

CSE Annual Report 2025

Department of Computer Science and Engineering

Green University of Bangladesh



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1

Overview of the Department

1.1 Introduction

Computer Science and Engineering (CSE) stands out as one of the rapidly expanding and highly rewarding disciplines within the global engineering landscape. It has swiftly become the preferred field for numerous high school graduates aspiring to pursue a career in computational technology. The increasing advancements in the IT sector further intensify the need for highly skilled professionals in the industry. At Green University of Bangladesh (GUB), the CSE department is dedicated to significantly contributing to this domain. Program graduates find employment in reputable companies, and universities, and pursue higher studies abroad, reflecting the success and recognition of the program.

1.2 Objective and Goal

Since its establishment in 2003, the CSE department at GUB has been at the forefront of research and education, aiming to generate high-caliber graduates. The department's reputation as a leading and esteemed CSE department in the country is owed to its combination of highly qualified faculty and state-of-the-art facilities. The accomplishments of the department's alumni serve as compelling proof of its competence. Notably, the CSE department is dedicated to establishing a strong brand presence in both the industrial and academic sectors, both domestically and internationally.

The Bachelor of Engineering degree requires students to undergo fundamental and core courses in the field. To stay abreast of cutting-edge research, undergraduate programs also include advanced courses. Alongside these, students are expected to study interdisciplinary courses, crucial for graduates in any discipline. In the final year, they concentrate on a specific area of interest for their Thesis/Project work, a test of their abilities that offers a blend of technical knowledge and professional guidance. Moreover, short courses, seminars, and academic contests are integrated into the regular study period.

1.3 Vision Statement

The vision of the department is to become a center of excellence in teaching, learning, and innovating and thus, producing competent graduates for addressing the challenges of the 21st century.

1.4 Mission Statement

Department of Computer Science and Engineering will venture:

- Producing high-quality graduates in terms of knowledge, research, development, and innovation.
- Empowering students with cutting-edge technical knowledge and complex problem-solving skills for addressing challenges of 21st century workplaces.
- Preparing graduates to excel as leading engineering professionals with social responsibilities, ethics, and values.
- Enhancing the life-long learning capacity of students by engaging them in new technological design and development activities.

1.5 Tagline

"Quest for innovative and sustainable technologies"

2

Conferences, Seminars, and Workshops Organized by the Department

2.1 Introduction

Seminars, workshops, and conferences play a crucial role in the institute, serving as platforms not only for learning new aspects, diverse perspectives, and the latest information but also as effective networking opportunities. To emphasize this, the Department of CSE organized various conferences, seminars, and workshops in the year 2025. A notable flagship event was the international conference titled the 7th International Conference on Sustainable Technologies for Industry 5.0 (STI), 2025. In the following sections, we provide detailed information on all the events conducted by the department in the year 2025.

2.2 Seminar on Choosing the Right Path in ML | DevOps | SWE | Cybersecurity

The Department of Computer Science and Engineering (CSE) at Green University of Bangladesh (GUB), in collaboration with bengoDev, organized a seminar titled “Choosing the Right Path in ML | DevOps | SWE | Cybersecurity” on 23 February 2025. The program was hosted by the Green University Computer Club (GUCC) and held from 02:00 PM to 04:00 PM at Room A-302 of GUB. The purpose of the seminar was to guide students in selecting suitable career paths in modern computing fields and to help them understand industry expectations.



Figure 2.1: The Banner of the Seminar on Choosing the Right Path in ML | DevOps | SWE | Cybersecurity

The event began with an opening session where organizers highlighted the importance of career planning in today's evolving technological landscape. The seminar featured two keynote sessions led by professionals from the software industry. The first session was conducted by Md. Nure Alam Siddiq, Co-Founder & CEO of bongoDev and Software Engineering Manager at Optimizely. He shared his career journey and emphasized leadership, innovation, and the need for continuous skill development to succeed in the software industry.

The second keynote session was delivered by Kamrul Hasan, Mentor at bongoDev and Software Engineer at Optimizely. He discussed career opportunities in Machine Learning, DevOps, and Software Engineering, and offered practical guidance on how students can identify their interests and build expertise in these fields.



Figure 2.2: A glimpse of the participants through the Seminar

The seminar was honored by the presence of Prof. Dr. Md. Ahsan Habib (Tarox), Immediate Past Chair of IEEE CS Bangladesh Chapter and Professor at GUB, who attended as the Chief Guest. He spoke about connecting academic knowledge with practical application to meet industry standards. Dr. Muhammad Aminur Rahaman, Associate Professor and Chairperson of the Department of CSE at GUB, served as the Session Chair and encouraged students to engage in learning beyond the classroom through seminars, workshops, and project-based activities. The program also included an interactive Q&A and networking session where students actively participated and received valuable advice from the speakers. The seminar provided students with essential insights into career planning, industry trends, required technical skills, and professional development in the fields of ML, DevOps, Software Engineering, and Cybersecurity.

2.3 Online Workshop and Discussion Session on Industrial Training Report Writing

The Department of Computer Science and Engineering (CSE), Green University of Bangladesh, successfully organized an online workshop and discussion session titled "Workshop on Industrial Training Report Writing" on Wednesday, 20 August 2025, at 8:00 PM via the Zoom platform. This session was conducted as part of the Summer 2025 Internship Program to guide students in preparing and structuring their Industrial Training Reports effectively. The session was chaired by Prof. Dr. Md. Ahsan Habib, Chairperson of the Department of CSE, and featured a keynote presentation by Mr. Md. Ataulha, Lecturer of CSE. The workshop was attended by all academic supervisors and intern students, whose participation was mandatory as part of their internship requirement. Prof. Dr. Md. Ahsan Habib highlighted the significance of industrial training as a bridge between academic learning and professional

experience. He emphasized that a well-documented report reflects not only students' technical achievements but also their analytical, communication, and ethical understanding gained through industry exposure.



Figure 2.3: The Banner of the Online Workshop and Discussion Session on Industrial Training Report Writing

Mr. Md. Atauliha delivered an in-depth presentation on the Industrial Training Report Template prepared by the Department of CSE. He elaborated on each section of the report, including Introduction, Organization Overview, Training Activities, Acquired Skills, and Conclusion, and demonstrated how students should align their experiences with academic outcomes and Program Outcomes (POs). He also discussed how the report connects with Sustainable Development Goals (SDGs), as reflected in the annexure section of the provided template.

The session included a live demonstration of report formatting, referencing style, and content organization using the official Internship Report Template (Student Version). Common mistakes, such as missing timelines, a lack of evidence-based reflection, and unreferenced project descriptions, were also highlighted.

Students actively participated by asking questions about structuring weekly activities, writing abstracts, and illustrating diagrams for their project sections. The workshop clarified technical and structural aspects of professional report writing and enhanced students' readiness to prepare and submit internship reports according to departmental guidelines.

The workshop served as an essential step in maintaining academic integrity, standardization, and professional presentation of internship reports across the Department of CSE.

2.4 Seminar on “CSE Research Quest for Fall 2025”

On August 18, 2025, the Department of Computer Science & Engineering (CSE) at Green University of Bangladesh successfully organized a seminar titled “CSE Research Quest for Fall 2025”. The event was graced by Prof. Dr. Md. Salful Azad, Dean, Faculty of Science & Engineering, Green University of Bangladesh, as the Chief Guest. In his speech, he highlighted the importance of research in higher education and emphasized the need for a High-Performance Computing (HPC) Lab to support research students. He also assured that the university will continue to provide advanced facilities for student research.



Figure 2.4: The Banner of the Seminar on CSE Research Quest for Fall 2025

The session was chaired by Prof. Dr. Md. Ahsan Habib, Chairperson, Dept. of CSE, Green University of Bangladesh. He began with warm greetings and explained that the seminar was designed to encourage students for innovative research works. He motivated the students to pursue thesis-based projects and highlighted the role of research in academic and professional development. The seminar showcased 6 Research Cells of the CSE Department:

- Fatema Akter, Lecturer (CSE) discussed the vision, mission, research areas, scope of publications, key achievements, ongoing projects, and future plans from Artificial Intelligence and Machine Learning research cell.
- Md. Ataulha, Lecturer (CSE) explained the thesis fundamentals, how to select a thesis topic, differences between journal and conference papers, the importance of regular meetings with supervisors and the significance of writing efficient code for research publications from the Natural Language Processing research cell.
- Sharifur Rahman, Lecturer (CSE) covered fundamentals of Computer vision, real-world applications of research problems, key areas, sectors of research, achievements, and future research plans from Computer Vision research cell.
- Mahbubur Rahman, lecturer & PC (D) (CSE) discussed how research can be conducted without harming the environment, emphasized the importance of sustainable computing practices, highlighted the vision, mission focusing on low carbon emissions, reduced power consumption, and minimizing harmful radiation from Green Computing and Communication research cell.
- Jahidul Islam, Assistant Professor (CSE) shared a summary of research contributions, citations, and publications of team members from Cyber Security and Blockchain research cell.
- Feroza Naznin, Lecturer (CSE) introduced vision, mission, research areas, significance of work, future directions of research from Bioinformatics research cell.



Figure 2.5: A group photo of the participants and honored guests at the seminar.

The seminar concluded with an interactive session where students shared queries and gained valuable insights about pursuing thesis and research-oriented careers. The seminar also inspired students to actively engage in research and thesis work under the six dedicated research cells. It provided guidance on thesis selection, publication opportunities, and future research directions, significantly motivating participants to contribute to the field of Computer Science and Engineering.

2.5 Future of AI, Cloud Native, and Mobile Development

The Department of Computer Science & Engineering (CSE) at the Green University of Bangladesh, in association with the Green University Computer Club (GUCC), successfully organized an expert-led seminar on AI, Cloud Native, DevOps, and Mobile Development. Held on 22 November 2025 at the Syndicate Hall (A-409) from 10:00 AM to 12:00 PM, the session aimed to bridge the gap between academic learning and the rapidly evolving global tech industry.



Figure 2.6: Group photo featuring the guest speakers, faculty members, and the GUCC organizing team at the Syndicate Hall.

The event featured four exceptional speakers who are industry leaders and pioneers in their respective fields:

- Shahriyar Al Mustakim Mitul, GitHub Campus Expert & Cursor Ambassador, shared deep insights into next-gen AI-powered developer tools and how AI is reshaping the modern coding workflow.
- Jasim Alam, Lead DevOps Engineer Guided students through the complexities of the cloud-native ecosystem, emphasizing the transition from traditional development to DevOps practices.
- Arif Hossen, CEO of MetaHeed & CNCF Ambassador – With over 21 years of expertise in cloud, cybersecurity, and distributed systems, he revealed a comprehensive roadmap for breaking into the CNCF (Cloud Native Computing Foundation) ecosystem.
- Abu Anwar MD Abdullah, Google Developer Expert (Flutter & Dart) – Inspired the audience by sharing his personal journey from being a student to becoming a globally recognized tech educator in mobile development.

The seminar was hosted by the Department of CSE and meticulously organized by the GUCC team, with technical support from GitHub, Cursor, and CNCF Cloud Native. The session included interactive discussions on industry-standard tools and career pathways, providing students with a direct line to global tech experts. The participation of faculty members and the enthusiasm of the students made the event a resounding success. The seminar concluded with a networking session, leaving the attendees motivated to master the technologies defining the future of the digital world.

3

Awards and Achievements

3.1 BUBT Inter University Collaborative Programming Contest (IUCPC) 2025

The team **GreenForces**, representing the Department of Computer Science and Engineering (CSE) at Green University of Bangladesh, participated in the **BUBT Inter University Collaborative Programming Contest (IUCPC) 2025**, an ICPC-style inter-university programming competition that brought together talented teams from universities across Bangladesh. The contest featured **75 teams from 16 universities**, providing a highly competitive environment that tested not only algorithmic problem-solving ability but also team coordination and strategic decision-making under pressure.

The competition was conducted following the ICPC format and included a diverse set of challenging problems designed to evaluate participants' knowledge of data structures, greedy algorithms, graph traversal techniques, constructive algorithms, and implementation-intensive problem solving. Many of the problems required careful handling of edge cases, efficient coding practices, and the ability to optimize solutions within strict time constraints. Consequently, maintaining consistency throughout the contest and effectively managing submissions were essential factors for achieving a strong performance.



Figure 3.1: BUBT Inter University Collaborative Programming Contest (IUCPC) 2025

Success in the competition depended heavily on teamwork and collaboration among team members. Efficient task distribution, simultaneous debugging and problem solving, and quick decision-making

regarding problem selection played crucial roles in maximizing the team's productivity. These aspects highlighted the importance of communication and coordination in achieving success in a collaborative programming environment. Competing against strong teams from leading universities, **Team GreenForces** demonstrated exceptional consistency and dominant performance throughout the contest. The team maintained a strong pace from the early stages of the competition and successfully converted multiple problem attempts into accepted solutions while keeping penalty overhead to a minimum. Through effective teamwork, sound contest strategy, and reliable execution under pressure, GreenForces outperformed all other participating teams and secured the **1st position overall**.

This remarkable achievement reflects the team's strong algorithmic foundation, excellent collaboration, and ability to perform consistently in a highly competitive ICPC-style environment. Securing the championship in the BUET Inter University Collaborative Programming Contest 2025 stands as a significant accomplishment for Green University of Bangladesh and further demonstrates the growing strength of its competitive programming culture and readiness for higher-level regional and international contests.

3.2 CUET Inter University Programming Contest (IUPC) 2025

The team **GreenForces**, representing the Department of Computer Science and Engineering (CSE) at Green University of Bangladesh, participated in the **CUET Inter University Programming Contest (IUPC) 2025**, a prestigious ICPC-style programming competition that brought together some of the strongest competitive programming teams from engineering and technology universities across Bangladesh. The contest featured **130 teams from 34 universities**, creating a highly competitive environment that tested algorithmic expertise, contest strategy, and the ability to perform under sustained pressure. The competition followed the standard ICPC format and presented participants with a diverse set of challenging problems covering advanced graph theory, dynamic programming, greedy optimization, combinatorial, and implementation-intensive tasks. Several problems required deep analytical thinking to identify optimal approaches, while others demanded precise and efficient coding under strict time constraints. The overall difficulty level was high, emphasizing consistency and endurance rather than isolated problem-solving success.



Figure 3.2: CUET Inter University Programming Contest (IUPC) 2025

One of the distinguishing features of the contest was its highly competitive nature, with many teams remaining closely ranked throughout the competition. Minor differences in penalty time, incorrect submissions, and delayed solutions often had a considerable impact on the final standings. Consequently,

strategic decision-making, including effective problem selection and time management, played a crucial role alongside technical proficiency.

Competing against some of the country's most experienced university teams, **Team GreenForces** delivered a steady and disciplined performance throughout the contest. The team maintained composure across different phases of the competition, ensuring consistent problem-solving while minimizing unnecessary penalties and missed opportunities. Through effective collaboration, sound contest strategy, and stable execution, GreenForces secured the **9th position overall**, placing among the **Top 10 teams** in the contest.

This achievement reflects the team's strong national-level competitive programming capability and its ability to perform consistently in mixed-difficulty contest environments. Securing a Top 10 position in the CUET Inter University Programming Contest 2025 stands as a notable accomplishment for Green University of Bangladesh and further demonstrates the growing strength of its competitive programming culture and readiness to compete at advanced regional and international levels.

3.3 Inter University Programming Contest – MU CSE Fest 2025

The team **GreenForces**, representing the Department of Computer Science and Engineering (CSE) at Green University of Bangladesh, participated in the **Inter University Programming Contest – MU CSE Fest 2025**, an ICPC-style programming competition organized as part of MU CSE Fest. The contest brought together **98 teams from 45 universities** across Bangladesh, creating a diverse and competitive environment where participants with varying levels of experience competed under the same problem set and time constraints.

The competition followed the standard ICPC format and featured a mixed-difficulty problem set designed to assess both fundamental and intermediate-to-advanced algorithmic skills. The problems covered a broad range of topics, including implementation-based logic, greedy algorithms, sorting and searching techniques, basic graph problems, and introductory dynamic programming concepts. Several tasks required careful attention to detail, as minor implementation errors or overlooked edge cases could significantly influence overall performance and final rankings.

One of the notable aspects of the contest was its wide participation base, which included both emerging competitive programmers and highly experienced ICPC teams. This resulted in a dynamic and closely contested leaderboard where consistency and accuracy played crucial roles. Teams were required to strike a balance between speed and correctness, as excessive incorrect submissions and accumulated penalties could substantially affect their standings.

Competing against strong teams from universities across the country, **Team GreenForces** demonstrated a steady and disciplined performance throughout the contest. The team maintained a consistent problem-solving pace while avoiding major disruptions caused by penalties or incorrect submissions. Through stable execution, effective collaboration, and sound contest management, GreenForces successfully secured the **15th position overall**, placing among the leading teams in the competition.

This achievement reflects the team's strong problem-solving capability, consistency, and ability to perform effectively in a large and diverse competitive environment. Their performance in the Inter University Programming Contest – MU CSE Fest 2025 further highlights the growing strength of competitive programming activities at Green University of Bangladesh and demonstrates the team's readiness to compete successfully in national-level ICPC-style contests.

3.4 ICPC Dhaka Preliminary Contest 2025

The team **GreenForces**, representing the Department of Computer Science and Engineering (CSE) at Green University of Bangladesh, participated in the **ICPC Dhaka Preliminary Contest 2025**, one of the most prestigious and highly competitive programming contests in Bangladesh. Serving as the official qualification round for the ICPC Asia Dhaka Regional Contest, the competition attracted an impressive **1,717 teams from 147 universities** across the country. The scale and intensity of the contest made it a

true benchmark for evaluating competitive programming strength at the national level.

The competition followed the standard ICPC format and featured a challenging problem set designed to assess participants' algorithmic knowledge, problem decomposition skills, and implementation accuracy under strict time constraints. The problems covered a wide range of advanced topics, including graph algorithms, dynamic programming, greedy optimization, number theory, combinatorial, and constructive problem solving. Many tasks required not only correct reasoning but also efficient coding and careful optimization to avoid time-limit issues and maximize scoring opportunities.

One of the defining characteristics of the contest was its exceptionally high level of competition. With a large number of highly skilled teams participating, even small differences in penalty time or a single additional solved problem could significantly influence the final rankings. Consequently, maintaining consistency, minimizing incorrect submissions, and making effective strategic decisions regarding problem selection were crucial factors for success.

Competing against some of the strongest collegiate programming teams in the country, **Team Green-Forces** delivered a remarkable and consistent performance throughout the contest. Demonstrating strong algorithmic capability, effective teamwork, and sound contest strategy, the team successfully secured the **15th position overall**, placing among the top-performing teams in the entire competition. Their ability to maintain composure and perform efficiently under the pressure of such a large-scale national event highlighted the team's maturity and competitive strength.

This outstanding achievement represents a significant milestone for Green University of Bangladesh in the field of competitive programming. Securing a place among the top teams in the **ICPC Dhaka Preliminary Contest 2025** reflects the team's readiness for advanced regional-level competitions and further demonstrates the growing excellence of the university's competitive programming culture.

3.5 Successful Collaboration in Rise Above All 2025

The Green University Computer Club (GUCC) proudly joined as a collaboration partner in Shukhee presents Rise Above All 2025, organized by Don Sumdany Facilitation & Consultancy. The event was held on 31 October 2025 at the KIB Complex, Dhaka, serving as a premier platform for leadership, inspiration, and professional networking. The event featured renowned leaders and icons who shared transformative insights with the participants: Don Sumdany, Founder of Don Sumdany Facilitation & Consultancy, and various industry changemakers delivered high-impact sessions focused on personal branding, career excellence, and the mindset required to overcome professional challenges.



Figure 3.3: GUCC representatives during the 12 Years Celebration at Green University of Bangladesh.

The program was supported by the GUCC organizing team and members who actively participated in two key capacities: Volunteer Engagement & Participation: GUCC members took an active role as

both volunteers and participants, ensuring the smooth execution of event logistics while simultaneously gaining firsthand exposure to high-level event management. **Networking & Mentorship:** Students had the opportunity to connect with icons and leaders, bridging the gap between academic learning and real-world success strategies. The collaboration created an environment of immense energy and motivation, empowering the participants to expand their horizons. The event concluded with a shared vision of growth and excellence, leaving GUCC members inspired to truly Rise Above All as they continue their academic and professional journeys.

