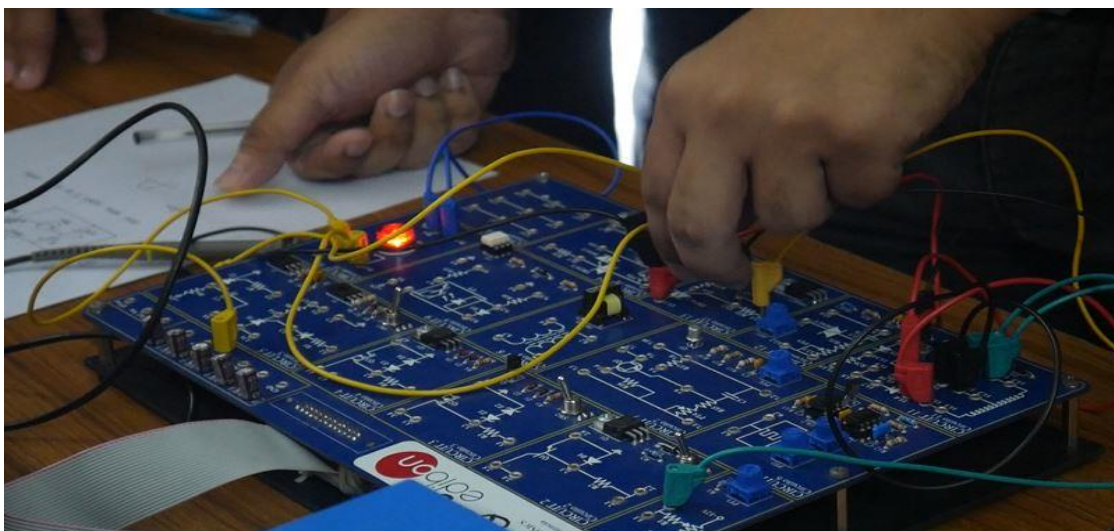
A successful CSE graduate can choose his professional field to become a computer scientist, software engineer, computer programmer, network engineer, database administrator, IT consultant, research analyst, system and security administrator and many more.



## Department of Electrical and Electronic Engineering (EEE)

Established in 2013, department of EEE is one of the major departments in Sonargaon University (SU). Its vision is to provide the best opportunities to the students for achieving quality education to enable them to contribute to society's welfare. Its specific objectives are:

- To impart quality education, training and research activities in various areas of Electrical, Electronics and Communication Engineering with broad emphasis on design aspects of power and electronic systems.
- To meet the increasing demand of the 21st century, the curriculum is regularly updated to prepare the graduates with the skills required in the growing industry of power and digital communication sectors.
- The department is currently under the process of acquiring IEB accreditation and going to open the IEEE student chapter.



Department has competent and skilled faculty members who have expertise in different fields of electrical & electronic engineering ranging from Power Systems, Electronics to VLSI technology. It provides laboratory facilities well-equipped with modern tools and training kits. The department regularly arranges workshops, seminars and project showcasing to encourage the students for extra curricular activities and prepare for the competitive job in the application fields of industry and related organization.



## Department of Textile Engineering

Department of Textile at SU was established in 2014 in response to the growing needs of the textile sector in Bangladesh with the following specific objectives:

- Produce quality and skilled engineers and technologists capable of serving textile industries in production, testing & quality control, R&D and other related fields.
- Promote technology development and innovation in Textile &RMG industry.
- Create textile leaders for solving problems in textiles & apparel industry in Bangladesh.
- Undertake research activities etc.

Commensurate with teaching loads, department has now 27 faculties to run the following programs:

- Yarn Manufacturing
- Fabric Manufacturing
- Wet Processing
- Apparel Manufacturing

**Extra-Curricular Activities:** Department focuses on extracurricular activities of students to make them fit for addressing the growing challenges of the world, through its various clubs such as: Debate club, Sports Club, Cultural club and language club.



## Why to Study in Textile Engineering at SU?

It provides quality education at lowest tuition fees with many more facilities such as:

mill visit, study tour, laboratory facilities, digital service, students' advising, job placement, seminars, workshops etc.



Seminar

Inauguration ceremony of Digital Campus-2020

Seminar Inauguration ceremony of Digital Campus-2020  
Jobs in Textile and Garments (Private Sector)

**Spinning**

1. Lab
2. Production
3. Quality etc.

**Apparel**

- o Garments production
- o Quality
- o Sample
- o Cutting Room Management etc.
- o Garments Washing & Dyeing
- o Factory Merchandising
- o Buying House Merchandising
- o Production Planning and Control
- o Finishing
- o Printing
- o Industrial Engineering
- o Compliance
- o HR (Human Resource)
- o Marketing (M/C, Dyes and chemicals, Accessories)  
Weaving & knitting

1. Production

2. Quality R& D etc.

**Dyeing**

1. Yarn, Woven Fabric, Knit Fabric Dyeing Lab
2. Yarn, Woven fabric, Knit Fabric Dyeing production
3. Quality Checking etc.

