SWE Department Guide Book

Message from Head of the Department

On behalf of the faculty members and students of the Department of Software Engineering, I, Dr. Imran Mahmud, Head of the Department, welcome you to our department.

Software is now everywhere and our society is now totally dependent on software- intensive systems. Software Engineers around the world are now shaping society through digitization and digitalization. And we are going to be a part of that.

We have designed our courses to increase the employability of our students in the public, corporate, entrepreneurial and non-profit sector anywhere in the world. We prepare our students to embrace the highest professional standards in the IT and Software Engineering sector. Our excellent faculty members are committed to supporting you.

The uniqueness of our department and programs is our delivery. We focus more on real life projects and research works where students get learning experience which is more experiential. This is more about problem based learning and enquiry based learning. Our teaching is much different than traditional teaching and it includes flipped classroom and blended learning.

Another unique aspect of the department is that students are offered three different major courses: Cyber security, Data Science and Robotics, to keep pace with the rapidly growing job market.

Founded in 2010, the Department of Software Engineering is renowned for teaching, research and qualified alumni who are working as software engineers at top tier companies both home and abroad. The syllabus is always reviewed by experts from industry and academia.

Description of the Program

The Department of Software Engineering offers the program of B.Sc. (Hons.) in Software Engineering. The program is designed to produce skilled manpower for the global IT market in order to satisfy the growing demands of software engineering professionals throughout the world. The central goal is to create knowledgeable, efficient, and skilled software engineering graduates so that they are able to make themselves competent to work not only with the software industries in their home country but also with any giant technological organization of the world.

Department's Location:

Room No.-607 at AB-4

Daffodil Smart City, Birulia, Savar, Dhaka-1216

Name of the Degree

Bachelor of Science in Software Engineering

Website Link: https://daffodilvarsity.edu.bd/department/swe

Social Media Link: https://www.facebook.com/people/Department-of-Software-Engineering-DIU/100063590260019/

Name of the Program Offering Entity

The name of the program offering entity is the **Department of Software Engineering** under the **Faculty of Science and Information Technology.**

Vision of the Program Offering Entity

"To become a **tertiary level academic and research center of excellence** in the field of **Software Engineering** for creating **global leaders** with **high self-esteem** who are able to **accept** and **overcome challenges in a fast-changing environment**."

Mission of the Program Offering Entity

Department of Software Engineering is committed to:

To produce **knowledgeable and skillful software engineers** who will **positively influence** and **enhance** the **lives of people** and who will be ready for the **national and international industrial demand** in order to realize the aspiration of the country in the field of Software Engineering by contributing to the **research**, **innovation**, **entrepreneurship** and **technological advancement** that are aligned with **National Development Agenda (NDA)**, **Millennium Development Goals (MDGs)** and **Sustainable Development Goals (SDGs)**. Promote quality and ethics among the students & Motivate students to acquire entrepreneur skills to become global leader.

Objectives of the Program Offering Entity

Professionalism:
Graduates will establish themselves as practicing global **professionals** having high esteem in Software Engineering or related fields for accepting and overcoming challenges in a fast-changing environment.
Continuous Personal Development:
Graduates will engage in lifelong pursuit of knowledge and interdisciplinary learning appropriate for research, industrial and academic careers.
Social Engagement:
Graduates will contribute to the well-being of people and society by producing research, innovation and entrepreneurship that are aligned with national development agenda, Millennium Development Goals (MDGs) and Sustainable Development Goals (SDGs).

Departmental Rules and Policies

The main task of the department is to ensure all kinds of administrative support to the students, so that studentscan continue their study smoothly. The department ensues all support to the students in compliance with therules and regulations of the university.

Students' Support against Inquiries:

Students ask for various types of information related to the departmental services. A prospective student or a guardian wants to know various things about our department after getting admission. Such as:

- Course offer
- Class starting date.
- Mid-term and Final Examination date.
- New students ID card and Reissue ID card.
- Credit requirements and duration of the program
- Tuition fees waiver and scholarships
- Faculty members' information.
- SWE Students participated in different contests.
- Membership of IEB.