3.6 GUCC 12 Years Celebration

The Green University Computer Club (GUCC) celebrated its 12th Anniversary with great enthusiasm and pride. Since its establishment, GUCC has played a significant role in developing technological skills, teamwork, and leadership among students of the Department of Computer Science and Engineering (CSE). The celebration was organized to commemorate the club's long journey, achievements, and continuous contribution to student development. The event was graced by the Chairperson of the Department of CSE, the Moderator of GUCC, and the Deputy Moderator, whose presence added special significance to the occasion.

The celebration featured a series of well-organized activities where members, faculty, guests, and participants gathered to reflect on GUCC's 12-year legacy and future aspirations. The program included welcome remarks, speeches delivered by the Chairperson, Moderator, and Deputy Moderator, and reflections on the club's journey and milestones over the years. A cake-cutting ceremony was held as a symbolic gesture of celebration, followed by a group photo session with guests and members. The active participation of GUCC leadership and departmental authorities highlighted the importance of the club's contributions to student engagement and academic activities.



Figure 3.4: Faculty members and GUCC representatives during the 12 Years Celebration at Green University of Bangladesh.

The event highlighted GUCC's tradition of excellence and its positive impact on student development. Speakers discussed the club's achievements in organizing workshops, competitions, and various

technological initiatives. They also emphasized GUCC's role in nurturing leadership qualities and practical skills among students. Future plans and innovative ideas were shared, encouraging students to uphold the club's values and continue contributing to its legacy. The celebration created an inspiring and collaborative environment, strengthening the relationship between faculty members, organizers, and students.

4

Faculty Transitions and Achievements

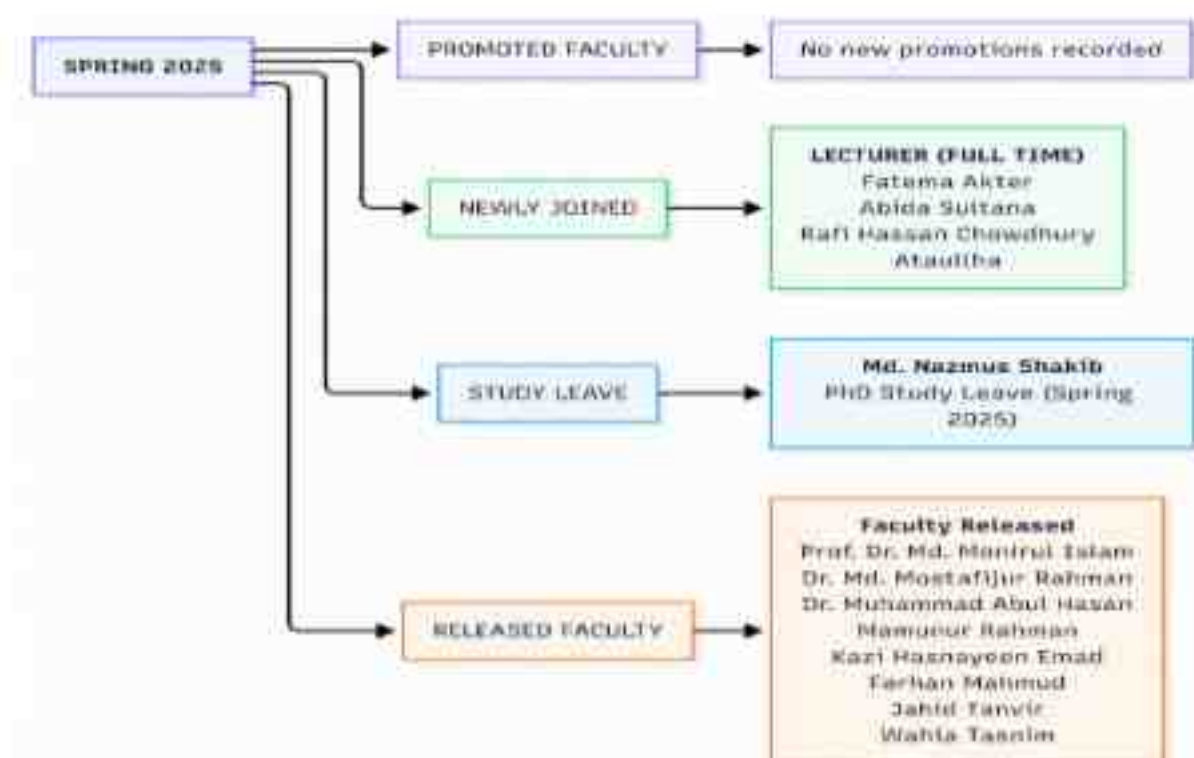


Figure 4.1: Pictorial Overview of Spring 2025 Semester

4.1 Newly Joined Faculty Members (Spring 2025)

- Fatema Akter joined as a Lecturer in the Spring 2025 semester.
- Abida Sultana joined as a Lecturer in the Spring 2025 semester.
- Rafi Hassan Chowdhury joined as a Lecturer in the Spring 2025 semester.
- Ataulha joined as a Lecturer in the Spring 2025 semester.

4.2 Faculty Members on Study Leave (Spring 2025)

- Md. Nazmus Shakib was on study leave to pursue his PhD in the Spring 2025 semester.

4.3 Released Faculty Members(Spring 2025)

- Prof. Dr. Md. Monirul Islam left his faculty position in the Spring 2025 semester.
- Dr. Md. Mostafizur Rahman left his faculty position in the Spring 2025 semester.
- Dr. Muhammad Abul Hasan left his faculty position in the Spring 2025 semester.
- Mamunur Rahman left his Lecturer position in the Spring 2025 semester.
- Kazi Hasnayeem Emad left his Lecturer position in the Spring 2025 semester.
- Farhan Mahmud left his Lecturer position in the Spring 2025 semester.
- Jahid Tanvir left his Lecturer position in the Spring 2025 semester.
- Wahia Tasnim left her Lecturer position in the Spring 2025 semester.

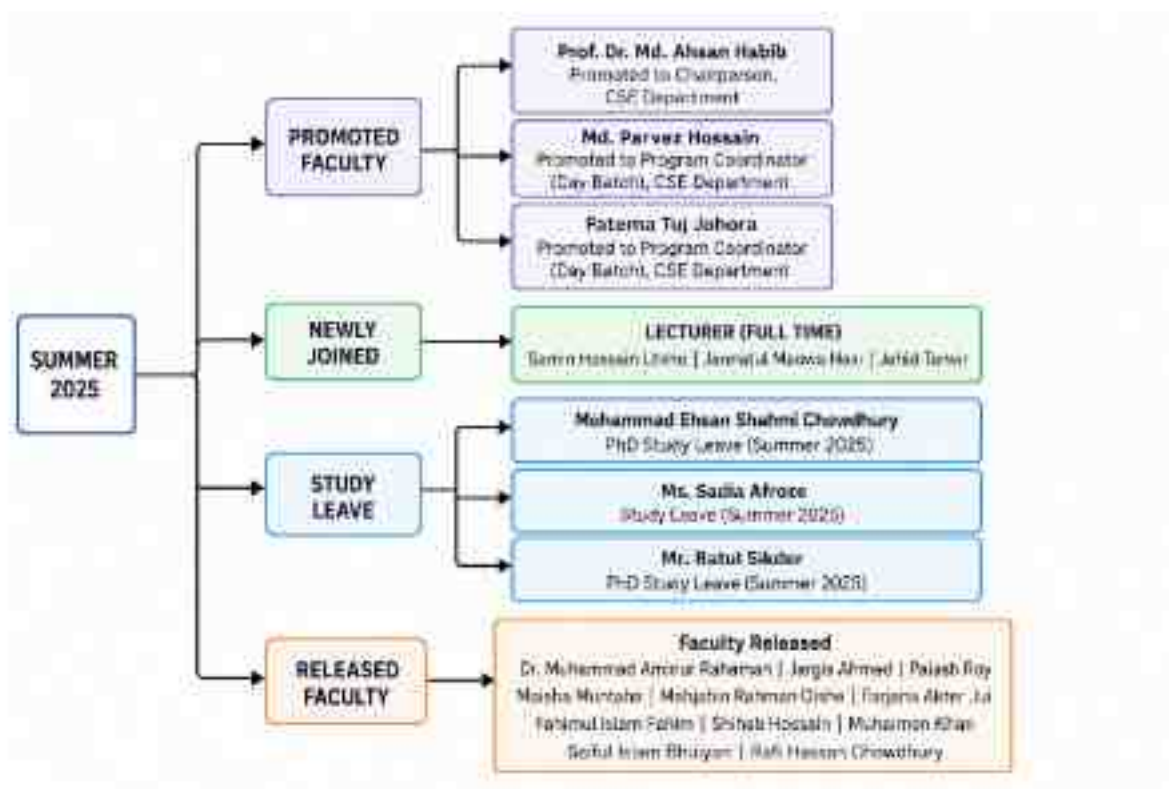


Figure 4.2: Pictorial Overview of Summer 2025 Semester

4.4 Promoted Faculty Members (Summer 2025)

- Prof. Dr. Md. Ahsan Habib was promoted to the post of Chairperson of the CSE Department in the Summer 2025 semester.
- Md. Parvez Hossain was promoted to the post of Program Coordinator (Day Batch) of the CSE Department in the Summer 2025 semester.
- Fatema Tuj Johora was promoted to the post of Program Coordinator (Day Batch) of the CSE Department in the Summer 2025 semester.

4.5 Newly Joined Faculty Members (Summer 2025)

- Samir Hossain Utsaho joined as a Lecturer in the Summer 2025 semester.
- Jannatul Maowa Haal joined as a Lecturer in the Summer 2025 semester.
- Jahid Tanvir joined as a Lecturer in the Summer 2025 semester.

4.6 Faculty Members on Study Leave (Summer 2025)

- Mohammad Ehsan Shahmi Chowdhury was on study leave to pursue his PhD in the Summer 2025 semester.
- Ms. Sadia Afroze was on study leave in the Summer 2025 semester.
- Mr. Ratul Sikder was on study leave to pursue his PhD in the Summer 2025 semester.

4.7 Released Faculty Members (Summer 2025)

- Dr. Muhammad Aminur Rahaman left his faculty position in the Summer 2025 semester.
- Jargis Ahmed left his faculty position in the Summer 2025 semester.
- Palash Roy left his faculty position in the Summer 2025 semester.
- Maisha Muntaha left her Lecturer position in the Summer 2025 semester.
- Mahjabin Rahman Oishe left her Lecturer position in the Summer 2025 semester.
- Farjana Akter Jui left her Lecturer position in the Summer 2025 semester.
- Fahimul Islam Fahim left his Lecturer position in the Summer 2025 semester.
- Shihab Hossain left his Lecturer position in the Summer 2025 semester.
- Muhaimen Khan left his Lecturer position in the Summer 2025 semester.
- Saiful Islam Bhuiyan left his Lecturer position in the Summer 2025 semester.
- Rafi Hassan Chowdhury left his Lecturer position in the Summer 2025 semester.

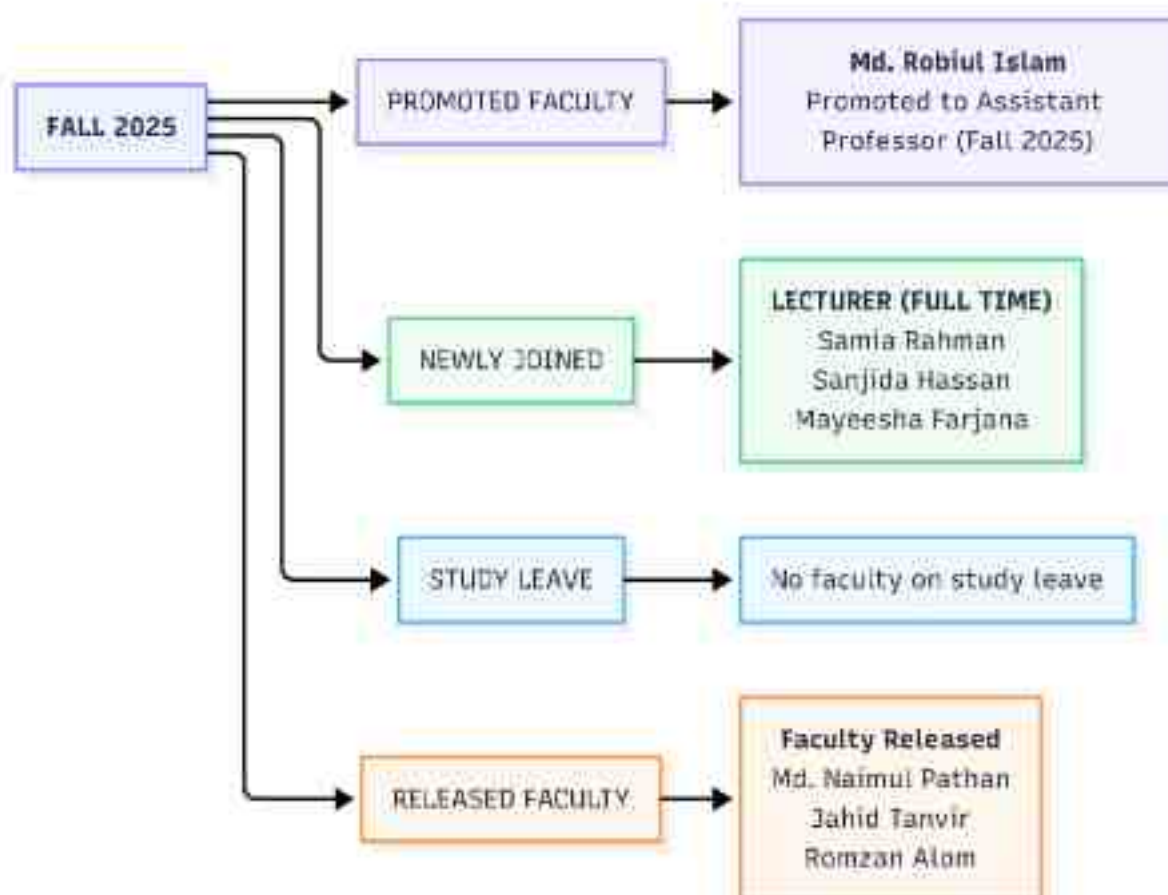


Figure 4.8: Pictorial Overview of Fall 2025 Semester

4.8 Promoted Faculty Members (Fall 2025)

- Md. Robiul Islam was promoted to the post of Assistant Professor in the Fall 2025 semester.

4.9 Newly Joined Faculty Members (Fall 2025)

- Samia Rahman joined as a Lecturer in the Fall 2025 semester.
- Sanjida Hassan joined as a Lecturer in the Fall 2025 semester.
- Mayeesha Farjana joined as a Lecturer in the Fall 2025 semester.

4.10 Released Faculty Members (Fall 2025)

- Md. Naimul Pathan left his Lecturer position in the Fall 2025 semester.
- Jahid Tanvir left his Lecturer position in the Fall 2025 semester.
- Romzan Alam left his Lab Lecturer position in the Fall 2025 semester.

5

Student Club Activities

5.1 CSE Freshers' Orientation Program – Spring 2025:

The CSE Freshers' Orientation Program – Spring 2025 was held on 30 January 2025 at the GUB Multipurpose Hall, organized by the Green University Computer Club (GUCC). The program warmly welcomed the newly admitted students of Batch 251 to the Department of Computer Science and Engineering (CSE) at Green University of Bangladesh. The purpose of the event was to help newcomers become acquainted with academic guidelines, departmental culture, and opportunities for growth through co-curricular and extracurricular activities.

The event began with the recitation from the Holy Quran and the Holy Gita, reflecting cultural harmony and respect for diversity. A welcome speech was delivered by the organizers on behalf of GUCC, introducing the purpose of the program and the role of the club in student development.



Figure 5.1: CSE Freshers' Orientation Program: Spring 2025

A short documentary on the CSE Department was presented, highlighting academic achievements,

club activities, research contributions, and student success stories. This helped the freshers gain a deeper understanding of the department's mission, vision, and learning environment. The program featured speeches from distinguished guests:

- Prof. Dr. Md. Saiful Azad, Dean of the Faculty of Science and Engineering (FSE) and Director of IQAC, attended as the Chief Guest. He spoke about the importance of discipline, academic commitment, and innovation to succeed in the competitive field of computing.
- Prof. Dr. Md. Ahsan Habib (Tareq), Immediate Past Chair of IEEE Computer Society Bangladesh Chapter, joined as the Special Guest. He inspired students to focus on research, higher studies, and technological excellence.
- Dr. Muhammad Aminur Rahaman, Chairperson and Associate Professor of the CSE Department, served as the Session Chair. He introduced the faculty members, academic structure, course outline, and evaluation methods, while encouraging students to actively participate in departmental initiatives.

An interactive session was conducted by the members of GUCC, where they introduced the club's mission, technical and career development programs, and upcoming workshops and competitions. Freshers were also informed about opportunities to join various teams such as Robotics, Programming, Cybersecurity, Content Creation, and Event Management.

The event concluded with a group photo session and refreshments, creating an opportunity for the new students to interact with faculty members, senior students, and club executives in an informal setting. The program set a positive and motivating start for the academic journey of Batch 251 in the CSE family at Green University of Bangladesh.

5.2 Inter Department Gaming Competition (IDGC 2025)

The Green University Computer Club (GUCC) successfully organized the Inter-Department Gaming Competition (IDGC 2025), one of the most exciting and competitive esports events at Green University of Bangladesh. The event brought together enthusiastic gamers from various departments to compete in a dynamic and engaging tournament designed to promote strategic thinking, teamwork, and a healthy competitive spirit.

Organized by the GUCC Virtual Gaming Society under the Green University Computer Club, the event featured a prize pool of up to 25,000 BDT and was held on the university campus. The competition was structured across multiple stages, creating excitement through both online and offline gameplay.

The event followed the schedule below:

- Registration Deadline: 17 February 2025
- Road to IDGC (Online): 20 February 2025
- Road to IDGC (Offline): 24 February 2025
- Knockouts & Qualifiers: 25 February 2025
- Final Gameday: 26 February 2025

A wide range of games was included to encourage participation from all types of gamers: **PC Games**

- Valorant
- EA FC 24

Mobile Games

- eFootball
- Call of Duty Mobile

Casual Games

- Table Tennis
- Ludo

- Chess

The competition saw overwhelming participation from over 100+ students representing multiple departments. Participants demonstrated impressive gaming skills and competitive spirit throughout the online qualifiers, offline stages, and grand final. The structured and fair tournament format ensured smooth management and exciting gameplay at every stage. Alongside intense esports matchups, the inclusion of casual games promoted fun interaction and friendly rivalry among departments.

In conclusion, IDGC 2025 was a grand success that highlighted the growing esports culture at Green University of Bangladesh. The event not only entertained but also strengthened inter-departmental bonding and encouraged students to engage in constructive extracurricular activities. With such a successful outcome, the Green University Computer Club (GUCC) reaffirmed its dedication to fostering innovation, collaboration, and digital excellence among students.

5.3 GUCC Executive Committee First Offline Meetup

The first offline meetup of the Executive Committee of the Green University Computer Club (GUCC) was successfully held on April 13, 2025, at the GUCC Office, Green University of Bangladesh. The session marked an important step toward strengthening teamwork, planning future activities, and fostering collaboration among the executive members.

The meetup was presided over by Mr. Md. Monirul Islam, Moderator of GUCC, and attended by Ms. Jaria Tasnim Tonvi and Mr. Montaser Abdul Quader, Deputy Moderators of GUCC, along with the active participation of all Executive Committee members.



Figure 5.2: GUCC Executive Committee

During the meetup, the members engaged in a detailed discussion on strategic planning and coordination for the CSE T10 Cricket Tournament – Season 2, one of the most anticipated events organized by GUCC. Responsibilities were assigned, work plans were outlined, and ideas were shared to ensure smooth execution of the tournament and future club activities. The session also emphasized team bonding, leadership roles, and promoting a vibrant club culture.

In conclusion, the first offline meetup of the GUCC Executive Committee was a success, laying a strong foundation for upcoming initiatives. The collective enthusiasm and dedication of the committee members reflected their commitment to advancing the club's mission. The session ended on a positive and energetic note, with a shared vision of making GUCC events more impactful and engaging for the university community.