## **Department of Naval Architecture and Marine Engineering (NAME)**

Sonargaon University is the only one private university in Bangladesh that offers the B. Sc in NAME program. This program covers wide range of areas, such as design of ship's hull to exploration of resources from the sea, strength, stability, sea keeping qualities, resistance and propulsion of ships, economic aspects of ship design and ship operation together with some courses of mechanical, electrical, civil and metallurgical engineering.

A ship is just like a floating city. Everything which is required in a city must be available in a ship. So, the naval architecture and marine engineering is a complete engineering.



The department produces naval architects and marine engineers with knowledge in architecture, structural engineering, propelling machineries, power generation, shipboard electrical equipment, computation, material properties like a material and metallurgical engineer, industrial management, marine pollution like an environmental engineer etc. Finally, the Naval Architects and Marine Engineers design, build, and maintain ships from aircraft carriers to submarines, from sailboats to tankers.

### **Objectives**

- To prepare the students about how to work on the basic design of ships, including the form and stability of the ship's hull.

- To provide knowledge on the propulsion, steering and other systems of ships which is required to operate the ship successfully in the harsh marine environment.
- To prepare the students for shipbuilding related works such as making the production drawing, supervision of projects etc.
- To serve the idea that how the ship repairing works are done in dockyard.

The department of NAME arrange one-month practical shipyard training for the 3<sup>rd</sup> year students in Khulna Shipyard which is the oldest and largest shipyard of Bangladesh.



**Industrial Training in Khulna Shipyard**



**Ship Design Laboratory**



**Certificate giving ceremony**

## Department of Fashion Design & Technology (FDT)

Fashion Design & Technology (FDT) is an eight semesters/ four years' degree program for those students who have already passed out the HSC examination or its equivalent in any branch of knowledge. Its course has been designed to expand the students' vision in fashion design by including the surrounding environment and culture. The garments and fashion industries of Bangladesh are increasing rapidly and huge skilled manpower is being produced to meet the demand of both domestic and international market.

FDT program will not only increase the basic knowledge and confidence of the learners but also, it will eventually help them to develop their career as skilled technologists.



Fashion Design & Technology (FDT) is designed for students to acquire conceptual and practical skills in fashion design and to transform their conceptual skill into finished garments. This course will enhance creativity and provides opportunity to utilize their knowledge and skill in creativity in problem solving. After successful completion of FDT program at SU, students are expected to become professionally eligible to choose their career as:

- Fashion Designer
- Fashion Illustrator
- Product Developer
- Fit Technologist
- Sample Developer
- Pattern designer
- Quality Assurance Manager
- Retailer & Design Manager
- Boutique Owner
- Fashion Merchandiser
- Boutique owner
- Creative Content Writer
- Fashion Blogger
- Freelance Designer
- Fashion Graphic Designer
- Fashion Researcher
- Fashion Analyst

## Department of Apparel Manufacture & Technology (AMT)

This department has been established recently. It offers 8 semester/4 years: B.Sc. degree program. Only those who have passed HSC examination or equivalent (in any group) are eligible for admission.



The Garment Manufacturing and Merchandising Sector of Bangladesh has been developing rapidly to meet the huge needs of the country and also, for the export sector which is also flourishing rapidly.

Program provides the basic knowledge, skills, and confidence building and quality assurance of products. More than 80% of the students get jobs through the placement center in the following areas:

- Garment industries
- Buying House
- Textile industries
- Quality control inspection
- Textile and jute ministry
- printing industry
- Garment swashing and dyeing industries
- Buying Houses etc.



## Department of Architecture

At a new era when the national and international media regularly canvass issues pertaining to sustainability concerning the nature and habitability of our cities, and iconic buildings which veer between sculptural extravagance and environmental responsibility, there is a strong need for imaginative and committed designers and thinkers in architecture discipline. A practical and critical knowledge is an indispensable foundation for enlightened citizenship in increasingly challenging and complex world. Having such a vision of producing creative and committed architects to combat the growing local and global gainsays, the **Department of Architecture**, Sonargaon University (SU) is operating. We shall be and shall remain a centre of excellence in Architecture education.



## SHAH CEMENT DOT STUDENT DESIGN COMPETITION AWARD

### A3F SUSTAINABLE DESIGN AWARD [CHANDIGARH, INDIA]

"FROM AUTHORITARIAN TO PERMISSIVE : Creating A Place Identity at the Diminishing Historical and Cultural Landscape of Urban Sylhet, Bangladesh"- Nur Alam Siddiki's project was also acknowledge as a winning award in this prestigious competition and the only winner announced from Bangladesh.





## INTERNATIONAL PHOTOGRAPHY CONTEST AWARD

NICOSIA, EUROPE

Md. Khairul Islam, a promising student of Level 5, Term 3 won an international photographic competition this year funded by European Union and held at Nicosia, Europe.