Following Information provided to the students:

A student comes to the department after getting admission. From the department the following information has been given to the student:

- **Provide Course Offer:** A student can get from Online and Offline Notice board.
- **Provide Section:** During advising time, the department ensures the section of every student.
- **Provide Advisor's details:** When a student comes to the department we give the advisor's details.
- **Provide Semester Schedule and:** Semester schedule also provided to the students during advising time.
- **Class routine.** Class routine generally upload in the online notice board.

Advising and Counseling:

Every student is under an advisor. A student can get all kinds of advising regarding academic and other issues.

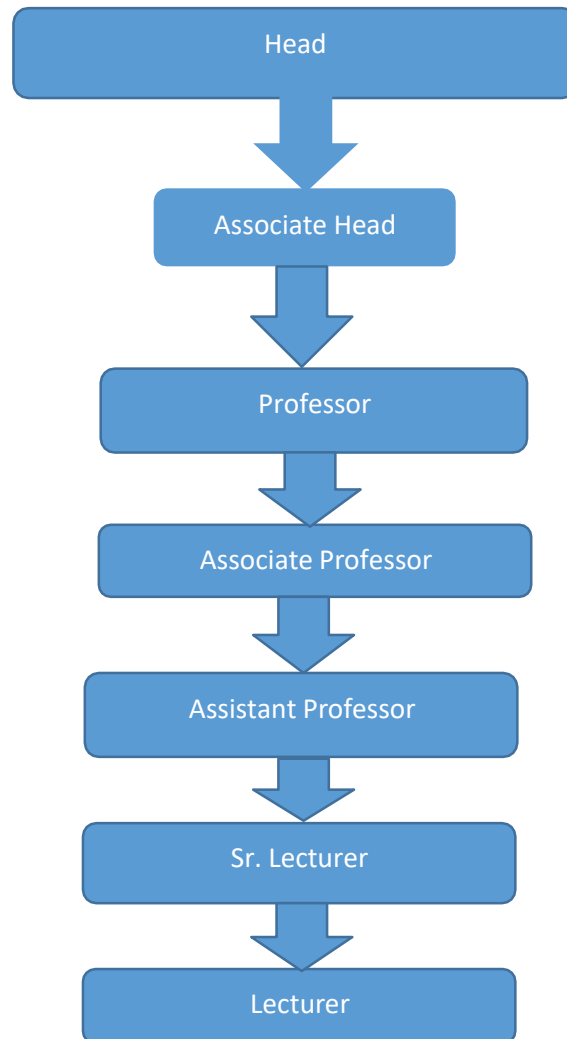**Faculty Information:**

Students can get the faculty information from the departmental web site and also from the department.

https://faculty.daffodilvarsity.edu.bd/teachers/swe.html

Faculty Hierarchy:

Website Link: **https://faculty.daffodilvarsity.edu.bd/teachers/swe.html**

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                 ┌──────────────┐
                 │ Associate Head│
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              ┌─────────────────────┐
              │     Professor       │
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              ┌─────────────────────┐
              │ Associate Professor │
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              │ Assistant Professor │
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              │    Sr. Lecturer     │
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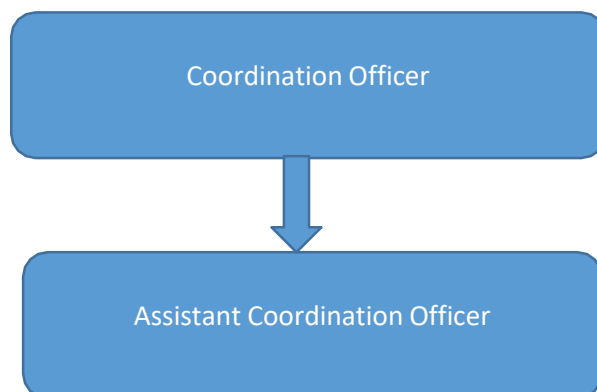
Faulty Job Responsibilities:

- Conduction of regular classes
- Students' mentoring
- Prepare course materials
- Perform all duties assigned by the department & the management
- Research activities
- Final year project supervision
- Organize workshops, seminars etc.