5.4 Report on Pohela Boishakh Celebration 1432

Green University of Bangladesh celebrated Pohela Boishakh 1432, the Bengali New Year, with great enthusiasm and cultural pride on April 19, 2025, at the university campus. The day-long festival aimed to uphold Bengali heritage, promote unity, and embrace the vibrant colors of tradition. Students, fac-

ulty members, and guests actively participated to make the celebration a memorable one.



Figure 5.3: Pohela Boishakh Celebration 1432

The program began with a grand opening ceremony at 08:30 AM, followed by a series of engaging events. Participants enjoyed various sports competitions, a colorful Boishakhi rally, and traditional cultural performances that highlighted the essence of Bengali identity. Different university departments and clubs contributed to the festive charm through folk songs, dance, poetry recitations, and traditional exhibitions. The campus was beautifully decorated, while traditional food stalls offered a taste of authentic Bengali cuisine, enhancing the festive spirit.



Figure 5.4: Pohela Boishakh Celebration 1432

The Boishakhi rally was the main highlight, showcasing unity and patriotism as students and teachers marched together holding banners, festoons, and traditional items reflecting Bengali heritage. The

cultural segment featured outstanding performances by talented students, portraying the rich artistic spirit of Bangladesh.

The Pohela Boishakh Celebration 1432 at Green University of Bangladesh was a joyful and culturally enriching event. It successfully brought together the university community in a celebration of tradition, heritage, and harmony. The program concluded with a festive prize distribution ceremony, leaving participants with inspiration and a hopeful beginning to the Bengali New Year.

5.5 CSE T10 Cricket Tournament – Season 2

The Department of Computer Science and Engineering (CSE), Green University of Bangladesh, successfully organized the CSE T10 Cricket Tournament Season 2 from April 26 to April 29, 2025, at the university campus. The event was enthusiastically organized by the Green University Computer Club (GUCC) and hosted by the Department of CSE, aiming to foster teamwork, sportsmanship, and a healthy competitive spirit among students.

The tournament featured participation from students across different semesters, who registered online to form team squads. Over four days of exciting matches, the campus was filled with energy, cheers, and thrilling cricket action as teams competed passionately for victory. The release of team announcements, fixtures, and match schedules generated massive engagement and excitement both on and off the field.



Figure 5.5: CSE T10 Cricket Tournament 2025 Season 2

A special attraction of this season was the Women's Cricket Final, a remarkable initiative to encourage women's participation in university sports. The match was held on May 3, 2025, at 9:30 AM at Green University of Bangladesh.

Final Match: Howzat Hunnles VS Turf Twinkles

This memorable match highlighted the power, talent, and sportsmanship of the women cricketers of the CSE department. The initiative inspired inclusivity and motivated more female students to actively engage in co-curricular activities. The CSE T10 Cricket Tournament – Season 2 was more than just a sporting event—it was a celebration of unity, enthusiasm, and campus life. The dedication of the organizers, volunteers, players, and supporters made the event a grand success. It strengthened bonds within the CSE community and created unforgettable memories.

With the overwhelming response and excitement from participants and audience alike, the tournament is expected to return in the coming years even bigger, better, and more thrilling.

5.6 Unlock Your AI Journey with Agent X

The Green University Computer Club (GUCC) successfully organized an exclusive online session titled "Unlock Your AI Journey with Agent X" on Wednesday, 14 May 2025, at 9:00 PM via Zoom. The session aimed to help students explore the world of Artificial Intelligence (AI) and provide guidance on effectively starting and developing their careers in AI using the Agent X platform.

The session was conducted by Abdur Rahman Mamun, Head of Partnership, NetCom Learning Bangladesh, who shared his expertise on AI, including its fundamental concepts, real-world applications, and future career opportunities. He highlighted how Agent X can serve as a valuable tool for learners to enhance their AI knowledge and skills. The session encouraged active participation, interaction, and curiosity among attendees, making it both informative and motivating.



Figure 5.6: Banner of the Online Session "Unlock Your AI Journey with Agent X" organized by GUCC

The event was successfully coordinated by Md. Akramul Hoque, Joint Organizing Secretary of GUCC, managed participant queries and ensured smooth communication throughout the session.

The session provided students with a clear roadmap to begin their AI journey and inspired them to pursue further learning and development in this rapidly growing field.

5.7 CSE Freshers' Orientation – Summer 2025

The Green University Computer Club (GUCC) successfully organized the CSE Freshers' Orientation – Summer 2025 for the Department of Computer Science & Engineering. The program was held on 22 June 2025, starting at 12:00 PM, and warmly welcomed the new students to the CSE family through a structured schedule of speeches, introductions, and interactive sessions.

- Prof. Dr. Md. Ahsan Habib (Tareq), Director, Center for Continuing Education (CCE), GUB – Honorable Special Guest, delivered an encouraging speech to motivate students in both academic and personal growth.
- Prof. Dr. Md. Saiful Azad, Dean, FSE & Director, IQAC – Honorable Chief Guest, shared valuable advice on navigating university life and maximizing opportunities.

- Dr. Amjal Hinas, Distinguished Chief Guest from Sri Lanka, offered a global perspective on education and guided the shaping of students' academic journeys with purpose and discipline.
- Dr. Mohammad Amirur Rahman, Chairperson, Department of CSE, discussed the department's vision and ways students can align their efforts with industry needs.
- Md. Riad Hassan, Lecturer & Program Coordinator, Department of CSE, led the Freshers' Documents Presentation and Q&A session, addressing students' queries and guiding them through essential departmental processes.



Figure 5.7: CSE Freshers' Orientation: Summer 2025

The event featured distinguished guests who inspired and guided the freshers:

The orientation was coordinated by Tasmia Noor Tama and Md. Farhad, who ensured smooth flow throughout the program. The program included welcome speeches, faculty introductions, committee presentations, and mentorship insights, creating an environment filled with warmth, motivation, and community spirit. The event concluded with a group photo, symbolizing the beginning of the new academic journey for Batch 252.

The participation of faculty members, students, and the GUCC organizing team contributed to the resounding success of the Freshers' Orientation, leaving a positive and inspiring start for the newcomers in the CSE Department.

5.8 Seminar on “CodeCraft 101 – Beginner Programming Session with Kaykobad Sir”

The Green University Computer Club (GUCC), in collaboration with the GUCC Virtual Gaming Society, successfully organized the seminar “CodeCraft 101 – Beginner Programming Session with Kaykobad Sir” on 28 June 2025 from 09:00 AM to 10:30 AM at Room A-302 (Seminar Hall), Green University of Bangladesh. The seminar was primarily aimed at students, with a special focus on the Summer 2025

batch freshers, to introduce them to the fundamentals of programming and inspire logical thinking and consistent coding practice.



Figure 5.8: CodeCraft 101 – Beginner Programming Session

The session was conducted by **Prof. Dr. Mohammad Kaykobad**, Distinguished Professor, Department of CSE, BRAC University. He emphasized the importance of problem-solving skills, encouraged a disciplined coding routine, and engaged students through interactive questions. High-achieving participants and those providing correct answers were recognized and rewarded during the session. The event was graced by distinguished faculty members from the Department of CSE, including:

- **Dr. Muhammad Aminur Rahaman**, Chairperson, Department of CSE
- **Mr. Md. Monirul Islam**, Assistant Professor & Moderator, GUCC
- **Ms. Feroza Naznin**, Deputy Moderator, GUCC
- **Mr. Montaser Abdul Quader**, Deputy Moderator, GUCC
- **Mr. Syed Ahsanul Kabir**, Associate Professor & Associate Head (OBE)
- **Mr. Humayan Kabir Rana**, Senior Lecturer

Following the seminar, a Quiz Competition was held at 10:30 AM to reinforce the concepts discussed. The Top 20 scorers were awarded a 1-Year Premium Subscription to DataCamp, motivating students to further develop their programming and data science skills.

The program concluded with a group photo session and informal interactions between students and faculty. The seminar successfully engaged participants, inspired beginners, and provided practical insights into programming fundamentals.

The Green University Computer Club extends its sincere gratitude to the Department of CSE, distinguished speaker, faculty members, students, and the GUCC organizing team for their invaluable contributions to making this event a remarkable success.

5.9 GUCC Inauguration & Farewell Ceremony

The Green University Computer Club (GUCC), in collaboration with the GUCC Virtual Gaming Society (VGS), successfully organized the Inauguration and Farewell Ceremony on 28 June 2025 (Saturday). The event was held from 02:30 PM to 04:30 PM at A-302 (Seminar Hall), bringing together outgoing and newly elected committee members to celebrate GUCC's legacy and usher in new leadership. The program began with recitations from the Holy Quran and the Holy Gita, followed by a welcoming speech from the respected moderator, Md. Monirul Islam.

Ex-Committee Activity Video Documentary:

A special video presentation by Md. Montasir Rahman highlighted the remarkable contributions and achievements of the outgoing committee, reflecting on their dedication and impact on GUCC's growth.

Committee Handover Ceremony: A key moment of the event was the formal handover of responsibilities. Outgoing President Md. Montasir Rahman passed the leadership torch to the newly elected President, Md. Showaib Rahman Tanveer, marking a fresh start for GUCC with new ideas, aspirations, and a vision for innovation.

Token of Appreciation & Recognition: The newly formed GUCC Executive Committee 2025 received warm greetings, flowers, and gifts from respected guests. The outgoing GUCC Executive Committee 2023-24 members were honored with crests and certificates in recognition of their hard work and lasting contributions. Accolades were presented by Prof. Dr. Mohammad Sharif Uddin (Vice Chancellor), Dr. Muhammad Aminur Rahaman (Chairperson, CSE), Prof. Dr. Md. Ahsan Habib (Tareq, Director, CCE), Dr. Mohammad Delwar Hussain (Director, Student Affairs), and Md. Monirul Islam (Moderator, GUCC). **Speeches Delivered By:**

- Prof. Dr. Mohammad Sharif Uddin, Vice Chancellor, GUB
- Dr. Muhammad Aminur Rahaman, Chairperson, Dept. of CSE
- Prof. Dr. Md. Ahsan Habib (Tareq), Director, CCE, GUB
- Dr. Mohammad Delwar Hussain, Director, Student Affairs
- Md. Monirul Islam, Assistant Professor & Moderator, GUCC

Special Presence: The event was graced by Prof. Dr. Md. Saiful Azad, Dean, FSE, as a distinguished guest.

Official Website Launch: A proud moment of the program was the unveiling of the official GUCC website, creating a digital platform to showcase club activities, achievements, and announcements.

Website: <https://gucc.green.edu.bd/>

The program concluded with a group photo session, capturing the spirit of unity, enthusiasm, and excitement for the future of GUCC. Special appreciation was extended to anchors Riya Hasan and Shakib Hasan for their excellent coordination and seamless management of the event.

5.10 Webinar on Erasmus Mundus Scholarship

The Green University Computer Club (GUCC), in collaboration with the Erasmus Mundus Association – Bangladesh, successfully organized a webinar titled “A Road to Erasmus Mundus” on 19 July 2025 from 08:00 PM to 10:00 PM via Zoom. The session aimed to guide students on pursuing higher education in Europe through the prestigious Erasmus Mundus Scholarship program. The webinar was attended by over 140 students from various universities.

WEBINAR ON

Erasmus Mundus Association-Bangladesh Symposium Series 2025

A Road to Erasmus Mundus Joint Masters (EMJM) and Erasmus Mundus Scholarship

SADAD MAHAMUD
Country Representative-Bangladesh (EMA) / Research Engineer at Aalto University, Finland

REGISTER NOW!
SCAN ME! >>> [QR Code]

WALID HOSSAIN
Erasmus Scholar in Chemoinformatics and AI in Chemistry (2024-26) / University of Milan, Italy & University of Strasbourg, France

WHAT YOU'LL LEARN

- An introduction to Erasmus Mundus Scholarship
- An overview of the application process
- An overview of the Erasmus Mundus Scholarship
- An overview of the Erasmus Mundus Scholarship
- An overview of the Erasmus Mundus Scholarship
- An overview of the Erasmus Mundus Scholarship

DATE: 19 September 2025
TIME: 10:00 AM - 12:00 PM
PLATFORM: Zoom Meeting

SPONSORED BY: GREEN UNIVERSITY COMPUTER CLUB

Figure 3.9: Webinar on Erasmus Mundus Scholarship

The objective of the webinar was to provide students with a comprehensive understanding of the Erasmus Mundus Scholarship, including its application process, eligibility criteria, and strategies to secure a fully funded study opportunity in Europe.

The session featured distinguished keynote speakers:

- **Mr. Sadad Mahamud**, Country Representative – Bangladesh, Erasmus Mundus Association (EMA), and Research Engineer at Aalto University, Finland, shared his insights on leadership, research, and scholarship preparation.
- **Mr. Walid Hossain**, Erasmus Scholar in Chemoinformatics and AI in Chemistry (2024–26) at the University of Milan, Italy & University of Strasbourg, France, provided practical guidance on applying for Erasmus Mundus programs and shared his personal journey as an Erasmus scholar.

The webinar was chaired by Professor Dr. Md. Ahsan Habib, Professor and Chairperson, Department of Computer Science and Engineering (CSE), Green University of Bangladesh. He emphasized the importance of international exposure and higher education for Bangladeshi students, motivating them to pursue global learning opportunities.

The session included interactive segments where students actively participated in Q&A discussions with the speakers, gaining valuable advice and firsthand experiences about scholarship applications, documentation, and preparation strategies. The webinar successfully empowered students with authentic insights into international education and inspired them to pursue opportunities through the Erasmus Mundus Scholarship program.

5.11 University Activation Program 2025

The University Activation Program (UAP) 2025 was successfully organized at Green University of Bangladesh under the initiative of the IDEA Project, implemented by the Bangladesh Computer Council (BCC) under the ICT Division of the Government of Bangladesh. As part of the nationwide activation activities, the program was held on 19 September 2025, featuring a series of sessions aimed at inspiring

students toward innovation, entrepreneurship, and startup development.

The program included discussions on several important topics, including activities and opportunities under the IDEA Project, startup idea development, pitching and fundraising strategies, business model creation, and the step-by-step process of becoming an entrepreneur. These sessions were designed to provide students with practical insights into transforming innovative ideas into sustainable business ventures.

The program was graced by Mr. Md. Abu Saeed, Executive Director (Additional Responsibility), Bangladesh Computer Council, as the Chief Guest. Professor Dr. Khauza Iftakhar Uddin Ahmed, Pro-Vice Chancellor of Green University of Bangladesh, attended the program as the Special Guest. The presence of the GUCC Moderator, Deputy Moderator, and the Chairperson of the Department of Computer Science and Engineering (CSE) further enriched the event and made the sessions more engaging for the students.



Figure 5.10: Participants actively engaging in a question-and-answer session during the University Activation Program 2025 at Green University of Bangladesh.

The program featured several expert-led sessions designed to provide practical knowledge and entrepreneurial guidance. The Masterclass Session was conducted by Mr. Ashraf Hossain Sachin, Founder and CEO of Kinso Stores, where he shared real-world experiences and insights into startup development. The Pitch Deck and IDEA Pre-Seed Grant Session, conducted by Mr. Siddhartha Goswami, Senior Consultant of the IDEA Project, focused on effective pitching strategies and funding opportunities available for startups. The Expert Advisory Session, conducted by Mr. Md. Ashikul Islam, Consultant and Research Engineer of the IDEA Project, provided professional guidance on refining startup ideas and navigating early-stage entrepreneurial challenges.

The closing statement of the program was delivered by Professor Dr. Md. Ahsan Habib, Chairperson of the Department of Computer Science and Engineering (CSE), Green University of Bangladesh. He emphasized that the University Activation Program 2025 would play a significant role in encouraging young minds to engage in innovation, develop technology-driven initiatives, and contribute to the national startup ecosystem.

The program served as an important platform for fostering innovation, strengthening entrepreneurial mindset among students, and connecting academic learning with real-world startup opportunities.

5.12 Campaign of University Outreach for HackTheAI Promotion

The Green University Computer Club (GUCC) successfully organized a University Outreach Campaign on 09 and 10 September 2025 to promote the upcoming HackTheAI competition. The outreach covered eight reputed universities across Dhaka and Jashore, directly engaging students, faculty members, and

technical clubs to raise awareness and ensure strong participation in the event.



Figure 5.11: GUCC representatives conducting outreach at different universities for HackTheAI promotion.

The first day of the outreach campaign, held on 09 September 2025, included visits to United International University (UIU), Uttara University (UU), International University of Business Agriculture and Technology (IUBAT), and Northern University Bangladesh (NUB). On 10 September 2025, the GUCC team continued the campaign with visits to Jashore University of Science and Technology (JUST), Al-Sanullah University of Science and Technology (AUST), Southeast University (SEU), and Bangladesh University of Business and Technology (BUBT). During the visits, the GUCC representatives engaged with department heads, respected faculty members, and executive committees of student clubs. The discussions focused on HackTheAI, its objectives, and the significance of student participation. The GUCC team also highlighted the recent achievements of the Department of CSE, GUB, and shared the mission of GUCC to foster innovation and collaboration among the country's brightest tech talents. The initiative was met with a highly positive response. Faculty members, student club leaders, and officials at all institutions expressed strong support for HackTheAI and assured encouragement for their students to actively participate. They also appreciated GUCC's effort to connect and collaborate across universities in promoting technology-driven problem-solving.

The campaign successfully fulfilled its purpose by creating nationwide awareness, securing institutional support, and inspiring students to take part in HackTheAI. This outreach served as a significant milestone in the journey toward making HackTheAI a remarkable and impactful event.

5.13 Hackathon 101: What, Why & How

The Green University Computer Club (GUCC) successfully organized a workshop titled "Hackathon 101: What, Why, & How" on 11 September 2025, at 8:00 PM via the Zoom Platform. The event was well attended with 180 enthusiastic participants from different top universities, including BUET, RUET, DU, IUT, BRAC, and NSU.

This workshop was a highly engaging event that brought together champion hackathon competitors who shared their practical experiences, strategies, and insights. The session aimed to clarify the fundamentals of hackathons, provide effective preparation techniques, and showcase opportunities for students to thrive in competitive programming and innovation challenges.

We were honored to have three distinguished guest speakers:

Jahangir Hossain, Software Engineer, Maxit Inc., Champion of BUET CSE Fest 2024 and NASA Space Apps Dhaka 2024. Shawon Majid, Software Engineer, Voyage Mobile Inc., Champion of Code Samurai 2024 and 1st Runner-up of Visasoff AI Hackathon 2025. Md. Mehrajul Islam, Software Engineer, app-concept.com GmbH, Champion of Code Samurai 2024 and 1st Runner-up of Collaborative AI Hackathon 2024.



Figure 5.12: The banner of the workshop "Hackathon 101: What, Why & How."

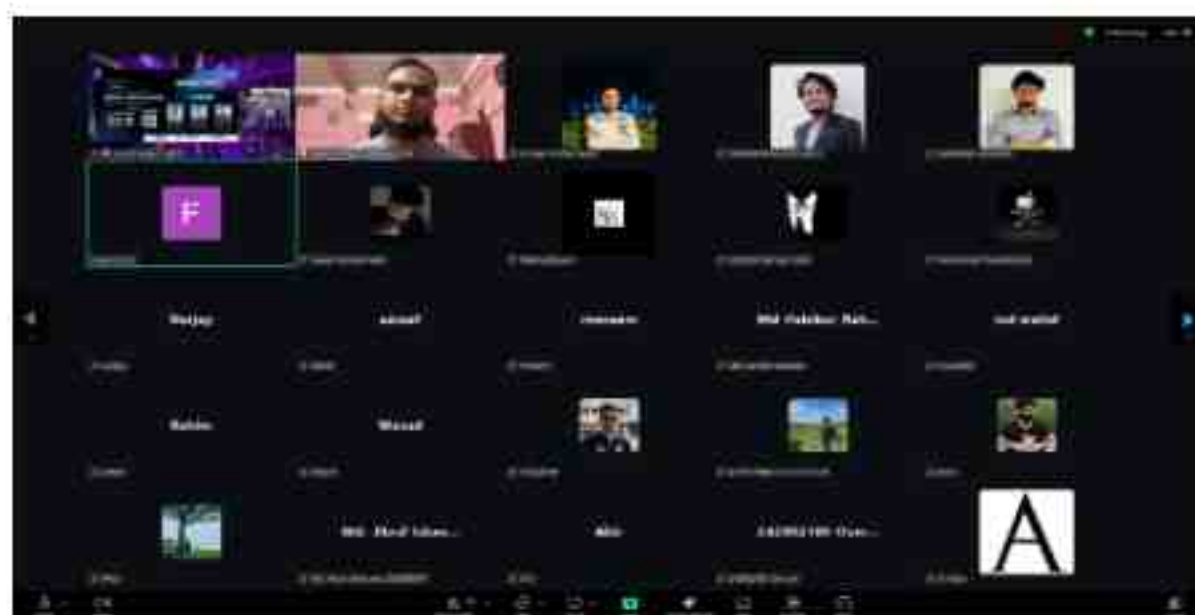


Figure 5.13: A glimpse of the participants during the Zoom session of the workshop.