Study Tour



Grand Jury



# Faculty of Business

## Department of Business

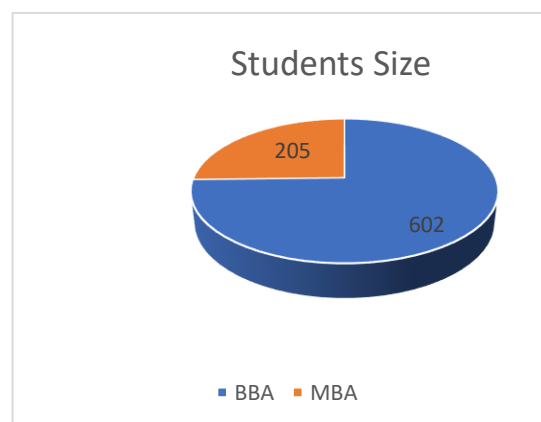
This faculty was established in 2012 to produce business skill oriented manpower to meet the growing needs of the rapidly expanding business sector of the Bangladesh's economy. The vision of the Business Faculty is to produce Entrepreneur to resolve the unemployment problem from Bangladesh and the mission is to provide proper business education, practical knowledge and motivate students to take both domestic and global business challenges. The specific programs pursued by this faculty are:

### Programs

- (i) **Bachelor of Business Administration (BBA)**
- (ii) **Master of Business Administration (MBA)**
- (iii) **Executive Master of Business Administration (EMBA)**
- (iv) **MBA in Supply Chain Management (MSCM)**
- (v) **Master of Bank Management (MBM)**
- (vi) **MBA in Apparel Merchandising (MAM)**
- (vii) **MBA in Textile and Fashion Marketing (MTFM)**

**Faculty Strength:** In order to support the above programs, the faculty of business has 35 faculty members including adjunct.

**Students Size:** Total number of students in all these programs are 802 including 602 in BBA program.



## Extra-curricular activities:

### (a) Clubs

There are seven different clubs operated under the Faculty of Business. These are:

- Debating Club
- SU Film and Photography Club
- Sports Club
- Blood Donation Club
- Language Club
- Event Management Club

### (b) Some Events to remember

#### Entrepreneur Fair-2019

A three-day 'Entrepreneur Fair' was organized on 17 January, 2019 by the Business Club of Sonargaon University (SU). Its slogan "Opportunity to be engaged with the next generation leaders!"

Consistent with the previous two years, the Faculty of Business has organized the fair, which will make a ground for the students to display their innovative and unique business ideas as well as future endeavors.

Pictorial presentation of various events of faculty of business are shown below



Champion in Debate-2016

The Faculty of Business became the champion in inter university debate competition held in 2016 that was arranged by the Bangladesh Debating Society.



### SU Business Debating Club

Champion of the inter University Debate Competition  
Organized by Bangladesh Debating Society (BDS)



### Seminar

The Faculty of Business has arranged a seminar titled “Right Skills & Right Jobs: What Employers Want VS What Job Seekers Want. On the auspicious occasion, Chief Guest was Prof. M.A. Razzaque, Vice-Chancellor, Sonargaon University. Key note Speaker was Mr. Sayed Tarek Kamal, Managing Director, iNFiNiTi HR. The Program was presided over by Mr. Abul Kalam, Head, Department of Business Administration.

## Annual Study Tour

The Faculty of Business had arranged a study tour the students. The venue was at Moynamoti in Cumilla.



## Champion in Debate-2016



# Faculty of Arts and Humanities

## 1. Department of Law

Since the inception in 2014 Department of Law has been in the vanguard of legal education by undertaking innovative research, forstoring interdisciplinary approaches to the law, promoting sence of social justice and enhancing understanding of fundamental legal rules. The Department of the Law has its vision in legal education with the present and prosptive students. The four year undergraduate progame and one year graduate program at the Department of Law culminates into a Bachelor of Laws (LLB) honors and Master of Laws (LLM) degree respectively.

The Department of Law belives that legal education should not be based only on plain text rather emphasizes on providing thestudents a learning environment that equips them to become lifelong learners by integrating strong discipline based knowledge and the development of professional capabilities. The coursework program for the both undergraduate and graduate students reflect the latest development of law within the practice and profession. Several legal luminaries of the county are involved that Sonargaon University Moot Court Society (SUMCS) platforms the students to engage themselves for preparing moot cout competition and research.



Day long workshop on moot court



Final session of the moot court competition,2019

## 2. Department of Bangla

The newly established Department of Bangla of Sonargaon University is committed to provide high quality education in Bangla Language and Literature with primary focus on the works of the two great Poets Rabindra Nath & Kazi Nazrul Islam as well as other contemporary Poets & Literary luminaries utilizing all modern means of communication. The students are expected to be highly committed in their pursuit of acquiring knowledge in Bangla. After their four years of exposure leading to degree of Bachelor of Arts (Hons) in Bangla, they will feel themselves academically strong enough of work in any branch of development, apart from teaching Bangla in various Institutions. We welcome students from any discipline if they fulfill all admission requirements as mentioned in the University website.

The Department of Bangla has excellent teaching staff capable of providing all kinds of academic supports. Students are encouraged of utilize the SU Library with the special corner equipped with lot of Books and Journals on Bangla Language and literature.