Departmental Admin Hierarchy:

Website Link: https://daffodilvarsity.edu.bd/department/swe/coordination-officer

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│        Coordination Officer         │
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│    Assistant Coordination Officer   │
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Coordination. Officers' job responsibilities:

- Liaison with various department for the Smooth operation of departmental activities
- Course offer fixing with course offer committee
- Various Bill Related job
- Old Syllabus related students' problem solved
- Alumni Support
- Defense related job
- Degree awarding related job
- Various Report Submission related job
- Dues related job
- Classrooms' and lab rooms' problem solve related job
- Exam Related support
- Counselling & Processing student's re-admission form.
- Communicating with students and guardians regarding dues issue
- Processing student's different application like waiver, semester drop etc.
- Solving student's mail password problem.
- Solving student's BLC problem.
- Informing student's reschedule class.
- Contact with student's Parents for different purposes
- Solving late registration issue
- Processing student's application
- Supported newly admitted students for different purposes

- Solving student's class routing problem
- Solving student's transport problem for attending class in due time.
- Solving student's laptop issue
- Preparing student's testimonial, Concern letter and medium of Instruction.
- Circulating different notice to the students.
- Providing coordination support regarding various issues
- Assisting students to apply for Transcript, Certificate, and Convocation etc.
- Solving different problems of CSE students like different conflict management, etc.
- Supporting students for ID card issue
- Other activities as and when required by the management.
- Look after supporting staff to keep campus neat and clean.
- Course registration of SWE Department.
- Daily class monitoring of SWE Department

Theory Classrooms' Status:

We have 16 well-furnished classrooms which are situated in the following floors:

THEORY CLASSROOMS' STATUS
ROOM NO.
Class Room -604, KT
Class Room -611, KT
Class Room -612, KT
Class Room -701A, KT
Class Room -701B, KT
Class Room -712A, KT
Class Room -712B, KT
Class Room -713, KT
Class Room -811, KT
Class Room -812, KT
Class Room -813A, KT
Class Room -814B, KT
Class Room -913, KT
Class Room -914, KT
Class Room -921, KT
Class Room -101, KT

Computer Lab rooms' Status:

We have 7 well-furnished Computer Lab Rooms which are situated in the following floors:

COMPUTER LAB ROOMS' STATUS
ROOM NO.
Computer Lab-610, KT
Computer Lab-616, KT

Computer Lab-814A, KT
Computer Lab-903, KT
Computer Lab-710, KT
Computer Lab-711A, KT
Computer Lab-711B, KT

Specialized Lab room' Status:

Name	Room No.
Data Science Lab	601, AB-04
Robotics Lab	613, AB-04
Cyber Security Centre	614, AB-04

Clubs' Details:

We have following clubs:

a) Software Engineering Club (SEC): A student can join the club and explore the opportunities of himself/herself.

For more details, please go through the below link:

Website: https://daffodilvarsity.edu.bd/article/clubs
Social Media Link: https://www.facebook.com/secdiu/

b) Data Science Club (DSC): A student can join the club and explore the opportunities of himself/herself. For more details, please go through the below link:

Social Media Link: https://m.facebook.com/groups/606084774240942/
LinkedIn: https://www.linkedin.com/in/data-science-club-diu-50931824b/?originalSubdomain=bd

Conclusion

This Guide Book will provide a roadmap for development of Organizational supports and services. The Guide Book, developed by the department of software engineering, will meet/reflect the mission, vision, core operating values and assumptions underlying the organization's approach to its work.

Dr. Imran Mahmud
Head, Department of SWE
Daffodil International University