The workshop explored multiple critical aspects: the fundamentals of hackathons, strategies for effective preparation, guidance on competition mastery through teamwork and innovation, and an opportunity showcase that introduced participants to global hackathon prospects. A special highlight was the preview of the upcoming HackTheAI competition, featuring a \$600+ prize pool and potential remote job offers from SnaythOS.

The event concluded successfully, leaving participants with actionable insights, motivation, and readiness for future hackathons. The workshop not only equipped attendees with the skills and strategies to excel in competitive environments but also inspired them to embrace innovation and entrepreneurship.

Finally, sincere thanks were extended to the distinguished guest speakers for their invaluable contributions and to all participants for their enthusiastic engagement, which made the workshop a resounding success.

5.14 HackTheAI Inauguration Ceremony

Organized by the Department of CSE, Green University of Bangladesh (GUB) and Green University Computer Club (GUCC), in association with GUCC Virtual Gaming Society and IEEE Computer Society Bangladesh Chapter, and powered by SmythOS (USA).

The HackTheAI Inauguration Ceremony was successfully held virtually on 22nd September 2025 at 9:00 PM via the Zoom platform. The event officially marked the beginning of the HackTheAI competition, inspiring students and tech enthusiasts to embark on an exciting journey of innovation, collaboration, and AI-driven problem-solving.

The inauguration was graced by distinguished international speakers from SmythOS (USA). Amber Graner, Head of Community at SmythOS, shared valuable insights into the role of community, innovation, and industry opportunities in driving future AI advancements. Alexander De Ridder, Co-Founder and CTO of SmythOS, delivered an inspiring talk on the technical future of AI and the vision of SmythOS in shaping next-generation technologies. The program was designed to encourage meaningful engagement. Following the keynote addresses, an interactive Q&A session provided participants with the unique opportunity to directly engage with the international speakers. Students and faculty members actively asked questions, clarified their queries, and explored ideas related to AI, innovation, and future collaboration opportunities with SmythOS.



Figure 5.14: The banner of the program "HackTheAI Inauguration Ceremony"

The event was chaired by faculty members of the Department of CSE, Green University of Bangladesh, and coordinated by the Green University Computer Club. The inauguration drew enthusiastic participation, bringing together a diverse group of students, faculty, and AI enthusiasts who shared a common

goal of exploring the potential of artificial intelligence in solving real-world challenges.

The ceremony concluded with the official launch of HackTheAI 2025, celebrating the start of a promising journey toward practical innovation and impactful technological exploration. The event not only motivated participants but also strengthened the collaboration between Green University of Bangladesh and SmythOS (USA) in promoting AI-driven research and development.

5.15 CSE Freshers Orientation Program - Fall 2025

The Green University Computer Club (GUCC), in collaboration with the Department of Computer Science & Engineering (CSE), Green University of Bangladesh (GUB), successfully organized the CSE Freshers' Orientation Program – Fall 2025 on 24 September 2025, from 12:00 PM to 1:30 PM at the GUB Multipurpose Hall. The event was designed to warmly welcome new students into the CSE family through a well-structured and engaging program.

The orientation began with recitations from the Holy Quran and Holy Gita, setting a spiritual tone for the session. This was followed by a departmental documentary and welcome remarks. Faculty introductions were shared through a video message, after which Prof. Dr. Md. Ahsan Habib (Tareq) inspired students to pursue both academic and professional excellence. An informative presentation and Q&A session on academic processes were conducted by Mr. Mahbubur Rahman, ensuring the new students were well-informed about departmental policies and guidelines. Participants were also introduced to the GUCC & VGS committees, the mentorship program, and various social initiatives, helping them gain insights into both academic and extracurricular opportunities.



Figure 5.15c: Banner of the program CSE Freshers Orientation Program - Fall 2025

The program featured a thought-provoking keynote address by Monjur Mohammad Shahriar, who spoke about entrepreneurship and innovation, motivating freshers to embrace technological leadership. The session concluded with an inspiring speech by the Chief Guest, Engr. Mohammad Ziaur Rahman, who highlighted the vast opportunities awaiting aspiring engineers in the era of the Fifth Industrial Revolution (5IR).



Figure 5.16: A group photo of the participants and honored guests of the orientation program.

We were honored by the presence and contributions of distinguished guests:

- Engr. Mohammad Ziaur Rahman – Additional Director (Grade-3), University Grants Commission of Bangladesh; Project Director, BDSET Project, Bangladesh Hi-Tech Park Authority, ICT Division. Chief Guest – Delivered an inspiring address on innovation and opportunities for future engineers.
- Monjur Mohammad Shahriz – Project Director, Digital Entrepreneurship and Innovation Ecosystem Development (DEIED) Project, Bangladesh Hi-Tech Park Authority, ICT Division. Keynote Speaker – Encouraged students to embrace entrepreneurship and technological leadership.
- Prof. Dr. Md. Ahsan Habib (Tareq) – Chairperson, Department of CSE, GUB. Session Chair – Shared the department’s vision and encouraged students to strive for excellence.

The program successfully created a welcoming environment for new students, offering them both guidance and inspiration as they embark on their academic journey at GUB.

5.16 Session on “Meet the Chairperson”

The Green University Computer Club (GUCC) and Visionary Girls in STEM (VGS) organized a productive “Meet the Chairperson” session on 04 November 2025 at Green University of Bangladesh. The session was attended by the Chairperson of the Department of Computer Science and Engineering (CSE), the Moderator of GUCC, faculty members, and active representatives from both GUCC and VGS. The primary objective of the meeting was to exchange ideas, discuss future plans, and strengthen coordination for upcoming club activities and initiatives.

The event began with welcoming remarks from the Chairperson, who emphasized the importance of student organizations in fostering leadership, technical excellence, and professional development. He highlighted the vital role of clubs in complementing academic learning through practical experiences, collaborative activities, and skill-building opportunities.

During the session, representatives from GUCC and VGS presented progress updates on their recent activities, achievements, and ongoing initiatives. Discussions focused on upcoming workshops, seminars, competitions, and collaborative programs aimed at enhancing student engagement and learning opportunities. Faculty members provided valuable suggestions on improving club operations, increasing student involvement, and ensuring the effective execution of planned events.



Figure 5.17: Discussion on Strategic Planning for Future Activities

A significant portion of the discussion was dedicated to strategic planning for future activities. Emphasis was placed on expanding training programs to support practical skill development, strengthening cooperation between faculty mentors and student committees, and designing innovative programs to encourage broader student participation. The session also addressed the challenges faced by student organizers, with constructive solutions proposed to improve coordination, resource management, and event implementation.



Figure 5.18: Faculty Members and Students on Meet the Chairperson Session

The meeting highlighted the importance of enhancing the roles of GUCC and VGS in promoting student leadership, technical competency, and community engagement. Participants were encouraged to foster a culture of creativity, professionalism, teamwork, and innovation through their future initiatives.

Overall, the “Meet the Chairperson” session served as an important platform for collaboration and strategic planning. The valuable guidance provided by the Chairperson, Moderator, and faculty

members offered clear direction for upcoming GUCC and VGS initiatives. The session concluded with a shared commitment to continue promoting quality learning experiences, leadership development, and active community engagement within the Department of Computer Science and Engineering.

5.17 Webinar Session on “Agents in Action!”

The Green University Computer Club (GUCC), in collaboration with SmythOS, organized an online webinar titled “Agents in Action!” on 05 November 2025 as part of the HackTheAI Inter-University Hackathon initiative. The session was held at 11:00 PM (UTC+6) via Zoom. The purpose of the webinar was to provide participants with insights into the operational strategies, collaborative efforts, and technological resources involved in successfully organizing and managing a large-scale inter-university hackathon.

The event began with an opening session delivered by representatives of GUCC and SmythOS, who highlighted the significance of teamwork, mentorship, and technological innovation in fostering a successful hackathon environment. The webinar brought together students, mentors, and technical agents who work behind the scenes to support, guide, and empower participants throughout the competition.

The session featured presentations from mentors who discussed effective team guidance, project development strategies, and the importance of mentorship in shaping successful project outcomes. Technical agents provided valuable insights into backend operations, task coordination, and the support mechanisms required to ensure the smooth execution of the competition. Their discussions offered participants a clear understanding of the critical yet often unseen roles that contribute to the successful management of such events.



Figure 5.19: “Agents in Action!” Webinar Session

A special segment of the webinar focused on the role of AI agents in modern hackathons. Speakers demonstrated how intelligent systems can enhance collaboration, streamline operational workflows, and improve overall event management. This discussion highlighted the growing importance of AI-driven solutions in organizing and supporting innovation-based competitions. The webinar also included a

student experience-sharing segment, where participants discussed the challenges they encountered, the lessons they learned, and the skills they developed throughout their hackathon journey. This was followed by an interactive question-and-answer session, allowing attendees to engage directly with the speakers and gain practical advice and deeper insights.

The session underscored SmythOS's role in enabling AI-driven hackathon experiences and recognized GUCC's valuable contribution in promoting student engagement and facilitating participation at the university level. Participants were encouraged to actively engage in future technological events, explore advanced AI tools, and leverage collaborative platforms to enhance their skills and innovation capabilities.

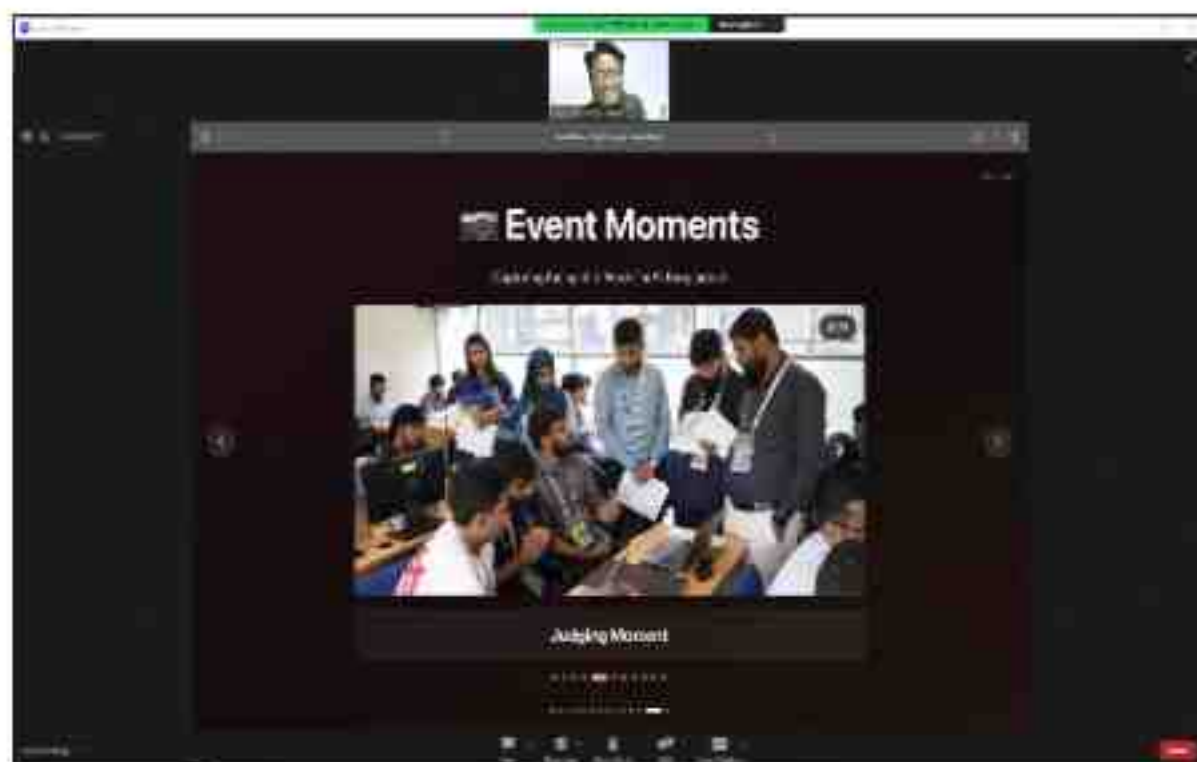


Figure 5.20: "Event Moments of "Agents in Action!" Webinar Session

Overall, the "Agents in Action!" webinar served as an insightful platform for understanding the behind-the-scenes efforts involved in organizing a successful hackathon. It reinforced the importance of strong collaboration among mentors, technical agents, organizers, and participants, while highlighting the vital partnership between academia and industry in fostering technological excellence, innovation, and student development.

5.18 GitHub is coming to GUB

The Green University Computer Club (GUCC), in collaboration with the Department of Computer Science and Engineering (CSE), Green University of Bangladesh, organized a seminar on 22 November 2025 at the Syndicate Hall (A-409), Green University of Bangladesh, from 10:00 AM to 12:00 PM. The seminar was designed to provide students with valuable insights into emerging technologies, including Artificial Intelligence, Cloud Native Computing, DevOps, and Mobile Application Development. The event aimed to inspire students, broaden their technical perspectives, and help them explore diverse career opportunities in the rapidly evolving technology landscape.



Figure 5.21: Group Photograph of the Speakers, Organizers, and Participants of the "GitHub is Coming to GUB" Seminar

The seminar featured four distinguished industry experts, each recognized for their exceptional contributions to their respective fields. Their presence provided participants with a unique opportunity to gain firsthand knowledge from accomplished professionals and thought leaders.

The first session was delivered by Shahriyar Al Mustakim Mitul, GitHub Campus Expert and Cursor Ambassador. He shared insightful perspectives on next-generation AI-powered developer tools, highlighting how artificial intelligence is transforming software development practices and enhancing developer productivity. His discussion emphasized the importance of adopting modern tools to remain competitive in the evolving software industry.



Figure 5.22: Presentation of a 'Token of Appreciation' to the Guest Speaker During the "GitHub is Coming to GUB" Seminar.

The second session was conducted by Jasim Alam, Lead DevOps Engineer, who introduced students

to the cloud-native ecosystem. He discussed the growing significance of DevOps practices, containerization, continuous integration and deployment, and the essential skills required to build a successful career in cloud-native technologies.

Arif Hossen, Chief Executive Officer of MetaHeed and CNCF Ambassador, delivered an engaging session on Cloud Native Computing Foundation (CNCf) technologies. Drawing from over 21 years of experience in cloud computing, cybersecurity, and distributed systems, he outlined the roadmap for entering the CNCf ecosystem. His session provided valuable guidance on industry trends, professional growth, and the opportunities available in cloud and infrastructure technologies.

6

Conducted/Presented/Attended at the conference/seminar/workshop and others

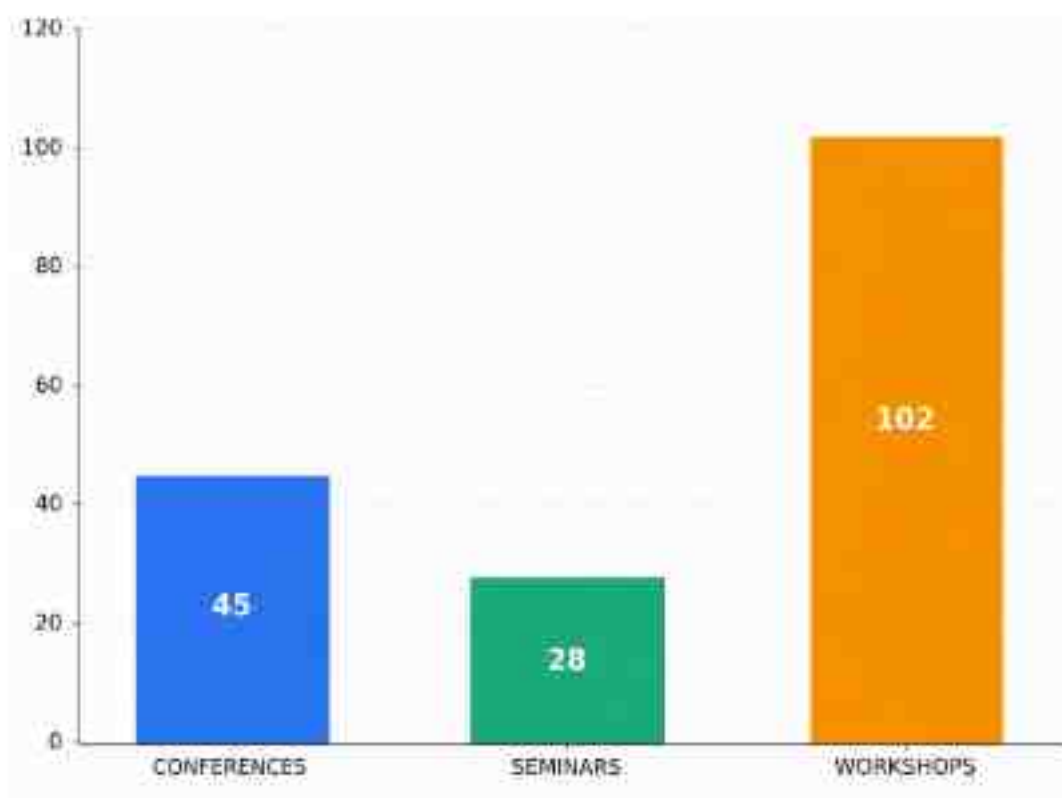


Figure 6.1: Summary of seminar, workshop, and conference of 2025

- Mr. Syed Ahsanul Kabir, attended a workshop on "Workshop on Writing ATF Sub-Project Proposal", organized by GUB in collaboration with the University Grants Commission (UGC) and the Institutional Quality Assurance Cell (IQAC), 02 January 2025
- Mr. Syed Ahsanul Kabir, attended a workshop on "Scientific Paper Writing: A Thumb Rule Approach", organized by the IEEE Computer Society Student Branch GUB and IEEE Student Branch GUB, 09 February 2025
- Mr. Syed Ahsanul Kabir, attended a workshop on "Hackathon on Leveraging Course Files for Continuous Quality Improvement", organized by Dept. CSE, GUB, 14 September 2025

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- Prof. Dr. Md Saiful Azad, attended a conference on IEEE 7th International Conference On Sustainable Technologies For Industry 5.0 (STI 2025), 2025
 - Prof. Dr. Md Saiful Azad, attended a conference on IEEE 3rd International Conference On Computing, Applications and Systems, 2025
 - Ms. Shamima Akter, organized a seminar on "Mentorship Matters: Strengthening Women's Voices and Opportunities", organized by Sexual Harassment Complaint Committee, GUB, 9 December 2025
 - Ms. Shamima Akter, attended a seminar on "From Draft to Publication: How to Write a Journal Manuscript", organized by IEEE CSE GUB, 11 October 2025
 - Ms. Shamima Akter, attended a seminar on "CSE Research Quest for Fall 2025", organized by Department of CSE, GUB, August 18, 2025
 - Ms. Shamima Akter, organized a workshop on "Women's Leadership in Teaching: Empowering Learners and Transforming Classroom", organized by Women's Empowerment Forum, GUB, 9 January 2025
 - Ms. Shamima Akter, attended a workshop on "Code of Conduct, Ethics and Moral for GUB", organized by Department of CSE, GUB, 11 August 2025
 - Ms. Shamima Akter, attended a hackathon on "Leveraging Course Files for Continuous Quality Improvement", organized by CQI Committee, Department of CSE, GUB, 14 September 2025
 - Ms. Shamima Akter, attended a workshop on "Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)", organized by Department of CSE, GUB, 05 October 2025
 - Ms. Shamima Akter, attended a workshop on "Program Outcome Cohort Checking for BAETE Accreditation", organized by BAETE Sub-Committee, Department of CSE, GUB, 18 October 2025
 - Ms. Shamima Akter, attended a workshop on "Advanced Java (Spring): Interactive Q&A Session with the Instructor", organized by Alumni Association, CSE, GUB, 27 September 2025
 - Ms. Shamima Akter, attended a workshop on "Mastering Final Year Thesis/Project Report Writing", organized by Department of CSE, GUB, 23 October 2025
 - Ms. Shamima Akter, organized a workshop on "Industrial Training Report Writing", organized by Department of CSE, GUB, 20 August 2025
 - Ms. Shamima Akter, attended a conference on IEEE 7th International Conference On Sustainable Technologies For Industry 5.0 (STI 2025), 2025
 - Md. Solaiman Mia, attended a seminar on "Research Quest", organized by Department of CSE, GUB, 18 August 2025
 - Md. Solaiman Mia, attended a photography workshop on "Basic Composition, Storytelling and Lighting for Portrait Photography" as a Special Guest, organized by Green University Photography Club (GUPC), 20 July 2025
 - Md. Solaiman Mia, attended a workshop on "Budget Allocation and Activity Plan 2025-2026" as an organizer, organized by Office of the Student Affairs, GUB, 29 July 2025
 - Md. Solaiman Mia, attended a workshop on "Code of Conduct, Ethics and Moral for GUB", organized by Department of CSE, GUB, 11 August 2025
 - Md. Solaiman Mia, attended a hackathon on "Leveraging Course Files for Continuous Quality Improvement", organized by CQI Committee, Department of CSE, GUB, 14 September 2025
 - Md. Solaiman Mia, attended a workshop on "Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)", organized by Department of CSE, GUB, 05 October 2025
 - Md. Solaiman Mia, attended a workshop on "Program Outcome Cohort Checking for BAETE Accreditation", organized by BAETE Sub-Committee, Department of CSE, GUB, 18 October 2025
 - Md. Solaiman Mia, attended a workshop on "Mental Wellbeing: Mastering Stress Relief for Peak Performance", organized by Office of the Student Affairs, GUB, 28 October 2025

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- Md. Solaiman Mia, attended a workshop on "Thesis/Project to Publication: Strategies for Turning Your Final-Year Thesis/Project into Research Papers" as a Keynote Speaker, organized by CRITS, GUB, 28 October 2025
 - Md. Solaiman Mia, attended a workshop on "Research Restart" as an Expert Researcher, organized by CRITS, GUB, 01 November 2025
 - Md. Solaiman Mia, attended a conference on International Conference on Quantum Photonics, Artificial Intelligence, and Networking (QPAIN), 2025
 - Md. Solaiman Mia, attended a conference on 3rd International Conference on Big Data, IoT, and Machine Learning (BIM 2025), 2025
 - Md. Solaiman Mia, attended a conference on IEEE International Conference on Biomedical Engineering, Computer and Information Technology for Health (BECITHCON), 2025
 - Md. Solaiman Mia, attended a conference on IEEE 7th International Conference On Sustainable Technologies For Industry 5.0 (STI 2025), 2025
 - Md. Solaiman Mia, attended a conference on International Conference on Intelligent Data Analysis and Applications (IDAA 2025), 2025
 - Md. Solaiman Mia, attended a conference on 28th International Conference on Computer and Information Technology (ICCIT), 2025
 - Md. Solaiman Mia, attended a conference on IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE), 2025
 - Ms. Shamima Islam, attended a workshop on "Code of Conduct, Ethics and Moral for GUB", organized by Department of CSE, GUB, 11 August 2025
 - Ms. Shamima Islam, attended a hackathon on "Leveraging Course Files for Continuous Quality Improvement", organized by CQI Committee, Department of CSE, GUB, 14 September 2025
 - Ms. Shamima Islam, attended a workshop on "Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)", organized by Department of CSE, GUB, 05 October 2025
 - Ms. Shamima Islam, attended a conference on IEEE 7th International Conference On Sustainable Technologies For Industry 5.0 (STI 2025), 2025
 - Ms. Farhana Akter Sunny, attended a seminar on "Research Quest", organized by Department of CSE, GUB, 18 August 2025
 - Ms. Farhana Akter Sunny, attended a workshop on "Code of Conduct, Ethics and Moral for GUB", organized by Department of CSE, GUB, 11 August 2025
 - Ms. Farhana Akter Sunny, attended a hackathon on "Leveraging Course Files for Continuous Quality Improvement", organized by CQI Committee, Department of CSE, GUB, 14 September 2025
 - Ms. Farhana Akter Sunny, attended a workshop on "Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)", organized by Department of CSE, GUB, 05 October 2025
 - Ms. Farhana Akter Sunny, attended a workshop on "Thesis/Project to Publication: Strategies for Turning Your Final-Year Thesis/Project into Research Papers" as an organizer, organized by CRITS, GUB, 28 October 2025
 - Ms. Farhana Akter Sunny, attended a workshop on "Research Restart" as an organizer, organized by CRITS, GUB, 01 November 2025
 - Ms. Farhana Akter Sunny, attended a conference on 2025 2nd International Conference on Next-Generation Computing, IoT and Machine Learning (NCIM), Gazipur, Bangladesh, 2025
 - Mr. Md. Robiul Islam, attended a seminar on "Research Quest", organized by Department of CSE, GUB, 18 August 2025
 - Mr. Md. Robiul Islam, attended a workshop on "Code of Conduct, Ethics and Moral for GUB", organized by Department of CSE, GUB, 11 August 2025
 - Mr. Md. Robiul Islam, attended a hackathon on "Leveraging Course Files for Continuous Quality Improvement", organized by CQI Committee, Department of CSE, GUB, 14 September 2025
 - Ms. Sharmin Alam, attended a workshop on "Code of Conduct, Ethics and Moral for GUB", organized by Department of CSE, GUB, 11 August 2025

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- Ms. Sharmin Alam, attended a hackathon on "Leveraging Course Files for Continuous Quality Improvement", organized by CQI Committee, Department of CSE, GUB, 14 September 2025
 - Ms. Sharmin Alam, attended a conference on IEEE 7th International Conference On Sustainable Technologies For Industry 5.0 (STI 2025), 2025
 - Mr. Humayan Kabir Rana, attended a seminar on "CSE Research Quest for Fall 2025", organized by Department of CSE, GUB, August 18, 2025
 - Mr. Humayan Kabir Rana, attended a seminar on "How to Write a Journal Manuscript: From Draft to Publication", organized by IEEE Student Branch GUB and co-organized by the IEEE Computer Society SBC GUB and IEEE PES GUB SBC, 11 October 2025
 - Mr. Humayan Kabir Rana, attended a workshop on "Code of Conduct, Ethics and Moral for GUB", organized by Department of CSE, GUB, 11 August 2025
 - Mr. Humayan Kabir Rana, attended a hackathon on "Leveraging Course Files for Continuous Quality Improvement", organized by CQI Committee, Department of CSE, GUB, 14 September 2025
 - Mr. Humayan Kabir Rana, attended a workshop on "Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)", organized by Department of CSE, GUB, 05 October 2025
 - Ms. Samiha Islam Tanni, attended a workshop on "Code of Conduct, Ethics and Moral for GUB", organized by Department of CSE, GUB, 11 August 2025
 - Ms. Samiha Islam Tanni, attended a hackathon on "Leveraging Course Files for Continuous Quality Improvement", organized by CQI Committee, Department of CSE, GUB, 14 September 2025
 - Ms. Samiha Islam Tanni, attended a workshop on "Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)", organized by Department of CSE, GUB, 05 October 2025
 - Ms. Samiha Islam Tanni, attended a workshop on "Budget Allocation and Activity Plan 2025-2026" as an organizer, organized by Office of the Student Affairs, GUB, 29 July 2025
 - Ms. Samiha Islam Tanni, attended a conference on IEEE 7th International Conference On Sustainable Technologies For Industry 5.0 (STI 2025), 2025
 - Ms. Babe Sultana, attended a seminar on "Work in Japan: Shape Your Future!", organized by the IEEE Computer Society Student Branch Chapter, GUB and co-organized by the IEEE Student Branch, GUB, 20 October 2025
 - Ms. Babe Sultana, attended a seminar on "How to Write a Journal Manuscript: From Draft to Publication", organized by IEEE Student Branch GUB and co-organized by the IEEE Computer Society SBC GUB and IEEE PES GUB SBC, 11 October 2025
 - Ms. Babe Sultana, attended a workshop on "Code of Conduct, Ethics and Moral for GUB", organized by Department of CSE, GUB, 11 August 2025
 - Ms. Babe Sultana, attended a hackathon on "Leveraging Course Files for Continuous Quality Improvement", organized by CQI Committee, Department of CSE, GUB, 14 September 2025
 - Ms. Babe Sultana, attended a workshop on "Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)", organized by Department of CSE, GUB, 05 October 2025
 - Ms. Babe Sultana, attended a conference on International Conference on Quantum Photonics, Artificial Intelligence, and Networking (QPAIN), 2025
 - Ms. Babe Sultana, attended a conference on 3rd International Conference on Big Data, IoT, and Machine Learning (BIM 2025), 2025
 - Ms. Babe Sultana, attended a conference on IEEE 7th International Conference On Sustainable Technologies For Industry 5.0 (STI 2025), 2025
 - Ms. Umme Habiba, attended a seminar on "CSE Research Quest for Fall 2025", organized by Department of CSE, GUB, August 18, 2025
 - Ms. Umme Habiba, attended a workshop on "Code of Conduct, Ethics, and Morals for GUB", organized by the Department of CSE, GUB, 11 August 2025

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- Ms. Umme Habiba, attended a hackathon on “Leveraging Course Files for Continuous Quality Improvement”, organized by the CQI Committee, Department of CSE, GUB, 14 September 2025
 - Ms. Umme Habiba, attended a workshop on “Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)”, organized by the Department of CSE, GUB, 05 October 2025
 - Ms. Umme Habiba, attended a workshop on “Thesis/Project to Publication: Strategies for Turning Your Final-Year Thesis/Project into Research Papers” as a Keynote Speaker, organized by CRITS, GUB, 28 October 2025
 - Ms. Umme Habiba, attended a conference on IEEE 7th International Conference On Sustainable Technologies For Industry 5.0 (STI 2025), 2025
 - Ms. Rokeya Khatun, attended a seminar on “CSE Research Quest for Fall 2025”, organized by Department of CSE, GUB, August 18, 2025
 - Ms. Rokeya Khatun, attended a workshop on “Code of Conduct, Ethics, and Morals for GUB”, organized by the Department of CSE, GUB, 11 August 2025
 - Ms. Rokeya Khatun, attended a hackathon on “Leveraging Course Files for Continuous Quality Improvement”, organized by the CQI Committee, Department of CSE, GUB, 14 September 2025
 - Ms. Rokeya Khatun, attended a workshop on “Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)”, organized by the Department of CSE, GUB, 05 October 2025
 - Ms. Rokeya Khatun, attended a workshop on “Thesis/Project to Publication: Strategies for Turning Your Final-Year Thesis/Project into Research Papers” as a Keynote Speaker, organized by CRITS, GUB, 28 October 2025
 - Ms. Rokeya Khatun, attended a conference on IEEE 7th International Conference On Sustainable Technologies For Industry 5.0 (STI 2025), 2025
 - Ms. Tanpia Tasnim, attended a seminar on “Artificial Intelligence Applications in Healthcare: Opportunities and Challenges”, organized by the Mentorship Program, July 9, 2025
 - Ms. Tanpia Tasnim, attended a seminar on “CSE Research Quest for Fall 2025”, organized by Department of CSE, GUB, August 18, 2025
 - Ms. Tanpia Tasnim, attended a workshop on “BDResNET: A Requirement Analysis for Developing a Nationwide Automated Researcher Profiling Platform”, organized by GUB HEAT Sub-project, December 11–12, 2025
 - Ms. Tanpia Tasnim, attended a workshop on “Scientific Paper Writing: A Thumb Rule Approach”, organized by IEEE SB GUB and IEEE Computer Society Student Branch Chapter GUB, February 9, 2025
 - Ms. Tanpia Tasnim, attended a workshop on “Code of Conduct, Ethics, and Moral for GUB”, organized by the Department of CSE, GUB, 11 August 2025
 - Ms. Tanpia Tasnim, attended a hackathon on “Leveraging Course Files for Continuous Quality Improvement”, organized by the CQI Committee, Department of CSE, GUB, 14 September 2025
 - Ms. Tanpia Tasnim, attended a workshop on “Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)”, organized by the Department of CSE, GUB, 05 October 2025
 - Ms. Tanpia Tasnim, attended a conference on IEEE 7th International Conference On Sustainable Technologies For Industry 5.0 (STI 2025), 2025
 - Ms. Feroza Naznin, attended a seminar on “Towards Data-Efficient and Interpretable Computer Vision: Advances in Few-Shot Learning and Explainable AI”, organized by IEEE Computer Society Student Branch Chapter, GUB, 10 August 2025
 - Ms. Feroza Naznin, attended a seminar on “How to Write a Journal Manuscript: From Draft to Publication”, organized by IEEE Student Branch GUB and co-organized by the IEEE Computer Society SBC GUB and IEEE PES GUB SBC, 11 October 2025
 - Ms. Feroza Naznin, attended a workshop on “BDResNET: A Requirement Analysis for Developing a Nationwide Automated Researcher Profiling Platform”, organized by GUB HEAT Sub-project, December 11–12, 2025

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 - Ms. Feroza Naznin, attended a workshop on "Code of Conduct, Ethics, and Moral for GUB", organized by the Department of CSE, GUB, 11 August 2025
 - Ms. Feroza Naznin, attended a hackathon on "Leveraging Course Files for Continuous Quality Improvement", organized by the CQI Committee, Department of CSE, GUB, 14 September 2025
 - Ms. Feroza Naznin, attended a workshop on "Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)", organized by the Department of CSE, GUB, 05 October 2025
 - Ms. Feroza Naznin, attended a 3-Day workshop on "Introduction to the Inclusive Education Toolkit: Supporting disadvantaged, and excluded individuals and communities in Bangladesh", organized by the British Council's Transnational Education (TNE) initiative as part of the project "Generative AI for Good", 22-24 June 2025
 - Ms. Feroza Naznin, attended a workshop on "Co-creation of guidelines on the ethical use of GenAI to support HE and TVET students in Bangladesh", organized by the British Council's Transnational Education (TNE), 09 December 2025
 - Ms. Feroza Naznin, attended a conference on IEEE 7th International Conference On Sustainable Technologies For Industry 5.0 (STI 2025), 2025
 - Ms. Feroza Naznin, attended a conference on IEEE 2nd International Conference On Computing, Applications and Systems (COMPAS 2025), Islamic University Kushtia, Bangladesh, 23-24 October 2025
 - Md. Atikuzzaman, attended a seminar on "Towards Data-Efficient and Interpretable Computer Vision: Advances in Few-Shot Learning and Explainable AI", organized by IEEE Computer Society Student Branch Chapter, GUB, 10 August 2025
 - Md. Atikuzzaman, attended a seminar on "How to Write a Journal Manuscript: From Draft to Publication", organized by IEEE Student Branch GUB and co-organized by the IEEE Computer Society SBC GUB and IEEE PES GUB SBC, 11 October 2025
 - Md. Atikuzzaman, attended a workshop on "Code of Conduct, Ethics and Moral for GUB", organized by Department of CSE, GUB, 11 August 2025
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 - Md. Atikuzzaman, attended a workshop on "Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)", organized by Department of CSE, GUB, 05 October 2025
 - Md. Atikuzzaman, attended a conference on IEEE 7th International Conference On Sustainable Technologies For Industry 5.0 (STI 2025), 2025
 - Md. Parvez Hossain, attended a seminar on "CSE Research Quest for Fall 2025", organized by Department of CSE, GUB, August 18, 2025
 - Md. Parvez Hossain, attended a hackathon on "Leveraging Course Files for Continuous Quality Improvement", organized by CQI Committee, Department of CSE, GUB, 14 September 2025
 - Md. Parvez Hossain, attended a workshop on "Code of Conduct, Ethics and Moral for GUB", organized by Department of CSE, GUB, 11 August 2025
 - Md. Parvez Hossain, attended a workshop on "Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)", organized by Department of CSE, GUB, 05 October 2025
 - Md. Parvez Hossain, attended a conference on IEEE 7th International Conference On Sustainable Technologies For Industry 5.0 (STI 2025), 2025
 - Md. Riad Hassan, attended a hackathon on "Leveraging Course Files for Continuous Quality Improvement", organized by CQI Committee, Department of CSE, GUB, 14 September 2025
 - Md. Riad Hassan, attended a workshop on "Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)", organized by Department of CSE, GUB, 05 October 2025

- Ms. Fatema Akter, attended a workshop on “Code of Conduct, Ethics and Moral for GUB”, organized by Department of CSE, GUB, 11 August 2025
- Ms. Fatema Akter, attended a hackathon on “Leveraging Course Files for Continuous Quality Improvement”, organized by CQI Committee, Department of CSE, GUB, 14 September 2025
- Ms. Fatema Akter, attended a workshop on “Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)”, organized by Department of CSE, GUB, 05 October 2025
- Ms. Fatema Akter, attended a conference on IEEE 7th International Conference On Sustainable Technologies For Industry 5.0 (STI 2025), 2025
- Mr. Mozdaber Abdul Quader, attended a workshop on “Code of Conduct, Ethics and Moral for GUB”, organized by Department of CSE, GUB, 11 August 2025
- Mr. Mozdaber Abdul Quader, attended a hackathon on “Leveraging Course Files for Continuous Quality Improvement”, organized by CQI Committee, Department of CSE, GUB, 14 September 2025
- Mr. Mozdaber Abdul Quader, attended a workshop on “Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)”, organized by Department of CSE, GUB, 05 October 2025
- Mr. Mozdaber Abdul Quader, attended a workshop on “Program Outcome Cohort Checking for BAETE Accreditation”, organized by BAETE Sub-Committee, Department of CSE, GUB, 18 October 2025
- Mr. Mozdaber Abdul Quader, attended a workshop on “Thesis/Project to Publication: Strategies for Turning Your Final-Year Thesis/Project into Research Papers” as a Keynote Speaker, organized by CRITS, GUB, 28 October 2025
- Mr. Mozdaber Abdul Quader, attended a conference on IEEE 7th International Conference On Sustainable Technologies For Industry 5.0 (STI 2025), 2025
- Mr. Md. Rajibul Palas, attended a workshop on “Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)”, organized by Department of CSE, GUB, 05 October 2025
- Mr. Md. Rajibul Palas, attended a workshop on “Program Outcome Cohort Checking for BAETE Accreditation”, organized by BAETE Sub-Committee, Department of CSE, GUB, 18 October 2025
- Mr. Md. Rajibul Palas, attended a workshop on “Thesis/Project to Publication: Strategies for Turning Your Final-Year Thesis/Project into Research Papers” as a Keynote Speaker, organized by CRITS, GUB, 28 October 2025
- Mr. Md. Rajibul Palas, attended a conference on 2025 IEEE International Conference on Quantum Photonics, Artificial Intelligence, and Networking, 2 August 2025
- Ms. Jarin Tasnim Tonvi, attended a seminar on “CSE Research Quest for Fall 2025”, organized by Department of CSE, GUB, August 18, 2025
- Ms. Jarin Tasnim Tonvi, attended a workshop on “Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)”, organized by Department of CSE, GUB, 05 October 2025
- Ms. Jarin Tasnim Tonvi, attended a workshop on “Program Outcome Cohort Checking for BAETE Accreditation”, organized by BAETE Sub-Committee, Department of CSE, GUB, 18 October 2025
- Ms. Jarin Tasnim Tonvi, attended a workshop on “Thesis/Project to Publication: Strategies for Turning Your Final-Year Thesis/Project into Research Papers” as a Keynote Speaker, organized by CRITS, GUB, 28 October 2025
- Ms. Jarin Tasnim Tonvi, attended a conference on IEEE 7th International Conference On Sustainable Technologies For Industry 5.0 (STI 2025), 2025
- Mr. Mahbubur Rahman, attended a workshop on “Scientific Paper Writing: A Thumb Rule Approach”, organized by IEEE SB GUB and IEEE Computer Society Student Branch Chapter GUB, February 9, 2025
- Mr. Mahbubur Rahman, attended a workshop on “Code of Conduct, Ethics and Moral for GUB”, organized by the Department of CSE, GUB, 11 August 2025

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- Mr. Mahbubur Rahman, attended a hackathon on "Leveraging Course Files for Continuous Quality Improvement", organized by the CQI Committee, Department of CSE, GUB, 14 September 2025
 - Mr. Mahbubur Rahman, attended a workshop on "Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP) and Complex Engineering Activities (CEA)", organized by the Department of CSE, GUB, 05 October 2025
 - Ms. Sagufta Sabah Nakshi, attended a seminar on "CSE Research Quest for Fall 2025", organized by Department of CSE, GUB, August 18, 2025
 - Ms. Sagufta Sabah Nakshi, attended a workshop on "Code of Conduct, Ethics, and Morals for GUB", organized by the Department of CSE, GUB, 11 August 2025
 - Ms. Sagufta Sabah Nakshi, attended a hackathon on "Leveraging Course Files for Continuous Quality Improvement", organized by the CQI Committee, Department of CSE, GUB, 14 September 2025
 - Ms. Sagufta Sabah Nakshi, attended a workshop on "Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)", organized by the Department of CSE, GUB, 05 October 2025
 - Ms. Sagufta Sabah Nakshi, attended a workshop on "Thesis/Project to Publication: Strategies for Turning Your Final-Year Thesis/Project into Research Papers" as a Keynote Speaker, organized by CRITS, GUB, 28 October 2025
 - Ms. Sagufta Sabah Nakshi, attended a workshop on "Program Outcome Cohort Checking for BAETE Accreditation", organized by Department of CSE, GUB
 - Ms. Sagufta Sabah Nakshi, attended a conference on IEEE 7th International Conference On Sustainable Technologies For Industry 5.0 (STI 2025), 2025
 - Ms. Sagufta Sabah Nakshi, attended a conference on 28th International Conference on Computer and Information Technology (ICCIT), 2025
 - Ms. Abida Sultana, attended a workshop on "Code of Conduct, Ethics, and Morals for GUB", organized by the Department of CSE, GUB, 11 August 2025
 - Ms. Abida Sultana, attended a hackathon on "Leveraging Course Files for Continuous Quality Improvement", organized by the CQI Committee, Department of CSE, GUB, 14 September 2025
 - Ms. Abida Sultana, attended a workshop on "Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)", organized by the Department of CSE, GUB, 05 October 2025
 - Ms. Abida Sultana, attended a workshop on "Thesis/Project to Publication: Strategies for Turning Your Final-Year Thesis/Project into Research Papers" as a Keynote Speaker, organized by CRITS, GUB, 28 October 2025
 - Ms. Abida Sultana, attended a conference on IEEE 7th International Conference On Sustainable Technologies For Industry 5.0 (STI 2025), 2025
 - Mr. Montaser Abdul Quader, attended a workshop on "Code of Conduct, Ethics and Moral for GUB", organized by Department of CSE, GUB, 11 August 2025
 - Mr. Montaser Abdul Quader, attended a hackathon on "Leveraging Course Files for Continuous Quality Improvement", organized by CQI Committee, Department of CSE, GUB, 14 September 2025
 - Mr. Montaser Abdul Quader, attended a workshop on "Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)", organized by Department of CSE, GUB, 05 October 2025
 - Mr. Montaser Abdul Quader, attended a workshop on "Program Outcome Cohort Checking for BAETE Accreditation", organized by BAETE Sub-Committee, Department of CSE, GUB, 18 October 2025
 - Mr. Montaser Abdul Quader, attended a workshop on "Thesis/Project to Publication: Strategies for Turning Your Final-Year Thesis/Project into Research Papers" as a Keynote Speaker, organized by CRITS, GUB, 28 October 2025
 - Mr. Montaser Abdul Quader, attended a conference on IEEE 7th International Conference On Sustainable Technologies For Industry 5.0 (STI 2025), 2025

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- Md. Zahidul Hasan, attended a seminar on “CSE Research Quest for Fall 2025”, organized by Department of CSE, GUB, August 18, 2025
 - Md. Zahidul Hasan, attended a workshop on “Code of Conduct, Ethics and Moral for GUB”, organized by Department of CSE, GUB, 11 August 2025
 - Md. Zahidul Hasan, attended a hackathon on “Leveraging Course Files for Continuous Quality Improvement”, organized by CQI Committee, Department of CSE, GUB, 14 September 2025
 - Md. Zahidul Hasan, attended a conference on IEEE 7th International Conference On Sustainable Technologies For Industry 5.0 (STI 2025), 2025
 - Mr. Shoab Alam, attended a seminar on “Research Quest”, organized by Department of CSE, GUB, 18 August 2025
 - Mr. Shoab Alam, attended a workshop on “Code of Conduct, Ethics and Moral for GUB”, organized by Department of CSE, GUB, 11 August 2025
 - Mr. Shoab Alam, attended a hackathon on “Leveraging Course Files for Continuous Quality Improvement”, organized by CQI Committee, Department of CSE, GUB, 14 September 2025
 - Mr. Shoab Alam, attended a workshop on “Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)”, organized by Department of CSE, GUB, 05 October 2025
 - Mr. Shoab Alam, attended a workshop on “Program Outcome Cohort Checking for BAETE Accreditation”, organized by BAETE Sub-Committee, Department of CSE, GUB, 18 October 2025
 - Mr. Shoab Alam, attended a workshop on “Thesis/Project to Publication: Strategies for Turning Your Final-Year Thesis/Project into Research Papers” as a Keynote Speaker, organized by CRITS, GUB, 28 October 2025
 - Mr. Shoab Alam, attended a conference on IEEE 7th International Conference On Sustainable Technologies For Industry 5.0 (STI 2025), 2025
 - Md. Sabbir Hosen Mamun, attended a seminar on “CSE Research Quest for Fall 2025”, organized by Department of CSE, GUB, August 18, 2025
 - Md. Sabbir Hosen Mamun, attended a workshop on “Code of Conduct, Ethics and Moral for GUB”, organized by Department of CSE, GUB, 11 August 2025
 - Md. Sabbir Hosen Mamun, attended a hackathon on “Leveraging Course Files for Continuous Quality Improvement”, organized by CQI Committee, Department of CSE, GUB, 14 September 2025
 - Md. Sabbir Hosen Mamun, attended a workshop on “Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)”, organized by Department of CSE, GUB, 05 October 2025
 - Md. Sabbir Hosen Mamun, attended a conference on IEEE 7th International Conference On Sustainable Technologies For Industry 5.0 (STI 2025), 2025
 - Mr. Sharifur Rahman, attended a workshop on “Code of Conduct, Ethics, and Morals for GUB”, organized by the Department of CSE, GUB, 11 August 2025
 - Mr. Sharifur Rahman, attended a hackathon on “Leveraging Course Files for Continuous Quality Improvement”, organized by the CQI Committee, Department of CSE, GUB, 14 September 2025
 - Mr. Sharifur Rahman, attended a workshop on “Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)”, organized by the Department of CSE, GUB, 05 October 2025
 - Mr. Sharifur Rahman, attended a workshop on “Thesis/Project to Publication: Strategies for Turning Your Final-Year Thesis/Project into Research Papers” as a Keynote Speaker, organized by CRITS, GUB, 28 October 2025
 - Mr. Sharifur Rahman, attended a conference on IEEE 7th International Conference On Sustainable Technologies For Industry 5.0 (STI 2025), 2025
 - Mr. Sharifur Rahman, attended a conference on International Conference on Intelligent Data Analysis and Applications (IDAA 2025), Daffodil International University, Dhaka, 12–13 December 2025

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- Md. Ataulha, attended a seminar on "CSE Research Quest for Fall 2025", organized by Department of CSE, GUB, August 18, 2025
 - Md. Ataulha, attended a workshop on "Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)", organized by the Department of CSE, GUB, 05 October 2025
 - Md. Ataulha, attended a workshop on "Thesis/Project to Publication: Strategies for Turning Your Final-Year Thesis/Project into Research Papers" as a Keynote Speaker, organized by CRITS, GUB, 28 October 2025
 - Ms. Jannathul Maowa Hasi, attended a seminar on International Congress on Artificial Intelligence (ICAI) 2025, organized by BUBT, Online, 6-7 September 2025
 - Ms. Jannathul Maowa Hasi, attended a workshop on "Code of Conduct, Ethics, and Morality", GUB (A-302), 14 August 2025
 - Ms. Jannathul Maowa Hasi, attended a workshop on "Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)", Online (GUB), 5 October 2025
 - Ms. Jannathul Maowa Hasi, attended a conference on International Conference on Computer and Information Technology (ICCIT) 2025, Long Beach Hotel, Cox's Bazar, Bangladesh, December 19-21, 2025
 - Ms. Jannathul Maowa Hasi, attended a conference on International Conference on Intelligent Data Analysis and Applications (IDAA 2025), Daffodil International University, Dhaka, 12-13 December 2025
 - Ms. Jannathul Maowa Hasi, attended a conference on 2025 IEEE 7th International Conference On Sustainable Technologies For Industry 5.0 (STI 2025), Green University of Bangladesh, 11-12 December 2025
 - Ms. Jannathul Maowa Hasi, attended a conference on 2025 IEEE International Conference on Quantum Photonics, Artificial Intelligence, and Networking, Bangladesh Army University of Science and Technology (BAUST), Saidpur, Nilphamari, Rangpur Division, Bangladesh, 31 July - 2 August 2025
 - Ms. Samia Rahman, attended a workshop on "Thesis/Project to Publication: Strategies for Turning Your Final-Year Thesis/Project into Research Papers" as a Keynote Speaker, organized by CRITS, GUB, 28 October 2025
 - Ms. Samia Rahman, attended a conference on 28th International Conference on Computer and Information Technology (ICCIT), 2025
 - Ms. Mayeesha Farjana, attended a seminar on "Work in Japan: Shape Your Future!", organized by the IEEE Computer Society Student Branch Chapter, GUB and co-organized by the IEEE Student Branch, GUB, 20 October 2025
 - Ms. Mayeesha Farjana, attended a workshop on "Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)", Online (GUB), 5 October 2025
 - Ms. Mayeesha Farjana, attended a workshop on "Thesis/Project to Publication: Strategies for Turning Your Final-Year Thesis/Project into Research Papers", organized by CRITS, GUB, 28 October 2025
 - Ms. Mayeesha Farjana, attended a hackathon on "Leveraging Course Files for Continuous Quality Improvement", organized by the CQI Committee, Department of CSE, GUB, 14 September 2025
 - Ms. Mayeesha Farjana, attended a workshop on "Phase 1: Certificate in Teaching and Learning at GUB - A Step towards Quality and Excellence", 15-16 September 2025
 - Ms. Mayeesha Farjana, attended a conference on International Conference on Quantum Photonics, Artificial Intelligence, and Networking (QPAIN), 2025
 - Mr. Abdullah Al Farhad, attended a seminar on "Research Quest", organized by Department of CSE, GUB, 18 August 2025
 - Mr. Abdullah Al Farhad, attended a hackathon on "Leveraging Course Files for Continuous Quality Improvement", organized by CQI Committee, Department of CSE, GUB, 14 September 2025

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- Mr. Abdullah Al Farhad, attended a workshop on “Domain/Level of Learning Taxonomy, Knowledge Profile, Complex Engineering Problem (CEP), and Complex Engineering Activities (CEA)”, organized by Department of CSE, GUB, 05 October 2025
 - Mr. Abdullah Al Farhad, attended a workshop on “Program Outcome Cohort Checking for BAETE Accreditation”, organized by BAETE Sub-Committee, Department of CSE, GUB, 18 October 2025
 - Mr. Abdullah Al Farhad, attended a workshop on “Thesis/Project to Publication: Strategies for Turning Your Final-Year Thesis/Project into Research Papers” as a Keynote Speaker, organized by CRITS, GUB, 28 October 2025
 - Mr. Abdullah Al Farhad, attended a conference on 2025 IEEE 7th International Conference On Sustainable Technologies For Industry 5.0 (STI 2025), Green University of Bangladesh, 11–12 December 2025
 - Mr. Jobair Al Nahian, attended a conference on 28th International Conference On Computer And Information Technology (ICCIT 2025), Cox’s Bazar
 - Mr. Amit Bin Tariqul, attended a workshop on “Co-creation of guidelines on the ethical use of GenAI to support HE and TVET students in Bangladesh”, organized by the Computing and Informatics Research Centre of Nottingham Trent University, UK, 9 December 2025

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Publications



Figure 7.1: Summary of academic activities of 2025

- Billah, M.M., Sagor, S. and Uddin, M.S.; 2025. A comprehensive combined dataset on Hibiscus and Tea plant leaf disease images for classifications. Data in Brief, p.112357.
- Islam, M.M., Islam, M.S., Moazzam, M.G. and Uddin, M.S.; 2025. A Comprehensive Deep Learning Framework for Rice Variety Classification with Real-Time Deployment. Smart Agricultural Technology, p.101710.
- Based, M.A., Rahman, E.U. and Uddin, M.S.; 2025, June. Voter Authentication Using Elliptic Curve Cryptography and Blind Signature in a Secure Electronic Voting System. In 2025 International Conference on Computing Technologies (ICOCT) (pp. 1-6). IEEE.
- Based, M.A., Rahman, E.U. and Uddin, M.S.; 2025, June. Voter Authentication Using Elliptic Curve Cryptography and Blind Signature in a Secure Electronic Voting System. In 2025 International Conference on Computing Technologies (ICOCT) (pp. 1-6). IEEE.

- Hossen, M.K. and Uddin, M.S., 2025, February. A Multimodal Monitoring System with XG-Boost Classifier for Optimizing Student Engagement in Online Learning. In 2025 International Conference on Electrical, Computer and Communication Engineering (ECCE) (pp. 1-6). IEEE.
- Billah, M.M., Sultana, A. and Uddin, M.S., 2025, February. Design and Implementation of Feasible Model for Water Drowning Detection System. In 2025 International Conference on Electrical, Computer and Communication Engineering (ECCE) (pp. 1-6). IEEE.
- Islam, J., Ataulha, M. and Azad, S., 2025, December. PyBangla at BLP-2025 Task 2: Enhancing Bangla-to-Python Code Generation with Iterative Self-Correction and Multilingual Agents. In Proceedings of the Second Workshop on Bangla Language Processing (BLP-2025) (pp. 566-570).
- Hossain, M.U., Alom, M.R., Hasan, S.S., Sakib, M.N., Suchi, M.A., Sanjida, Z., Rahman, A.N., Bhattacharjee, A., Chowdhury, Z.M., Ahammed, I. and Rahman, M.A., 2025. APDeeM: A machine Learning strategy towards Effective Peptide Vaccine Candidates Identification against Different Types of Viruses. *bioRxiv*, pp.2025-05.
- Mahanta, P., Mahamud, I., Hasan, N., Emad, K.H. and Azad, S., 2025, December. A Capsule-Based Model for Keyphrase Extraction from Short Texts Using Variational Inference and Transformer Embeddings. In 2025 IEEE 7th International Conference on Sustainable Technologies For Industry 5.0 (STI) (pp. 1-6). IEEE.
- Mahanta, P., Mahamud, I., Hasan, N., Emad, K.H. and Azad, S., 2025, December. EDNeuFTM: Enhanced Deep NeuroFusion Topic Modeling with NeuroCapsule. In 2025 IEEE 7th International Conference on Sustainable Technologies For Industry 5.0 (STI) (pp. 1-6). IEEE.
- Al Masud, A., Al Fahim, A., Azad, M.S. and Ahmed, K.I.U., 2025, December. Quality-Based Evidence Summarization for Retrieval-Augmented Generation (RAG). In 2025 IEEE 7th International Conference on Sustainable Technologies For Industry 5.0 (STI) (pp. 1-6). IEEE.
- M. Rahman, M. R. Shakib, M. A. Hossain, J. T. Tonvi, and S. A. Kabir, "Efficient deep learning-based semantic segmentation for autonomous driving," in Proceedings of the 28th International Conference on Computer and Information Technology (ICCIT), Cox's Bazar, Bangladesh, Dec. 19-21, 2025.
- M. F. Hasan, M. N. S. Sheam, U. K. Biswas, J. T. Tonvi, and S. A. Kabir, "BdSL-Net: A Hybrid CNN-LSTM-Attention Framework for Real Time Bangla Sign Language Recognition," in Proc. International Conference on Intelligent Data Analysis and Applications, 2025.
- M. M. Rahman, S. Biswas, S. Barmon, S. Akter and M. N. Uddin, "AECNN-A: Augmented Enhanced Convolutional Neural Network with Attention Mechanism for Lightweight Plant Leaf Disease Classification," 2025 IEEE 7th International Conference on Sustainable Technologies For Industry 5.0 (STI), Dhaka, Bangladesh, 2025.
- M. M. Rahman, S. Biswas, S. Barmon, S. Akter and M. N. Uddin, "AECNN-A: Augmented Enhanced Convolutional Neural Network with Attention Mechanism for Lightweight Plant Leaf Disease Classification," 2025 IEEE 7th International Conference on Sustainable Technologies For Industry 5.0 (STI), Dhaka, Bangladesh, 2025.
- M. Hasan, M. Islam, M. M. Hassan and M. S. Mia, "Enhanced Speech Emotion Recognition Using Hybrid ConvLSTM Model," in International Conference on Quantum Photonics, Artificial Intelligence, and Networking (QPAIN), 2025, doi: 10.1109/QPAIN66474.2025.11171908.
- J. Hassan, M. L. Rahman, S. Biswas, M. S. Mia and R. Khatun, "A Smart Decision-Maker by Monitoring Progress of Students' Study using Machine Learning Algorithms", in 3rd International Conference on Big Data, IoT, and Machine Learning (BIM 2025), 2025.
- M. A. Khan, J. N. Bably, R. Miah and M. S. Mia, "A Hybrid Framework for Enhanced Early Diabetes Prediction using Explainable AI", in 2025 IEEE International Conference on Biomedical Engineering, Computer and Information Technology for Health (BECITHCON), 2025.
- M. K. B. Ahsan, R. Goswami, M. Obaidullah, M. S. Mia and M. S. Alam "Enhanced CNN with Special Attention Module and Explainable AI for Advanced Skin Cancer Detection", in 2025 IEEE International Conference on Biomedical Engineering, Computer and Information Technology for Health (BECITHCON), 2025.
- A. Hossain, M. H. K. Badhon, M. R. Hasan and M. S. Mia, "Aspect-Based Sentiment Analysis of E-Commerce Reviews in Banglish Using Transformer Models", in International Conference on Intelligent Data Analysis and Applications (IDAA 2025), 2025.

- M. R. Hossen, T. R. Opu, I. Hossain, M. S. Mia and T. Tasnim, "A Hybrid Multi-Modal Deep Learning Model for Early Colorectal Cancer Detection", in International Conference on Intelligent Data Analysis and Applications (IDAA 2025), 2025.
- M. F. Rahman, M. B. F. Hasan, T. Akter and M. S. Mia, "Air Pollution Monitoring and Prediction using Big Data Analytics and Machine Learning", in International Conference on Intelligent Data Analysis and Applications (IDAA 2025), 2025.
- S. H. Shovu, S. Akter, M. A. Sayad, M. S. Mia and T. Tasnim, "Multimodal Lie Detection Using Speech and Video with Deep Neural Networks", in 2025 28th International Conference on Computer and Information Technology (ICCIT), 2025.
- M. A. R. Imran, T. Hasan, N. Akter, M. S. Mia and T. Tasnim, "SHAP-Based Explainable AI Model for Early Detection of Cardiovascular Disease", in 2025 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE), 2025.
- M. W. Bhatt, M. R. M. Veeramanickam, J. R. Ruffner, C. Navarro, M. S. Mia, G. Kaur and M. Soni, "Enhancing engineering student engagement and learning outcomes through WebVR and wearable sensor integration with immersive learning," in Discover Sustainability, vol. 6, no. 590, 2025, doi: 10.1007/s43621-025-01436-x.
- M. H. Kabir, J. Baidya, M. A. Hossain, F. Akter Sunny and S. S. Nakshi, "Boomerang: Automated Threat Detection and Incident Response Framework for Virtual Machines in Cloud Environments," 2025 2nd International Conference on Next-Generation Computing, IoT and Machine Learning (NCIM), Gazipur, Bangladesh, 2025, pp. 1-6, doi: 10.1109/NCIM65934.2025.11159865.
- N. I. Swadhin, J. Baidya, N. Islam, F. A. Sunny and M. S. Hossain, "IntruDetect: A Hybrid Deep Learning Approach for Intrusion Detection in Network Security," 2025 2nd International Conference on Next-Generation Computing, IoT and Machine Learning (NCIM), Gazipur, Bangladesh, 2025, pp. 1-6, doi: 10.1109/NCIM65934.2025.11159977.
- Islam, M.M., Azman, N.S.N., Das, S.k., Gousuddia, M., Rasel, M.A.H., Islam, M.R. and Bini N.I. "Stabilizing effect of green tea extract and epigallocatechin-3-gallate (EGCG) on mast cell: an in vivo study" in *Inflammopharmacology* 33, 4685–4701 (2025). <https://doi.org/10.1007/s10787-025-01800M>.
- H. K. Rana and B. Ahmed, "Computational Framework for Identifying Candidate Genes in Colorectal Cancer Using TCGA Data," in 2025 28th International Conference on Computer and Information Technology (ICCIT), IEEE, 2025, pp. 1-5
- H. K. Rana and B. Ahmed, "Identification of candidate genes for colorectal cancer using machine learning and bioinformatics approaches," in 2025 International Conference on Electrical, Computer and Communication Engineering (ECCE), IEEE, 2025, pp. 1-5
- S. R. Nath, S. Sultana, D. Mondal, W. Tasnim, and H. K. Rana, "Pathway-centric identification of candidate genes in lung adenocarcinoma using tcga dataset," in 2025 IEEE 7th International Conference on Sustainable Technologies For Industry 5.0 (STI), IEEE, 2025, pp. 1-5
- M. S. Ahmed, M. M. Rahman, R. Chowdhury, W. Tasnim, and H. K. Rana, "High-fidelity virtual try-on systems for online retail using computer vision and deep learning," in 2025 IEEE 7th International Conference on Sustainable Technologies For Industry 5.0 (STI), IEEE, 2025, pp. 1-6
- M. S. Islam, K. F. Hasan, H. H. Shajoe, H. K. Rana, M. S. Rahman, M. M. Hasan, A. Azad, I. Abdullah, and M. A. Moni, "Multimodal marvels of deep learning in medical diagnosis using image, speech, and text: A comprehensive review of covid-19 detection," *AI Open*, vol. 6, pp. 12-44, 2025, (Elsevier, SCI, Q1, IF=14.8)
- S. C. Das, W. Tasnim, H. K. Rana, U. K. Acharjee, M. M. Islam, and R. Khatun, "Comprehensive bioinformatics and machine learning analyses for breast cancer staging using tcga dataset," *Briefings in Bioinformatics*, vol. 26, no. 1, p. bbae628, 2025, (Oxford University Press, SCI, Q1, IF=7.7)
- H. Mukit, S. Hossain, M. M. Farabi, M. Z. Chowdhury, A. I. Pritom, and H. K. Rana, "SMILES2DTA: a CNN-based approach for identifying drug candidates and predicting drug-target binding affinity," *Neural Computing and Applications*, vol. 37, no. 4, pp. 2891-2910, 2025, (Springer, SCI, Q1, IF=4.5)

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- Md. Gulzar Hussain, Babe Sultana, MR Ali, C Das, MS Ahmed. BnBerno-MNet: A MobileNetV2 Architecture for Bangla Handwritten Character Recognition. In the 2025 International Conference on Quantum Photonics, Artificial Intelligence, and Networking (QPAIN) 2025 Jul 31 (pp. 1-6). IEEE.
 - Md Gulzar Hussain, Babe Sultana, Md RINKU Ali, Hybrid Feature Combinations with CNN for Bangla Fake News Classification, 3rd International Conference on Big Data, IoT and Machine Learning (BIM 2025), September 25-27, 2025, Springer
 - M A S K Shakil, Babe Sultana, Most. Rokeya Khatun, Enhancing Procurement Efficiency: An Intelligent System with Real-Time Bid Management and Automatic Supplier Assessment, Multi-Strategy Learning Environment: Proceedings of ICMSLE 2025, 2025 Sep 30:251.
 - Babe Sultana, MG Hussain, M Rahman. BanSpEmo: a Bangla audio dataset for speech emotion recognition and its baseline evaluation. Indonesian Journal of Electrical Engineering and Computer Science. 2025 Mar;37(3):2044-57.
 - Babe Sultana, SM Hoque, MG Hussain, MN Huda. BdRegionText: Resource Creation and Evaluation for Bangla Regional Text Classification with Machine Learning. Indonesian Journal of Electrical Engineering and Computer Science. 2025 Oct;40(1):411-25.
 - M A S K Shakil, Babe Sultana, Most. Rokeya Khatun, Enhancing Procurement Efficiency: An Intelligent System with Real-Time Bid Management and Automatic Supplier Assessment, Multi-Strategy Learning Environment: Proceedings of ICMSLE 2025, 2025 Sep 30:251.
 - M Tabassum, T Tasnim, ME Islam, AZSB Habib, "Tabular Deep Learning vs Classical Machine Learning for Urban Land Cover Classification", 5th Muslims in ML Workshop co-located with NeurIPS 2025.
 - R Hossen, TR Opu, I Hossain, MS Mia, T Tasnim, "A Hybrid Multi-Modal Deep Learning Model for Early Colorectal Cancer Detection", Intelligent Data Analysis and Applications (IDAA 2025), December 12-13, 2025.
 - SH Shovu, S Akter, MA Sayad, MS Mia, and T Tasnim, "Multimodal Lie Detection Using Speech and Video With Deep Neural Networks," IEEE 28th International Conference on Computer and Information Technology (28th ICCTT 2025), December 19-21, 2025
 - MAR Imran, T Hasan, N Akter, MS Mia, and T Tasnim, "SHAP-Based Explainable AI Model for Early Detection of Cardiovascular Disease", 11th IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering 2025 (11th IEEE WIECON-ECE 2025), December 21-22, 2025
 - F Rabbi, E Mondol, MR Roza, T Tasnim, MM Rahman, "An Improved Hybrid Filtering for Movie Recommendation System Using ML Approaches", International Journal of Computing and Digital Systems, 18(1), pp. 1-12, 2025.
 - An Intelligent Video Surveillance System with Temporal-Enhanced YOLOv8 for Real-Time Fire, Accident, and License Plate Detection in Public Safety Monitoring, Md Rashed, Md Imran Hossain, Md Zahidul Islam, Feroza Naznin, 2025/11/2025, IEEE International Conference on Future Machine Learning and Data, Science (FMLDS 2025)
 - Weather-Driven Machine Learning Decision Support for Rice Cultivation Suitability in Bangladesh, Md Jubair Rahman, Md Shahjada Sajid, Md Jufikar Ali, Md Alamgir Hossain, Md Zahidul Islam, Feroza Naznin, 2025/11/2025, IEEE International Conference on Future Machine Learning and Data, Science (FMLDS 2025)
 - "Enhanced Rice Disease Recognition Using Transfer Learning", Umme Habiba, Sadria Islam Rubaiya, Ayesha Banu, Md. Sabbir Hosen Mamun, Riad Hossain, and Fatema-Tuj-Johora, International Conference on Intelligent Data Analysis and Applications (IDAA 2025), 12 - 13 December 2025
 - "Binary-Class AI-Generated Content Detection Through Comprehensive Feature Engineering", Afifa Hoque Tisha, Ayesha Banu, Fatema-Tuj-Johora, and Riad Hossain, International Conference on Intelligent Data Analysis and Applications (IDAA 2025), 12 - 13 December 2025
 - Md. Parvez Hossain, Ohidujjaman, Mohammad Shorif Uddin, Mohammad Nurul Huda, Tetsuya Shimamura, "Recognition of Bangla and English Words in Bengali Texts Using a Modified BERT-base-NER Model", Iraqi Journal for Computer Science and Mathematics, Vol. 6: Iss. 4, 2025

- Md Abu Rumman Refat, Md. Parvez Hossain, Md Rafiqul Islam, Anichur Rahman, Fahmid Al Farid, Hezerul Abdul Karim, Abu Saleh Musa Miah, "A Hybrid LSTM CNN Model with Efficient Channel Attention for Enhanced Human Activity Recognition using Wearable Sensors", *Discover Applied Sciences*, Vol. 7, 2025
- Md. Sakawat Hossain Rabbi, Md. Masbahul Bari, Tanoy Debnath, Anichur Rahman, Avik Kumar Das, Md. Parvez Hossain, Ghulam Muhammad, "Performance Evaluation of Optimal Ensemble Learning Approaches with PCA and LDA-based Feature Extraction for Heart Disease Prediction", *Biomedical Signal Processing and Control*, 101, 107138.
- Md. Sakawat Hossain Rabbi, Md. Masbahul Bari, Tanoy Debnath, Anichur Rahman, Avik Kumar Das, Md. Parvez Hossain, Ghulam Muhammad, "Performance Evaluation of Optimal Ensemble Learning Approaches with PCA and LDA-based Feature Extraction for Heart Disease Prediction", *Biomedical Signal Processing and Control*, 101, 107138.
- M. Afroj, M. R. H. Mondal, M. R. Hassan, and S. Akter, "MobDenseNet: A hybrid deep learning model for brain tumor classification using MRI", *Array*, vol. 26, p. 100413.
- R. Hassan, M. R. H. Mondal, S. I. Ahamed, F. Mostafa, and M. M. Rahman, "An efficient dual-line decoder network with multi-scale convolutional attention for multi-organ segmentation", *Biomedical Signal Processing and Control*, vol. 112, p. 108611.
- Fatema Akter, Tamanna Tabassum, Md Al Amin Meia, and Pranab Majumder, "An Optimized Reversible Design for Programmable Array Logic Based on Quantum Computing Nanotechnology," *Innovations in Electrical and Electronics Engineering: Proceedings of ICEEE 2024, Volume 1* 1 (2025): 355.
- Alom, M.S., Halder, R.K., Haque, O., Gani, S.K., Talukder, M.A., Tamim, F.S., Jahan, N., Tabassum, T., Akter, F., Imran, F. and Hossen, R., 2025. Stroke Prediction Using Ensemble Machine and Deep Learning Models. *Biomedical Materials & Devices*, pp.1-16.
- M. Rahman, M. R. Shakil, M. A. Hossain, J. T. Tonvi, and S. A. Kabir, "Efficient deep learning-based semantic segmentation for autonomous driving," in *Proceedings of the 28th International Conference on Computer and Information Technology (ICCIT)*, Cox's Bazar, Bangladesh, Dec. 19-21, 2025.
- M. F. Hasan, M. N. S. Sheam, U. K. Biswas, J. T. Tonvi, and S. A. Kabir, "BdSL-Net: A Hybrid CNN-LSTM-Attention Framework for Real Time Bangla Sign Language Recognition," in *Proc. International Conference on Intelligent Data Analysis and Applications*, 2025.
- M. H. Kabir, J. Baidya, M. A. Hossain, F. Akter Sunny and S. S. Nakshi, "Boomerang: Automated Threat Detection and Incident Response Framework for Virtual Machines in Cloud Environments," 2025 2nd International Conference on Next-Generation Computing, IoT and Machine Learning (NCIM), Gazipur, Bangladesh, 2025, pp. 1-6, doi: 10.1109/NCIM65934.2025.11159865.
- S. S. Nakshi, W. Tasnim, R. Khatun, "A Lightweight Federated-Ensemble Deep Learning Approach for Early Detection of Alzheimer's Disease Using MRI Imaging", in 2025 28th International Conference on Computer and Information Technology (ICCIT), 2025.
- J.F. Nuri, M.F. Khan, A.R.Naeem, S. S. Nakshi, M.J.Islam, "FedSP: Privacy-Preserving Malware Detection Model through Lightweight Federated Learning"
- H. A. Hany, S. I. Farhana, J. M. Hasi, S. S. Nakshi "Accurate Detection of Fake Job Posts Using Ensemble Machine Learning and Explainable AI", 2025 International Conference on Intelligent Data Analysis and Applications (IDAA), Publisher: Taylor & Francis.
- Pathan, Md Naimul, Abida Sultana, Abrar Hasan, Md Dulal Hossain, Saurav Chandra Das, and Md Ashiqussalehin. "A Hybrid Deep Ensemble Framework for Intelligent Intrusion Detection and Classification in Data Center Environments," In 2025 IEEE 7th International Conference on Sustainable Technologies For Industry 5.0 (STI), pp. 1-6, IEEE, 2025.
- Md Fazle Rabbi Riyad, Fatema Akter, Jannatul Nayeema, Md Romzan Alom, Kabiratun Umml Oyshe, Md Zahidul Hasan, Muhammad Aminur Rahman "An Efficient Attention-based Deep Learning Model for Masked and Unmasked Face Recognition", ICOSTE 2025 Conference.
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8

Miscellaneous

8.1 A Year of Excellence: Celebrating the Best Chapter Achievement!

The IEEE Student Branch of Green University of Bangladesh, in collaboration with the IEEE Computer Society SBC GUB, organized the event at 9th February 2025 to recognise the outstanding contributions of students, advisors, and volunteers. Distinguished academics and IEEE leaders graced the session, sharing insights on leadership, innovation, and professional growth.



Figure 8.1: The Banner of the program of "A Year of Excellence: Celebrating the Best Chapter Achievement!"

Chief Guest: Prof. Dr. Mohammad Sharif Uddin, SMIEEE Vice-Chancellor, Green University of Bangladesh Prof. Dr. Mohammad Sharif Uddin congratulated the IEEE Student Branch and the Computer Society Chapter for their dedication and hard work. He emphasized the importance of professional organizations like IEEE in shaping students' careers by providing networking and skill development opportunities. He encouraged students to continue their active involvement in IEEE activities and apply their knowledge to real-world applications.

Guest of Honor: Prof. Dr. Khawza Iftakhar Uddin Ahmed, SMIEEE Pro Vice-Chancellor, Green University of Bangladesh Prof. Dr. Khawza Iftakhar Uddin Ahmed highlighted the impact of IEEE in academic and research excellence. He praised the student volunteers for their efforts in making the

chapter successful and acknowledged the role of faculty members in mentoring students. He encouraged students to take leadership roles and actively participate in IEEE initiatives.

Special Guests: Prof. Dr. Md. Fayzur Rahman Treasurer, Green University of Bangladesh Prof. Dr. Md. Fayzur Rahman emphasized the role of IEEE in bridging the gap between academia and industry. He discussed how technical skills and leadership experiences gained through IEEE activities contribute to students' future careers. He congratulated the award recipients and encouraged them to keep striving for excellence.



Figure 8.2: The Chief Guest, Prof. Dr. Mohammad Shorif Uddin, SMIEEE Vice-Chancellor, Green University of Bangladesh Prof. Dr. Mohammad Shorif Uddin congratulated the IEEE Student Branch and the Computer Society Chapter.

Prof. Dr. Md. Saiful Azad, SMIEEE Dean, Faculty of Science and Engineering, Green University of Bangladesh Prof. Dr. Md. Saiful Azad acknowledged the achievements of the IEEE Computer Society SBC GUB. He stressed the significance of innovation and collaboration in advancing technological research and development. He motivated students to utilize IEEE resources for knowledge enhancement and research activities.

Session Chair: Dr. Muhammad Aminur Rahaman, SMIEEE Chairperson, Department of CSE, Green University of Bangladesh; Branch Counsellor, IEEE Student Branch GUB; Advisor, IEEE Computer Society SBC GUB Dr. Muhammad Aminur Rahaman expressed his gratitude to the participants, volunteers, and organizing committee. He highlighted the growth of the IEEE Student Branch and how it has positively impacted students' technical and leadership skills. He reaffirmed his commitment to supporting students in their IEEE journey and encouraged them to take full advantage of IEEE membership benefits.

Awards and Recognitions: The event concluded with the announcement of the "Award of 2024," recognizing outstanding contributions in various categories:

- Best CS Student Chapter
- Best CS Chapter Advisor
- Best CS Student Volunteer (Performance-based)
- Best SPARK Volunteer (Performance-based)



Figure 8.3: A group photo of the participants and honored guests of the event

The event was a grand success, with valuable insights shared by the esteemed guests and recognition given to deserving individuals. The IEEE Student Branch and the Computer Society SBC GUB reaffirmed their commitment to fostering technological advancements and professional growth among students.

8.2 Scientific Paper Writing: A Thumb Rule Approach

A highly informative workshop titled "Scientific Paper Writing: A Thumb Rule Approach" was successfully conducted on February 9, 2025. This session was jointly organized by IEEE Student Branch GUB and IEEE Computer Society Student Branch Chapter GUB. The session provided students with valuable insights into research paper writing and effective publishing strategies.



Figure 8.4: The Banner of the program of "Scientific Paper Writing: A Thumb Rule Approach"

The workshop commenced with a warm welcome speech by Ms. Farhana Akter Sunny, Assistant Professor, Department of CSE, Green University of Bangladesh. She expressed her gratitude to all attendees for their participation and emphasized that the objective of the workshop was to equip students with essential tools and techniques for producing high-quality research papers.



Figure 8.5: The keynote speaker, Prof. Dr. Md. Ahsan Habib Tareq, SMIEEE, Professor, Department of CSE, delivered his speech.

The keynote address was delivered by Prof. Dr. Md. Ahsan Habib Tareq, SMIEEE, Professor, Department of CSE & Director, Center for Continuing Education, Green University of Bangladesh. He shared his expertise on research methodology, defining research as a systematic investigation aimed at establishing facts and deriving new conclusions. He highlighted the importance of repetition and impact in research, emphasizing its role in driving advancements across industries, economies, education, transportation, and society, particularly in the era of 4IR and 5IR technologies.

A total of 100+ students spontaneously joined this session, which indicates the eagerness of the students to join this session. The workshop provided students with a structured and strategic approach to writing impactful research papers. It was an enriching learning experience for all aspiring researchers, fostering their skills in academic writing and research dissemination.

8.3 Empowering STEM Learning: Integrating Computational Thinking to Strengthen Problem-Solving Skills

A seminar titled “Empowering STEM Learning: Integrating Computational Thinking to Strengthen Problem-Solving Skills” was held at Green University of Bangladesh on 28 February 2026 at 10:00 AM in Room A-409. The event was organized by the IEEE GUB Student Branch and co-organized by the Departments of Computer Science and Engineering, Artificial Intelligence & Data Science, and Software Engineering.

8.3. Empowering STEM Learning: Integrating Computational Thinking to Strengthen Problem-Solving Skills

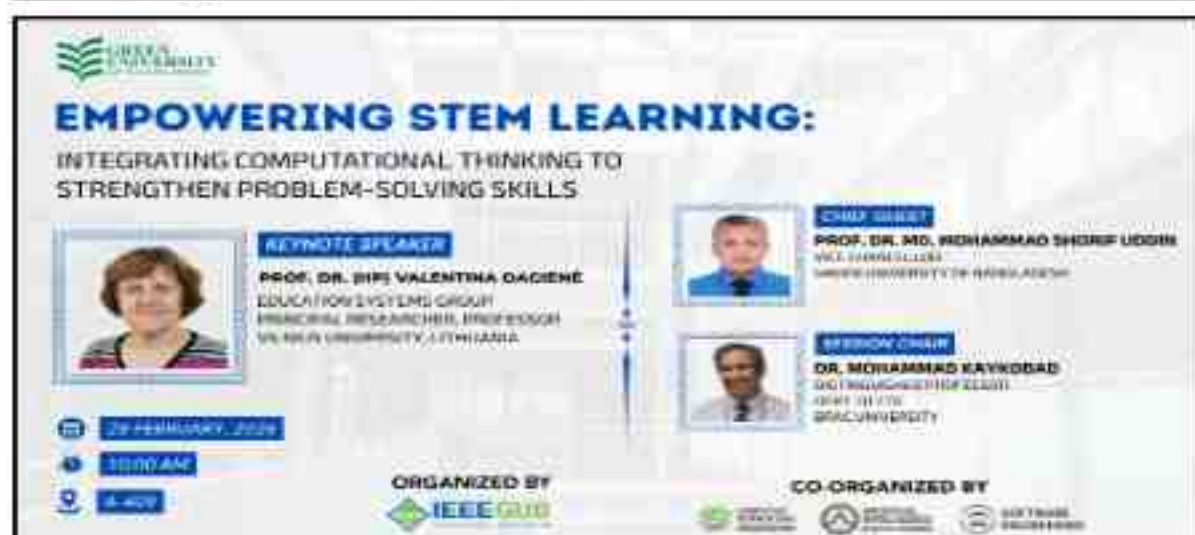


Figure 8.4: The Banner of the program of "Empowering STEM Learning: Integrating Computational Thinking to Strengthen Problem-Solving Skills"

The seminar featured Prof. Dr. (HP) Valentina Dagienė, principal researcher of the Education Systems Group and professor at Vilnius University, Lithuania, as the keynote speaker. The chief guest of the event was Prof. Dr. Md. Mohammad Shorif Uddin, vice chancellor of Green University of Bangladesh, while the session was chaired by Dr. Mohammad Kaykobad, distinguished professor of the Department of CSE at BRAC University. In her keynote address, Prof. Valentina Dagienė discussed the importance of STEM education and computational thinking in modern learning environments. She emphasized that both teachers and learners play an important role in building strong problem-solving skills. According to her, engineers and technology professionals are crucial for shaping the future through innovation and research. She also shared insights about European research initiatives and collaborative projects, particularly those related to computer science and software engineering. She highlighted how interdisciplinary research and applied mathematics contribute to technological advancement and education systems. During her speech, she briefly introduced Lithuania, mentioning that the country gained independence in 1990 and later joined the European Union in 2004. She explained how European universities actively participate in research collaborations and technology-driven education.



Figure 8.5: The keynote speaker, the chief guest Prof. Dr. Md. Mohammad Shorif Uddin, vice chancellor of Green University of Bangladesh, and the session chair Dr. Mohammad Kaykobad

The chief guest Prof. Dr. Md. Mohammad Shorif Uddin began his speech by greeting the guests

and expressing appreciation to the organizing departments for arranging the seminar. He introduced Green University of Bangladesh and highlighted the contributions of its academic departments. He spoke about the Fourth Industrial Revolution, focusing on technologies such as artificial intelligence (AI), machine learning (ML), robotics, and deep learning. He explained how these technologies are transforming industries and reshaping the global job market. According to him, while some traditional jobs may disappear, new opportunities will emerge in technology-driven sectors. He emphasized that computational thinking and problem-solving ability are the most essential skills for future professionals. He also noted that AI systems can now perform many complex tasks independently, making it even more important for students to develop analytical and innovative thinking skills.



Figure 8.8: A group photo of the participants and honored guests of the event.

Session Chair Dr. Mohammad Kaykobad expressed his gratitude to Prof. Valentina Dagienė for attending the seminar and sharing her valuable knowledge. He praised her enthusiasm and dedication to research and education. During his speech, he discussed global population trends, mentioning that Asia has a much higher population density compared to other regions such as Africa and Europe. He explained that although Bangladesh has a large population, many people still struggle due to a lack of skills and opportunities. He highlighted that people often complain about limited resources, but the real challenge lies in developing qualifications, skills, and research capacity. Despite having a huge population, Bangladesh still produces relatively fewer research papers and innovations compared to many developed countries. He encouraged students to train their brains and focus on knowledge development, stating that the human brain is one of the most powerful resources. As an example, he mentioned Japan, explaining that the country's strength lies in its well-trained human resources and strong education system. He concluded with an inspiring message: Instead of regretting the lack of resources, we should learn to utilize the resources we already have.

The event was a grand success, with valuable insights shared by the esteemed guests and recognition given to deserving individuals. The IEEE Student Branch and the Computer Society SBC GUB reaffirmed their commitment to fostering technological advancements and professional growth among students.

8.4 Chairperson Meets with First Semester Students before Midterm Exam, Spring 2025, Regarding Exam Preparation

The Mentorship Program Committee of Computer Science and Engineering department successfully organized an online discussion session titled “Chairperson Meets with First Semester Students before Midterm Exam, Spring 2025, Regarding Exam Preparation” on Saturday, 8th March 2025 at 3:00 PM via Zoom platform.

The meeting was organized for 251 batch as they are going to attend the midterm examination for the first time. Academic guidance, university regulations, essential strategies for successful examination and motivational discussions were the main key points of the program.

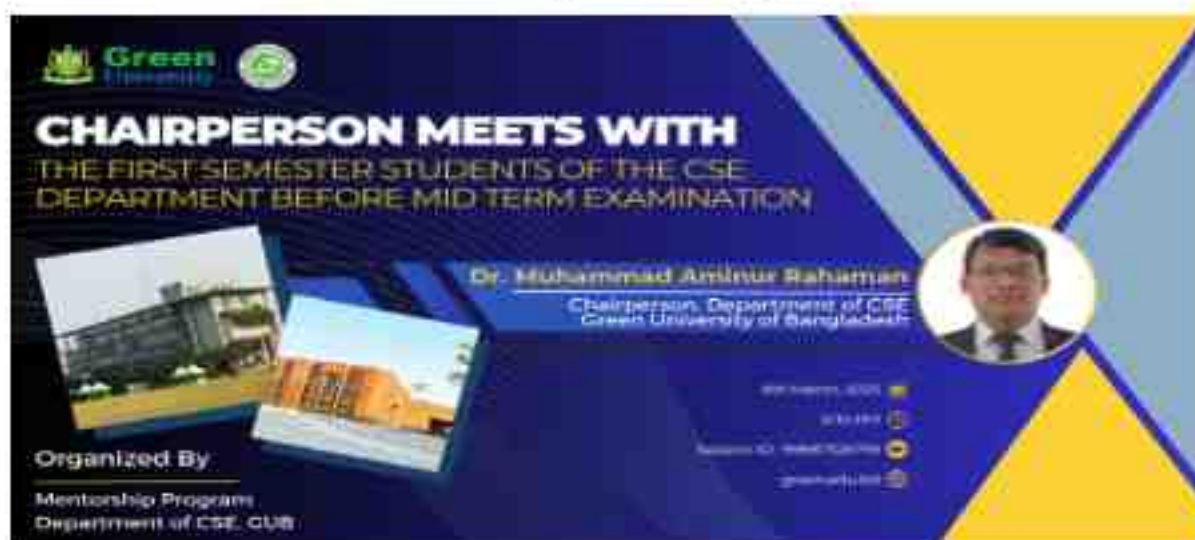


Figure 8.9: The Banner of the program of “Chairperson Meets with First Semester Students Regarding Exam Preparation”

- The session started with a speech from a Mentor, who emphasized on the question patterns and suggested some strategies for answering questions effectively in the exam hall.
- Following this, Mahbubur Rahman, the Lecturer & Program Coordinator of the Department of CSE, provided essential insights of exam-day protocols. He reminded the students to arrive at the exam center timely, clarified the importance of printing the admit card in advance and discussed the make-up examination. Additionally, he briefly demonstrated the downloading procedure of admit card and bill history checking.
- Prof. Dr. Md. Ahsan Habib Tarq delivered a short speech, assuring students that exams should not be feared. He motivated the students to overcome the transition from Bengali to English in academic settings. He also discussed the role of CGPA in job recruitment, explaining that alongside programming skills, maintaining a strong CGPA is equally important. He encouraged students to focus on their first-semester results, as they set the foundation for future academic success.
- Syed Ahsanul Kabir, Associate Chairperson, Department of CSE then addressed the students by highlighting the importance of physical and mental well-being for academic performance. He provided a detailed guideline for mid-term exam preparation, outlining pre-exam strategies and essential study techniques. He also issued a strong warning against misconduct in the exam hall, reinforcing Green University's zero-tolerance policy for unethical behavior. He explained that university performance is based on the cumulative assessment over four years, meaning that every type of assessment including assignments, quizzes, and attendance—plays a role in a student's final result.
- The Chairperson of CSE Department, Dr. Muhammad Aminur Rahman, then took the floor and discussed the importance of the Mentorship Program in guiding freshers toward academic success. He encouraged the students to utilize the mentorship system to seek help and advice whenever needed. He also mentioned a celebration program at the end of the semester, expressing his hope

that students would attend with a happy and satisfied mindset after successfully completing their first semester. He concluded by thanking all the faculty members, guests, and mentors for their valuable contributions to the session.

- Lastly, the program featured a Q&A session, where first-semester students had the opportunity to ask questions. The Chairperson, along with the Exam Controller, Deputy Director, Finance & Accounts section, and responsible faculty members, attentively addressed their concerns regarding exam preparation, university policies, and academic challenges, ensuring that students left the session with clarity and confidence.

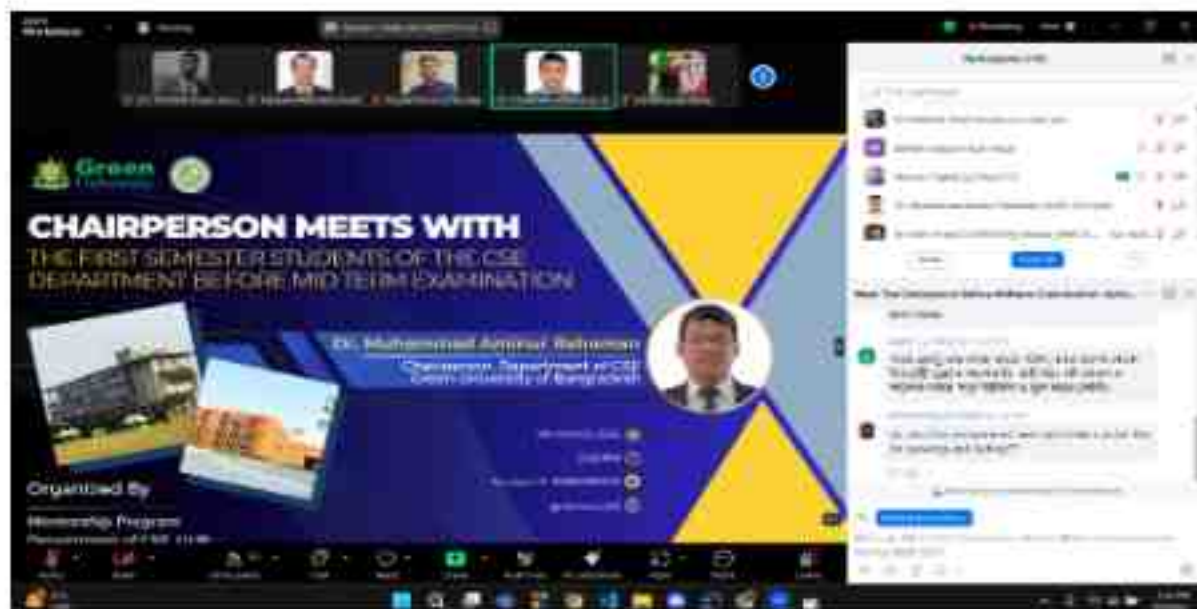


Figure 8.10: A snapshot of participants joined in the program through Zoom software

The session effectively provided the motivation, guidance, and actionable strategies for excelling in mid-term examination. The discussions reinforced the importance of discipline, time management, and academic integrity. With the collective support of mentors and faculty members, students left the session feeling encouraged and well-prepared for their upcoming exams.

8.5 Pohela Boishakh Celebration 1432

Green University of Bangladesh celebrated Pohela Boishakh 1432, the Bengali New Year, with great enthusiasm and cultural pride on April 19, 2025, at the university campus. The day-long festival aimed to uphold Bengali heritage, promote unity, and embrace the vibrant colors of tradition. Students, faculty members, and guests actively participated to make the celebration a memorable one.

The program began with a grand opening ceremony at 08:30 AM, followed by a series of engaging events. Participants enjoyed various sports competitions, a colorful Boishakhi rally, and traditional cultural performances that highlighted the essence of Bengali identity. Different university departments and clubs contributed to the festive charm through folk songs, dance, poetry recitations, and traditional exhibitions. The campus was beautifully decorated, while traditional food stalls offered a taste of authentic Bengali cuisine, enhancing the festive spirit.



Figure 8.11: Pohela Boishakh Celebration, 1432

The Boishakhi rally was the main highlight, showcasing unity and patriotism as students and teachers marched together holding banners, festoons, and traditional items reflecting Bengali heritage. The cultural segment featured outstanding performances by talented students, portraying the rich artistic spirit of Bangladesh. The Pohela Boishakh Celebration 1432 at Green University of Bangladesh was a joyful and culturally enriching event. It successfully brought together the university community in a celebration of tradition, heritage, and harmony. The program concluded with a festive prize distribution ceremony, leaving participants with inspiration and a hopeful beginning to the Bengali New Year.

8.6 Chairperson Meets With High-Performance Students of CSE Department

On May 17, 2025, the Green University Student Mentorship Program successfully organized a special motivational session titled "Chairperson Meets With High-Performance Students of CSE Department." The session was designed to recognize and celebrate the academic excellence of top-performing students while inspiring them to strive for even greater achievements. The event brought together distinguished academic leaders and high-achieving students of the Department of Computer Science and Engineering (CSE). It served as a platform for encouragement, reflection, and forward-looking guidance in both academic and personal development.



Figure 8.12: Banner of the event Chairperson Meets With High-Performance Students of CSE Department

The session commenced with an insightful address by Prof. Dr. Md. Ahsan Habib Tareq, who applauded the remarkable accomplishments of the high-performing students. He highlighted their potential to represent Green University of Bangladesh on a global stage and encouraged them to remain committed to innovation and continuous learning, especially in the context of the ongoing technological revolution. Following this, Syed Ahsanul Kabir, Associate Chairperson of the CSE Department, congratulated the students on their consistent academic success. He emphasized the importance of maintaining their momentum and encouraged them to support their peers, fostering a collaborative academic environment. He also extended his best wishes to the students for their upcoming final examinations. The session was further enriched by the speech of Dr. Muhammad Aminur Rahman, Chairperson of the CSE Department. He emphasized the growing importance of communication and interpersonal skills in the era of Industry 5.0. He noted that academic excellence alone is not sufficient; it must be complemented by strong communication abilities and leadership qualities. He encouraged students to embody empathy, responsibility, and a commitment to societal development, highlighting that true leadership lies in uplifting others.



Figure 8.13: Dr. Muhammad Aminur Rahman, Chairperson of the CSE Department, emphasized the growing importance of communication and interpersonal skills in the era of Industry 5.0.

The program concluded with an engaging and interactive Q&A session, where students actively participated by sharing their experiences, asking thoughtful questions, and exchanging ideas with the faculty members. This interaction added significant value to the session, reflecting the enthusiasm and leadership potential of the students. Overall, the session was highly impactful, providing meaningful recognition, motivation, and strategic guidance to the participants. It reinforced key values such as discipline, leadership, collaboration, and social responsibility. The event successfully inspired students to continue their pursuit of excellence and to contribute positively both within the university and in the broader society.

8.7 Returning to the Track: Path to Improve Academic Performance

On May 17, 2025, the Green University Student Mentorship Program successfully organized an online motivational session titled "Returning to the Track: Path to Improve Academic Performance." This special session was designed for students facing academic challenges in recent semesters, with the objective of inspiring, encouraging, and guiding them toward academic recovery and future success. The session began with an insightful speech by Prof. Dr. Md. Ahsan Habib Tareq, who explained that CGPA should not be viewed merely as a numerical value, but rather as a reflection of a student's consistency, punctuality, dedication, and perseverance. He connected academic performance with real-world job recruitment practices, highlighting how recruiters often consider CGPA as an indicator of work ethic and responsibility. He also encouraged students to focus on skill development alongside academic excellence to remain competitive in today's world.



Figure 8.14: Banner of the event Returning to the Track: Path to Improve Academic Performance

Next, Syed Ahsanul Kabir, Associate Professor and Associate Chairperson of the CSE Department, motivated students to build a strong and balanced profile through skills, achievements, and continuous self-improvement, even if their CGPA is moderate. He emphasized the importance of personal initiative and reminded students about the availability of faculty counseling hours, encouraging them to seek support whenever needed. The session was further enriched by an inspiring speech from Prof. Dr. Md. Salful Azad, Dean of the Faculty of Science and Engineering. He discussed common reasons behind poor academic performance, including fear, absenteeism, and lack of confidence. Using powerful examples such as Thomas Edison's persistence and Colonel Sanders' success after repeated failures, he encouraged students to embrace resilience and believe that it is never too late to improve. He also informed students about university policies that support academic growth, including opportunities to retake courses.



Figure 8.15: A snapshot of participants joined in the program through Zoom software

Finally, Dr. Muhammad Aminur Rahaman, Chairperson of the CSE Department, concluded the main discussion by summarizing the key messages and opening the floor for an interactive Q&A session.

Students actively shared their concerns, asked thoughtful questions, and sought guidance regarding academic policies, personal development, and strategies for improvement. The Chairperson, along with the Dean, Associate Chairperson, and other faculty members, provided supportive and practical responses. Overall, the session was highly effective in providing motivation, practical guidance, and emotional support to students facing academic difficulties. It reinforced essential values such as discipline, resilience, time management, and integrity. Through the collective encouragement of the university's academic leadership, students left the session feeling inspired, empowered, and better equipped to improve their academic journey.

8.8 Cyber Existence of Professional Skills for a Graduate

The webinar titled "Cyber Existence of Professional Skills for a Graduate" was organized by the IEEE Computer Society GUB Student Branch Chapter and the IEEE GUB Student Branch on May 30, 2025, via Zoom. The session aimed to guide students on building a strong professional digital presence by effectively utilizing platforms such as LinkedIn, GitHub, and freelancing marketplaces. The event was inaugurated by **Md. Rabby Khan**, who emphasized that in today's competitive job market, professional success depends not only on acquiring skills but also on presenting them effectively online.

The banner features a dark blue background with a green circular logo in the top left and right corners. The title "Webinar on Cyber Existence of Professional Skills for a Graduate" is prominently displayed in white and orange text, followed by the subtitle "Through LinkedIn, Freelancing, and GitHub Repositories" in white. Below this, the "DEMONSTRATORS:" section lists three individuals with their photos and names: Md. Dulal Hossain, Md. Rabby Khan, and Md. Hasibur Rahman, all from Green University of Bangladesh. The "CHIEF GUEST:" section features Dr. Ahsan Habib, Professor, Department of CSE, Green University of Bangladesh. At the bottom, event details are provided: Date: 30 May, 2025, Time: 10:00 PM, Platform: Zoom, and Link: <https://bit.ly/3wz0u1m>. Logos for the organizing and associated entities are shown at the bottom: IEEE Computer Society GUB Student Branch Chapter, IEEE GUB Student Branch, EDGE, Green University Computer Club, and IEEE Computer Society.

Figure 8.16: Banner of the webinar "Cyber Existence of Professional Skills for a Graduate"

The keynote address was delivered by Prof. Dr. Md. Ahsan Habib, who highlighted the growing importance of maintaining an active digital footprint. He stressed that employers increasingly evaluate candidates through their LinkedIn profiles, GitHub repositories, and online portfolios rather than relying solely on traditional CVs. The speakers and demonstrators, including Md. Rabby Khan, Md. Dulal Hossain, and Md. Hasibur Rahman, conducted practical demonstrations on creating and optimizing LinkedIn, Fiverr, and GitHub profiles, managing repositories, understanding version control systems, and showcasing certifications and project work effectively.

The webinar concluded with valuable insights for students and recent graduates, emphasizing that certifications, such as the EDGE Python Programming Course, should be complemented by a visible and professional online presence. Participants learned that LinkedIn serves as a professional identity, freelancing platforms provide opportunities for real-world experience, and GitHub acts as evidence of technical competence. The session successfully motivated attendees to strengthen their digital profiles, enhance their employability, and leverage online platforms to create meaningful career opportunities.

8.9 Celebration of Beginnings: Wrapping Up Semester One

The Mentorship Program of the Department of Computer Science & Engineering (CSE) at Green University of Bangladesh (GUB) successfully organized an event titled “Celebration of Beginnings: Wrapping Up Semester One” on July 9, 2025, at the Seminar Hall (A-302). The program celebrated the successful completion of the first semester for Batch CSE-251, welcoming more than 75 students along with esteemed guests, faculty members, mentor-moderators, and mentors. The event began with the distribution of specially designed T-shirts, symbolizing unity and enthusiasm among the students. After gathering in the seminar hall, the formal session commenced with spiritual recitations—Abdullah Md. Galib recited verses from the Holy Quran, followed by a Holy Gita recitation by Jouti Rani Mondol, reflecting inclusivity and respect.



Figure 8.17: Banner of Wrapping Up Semester One

The event featured several distinguished guests who inspired and guided the students:

- Syed Ahsanul Kabir, Associate Chairperson, Department of CSE – highlighted the importance of the mentorship program in supporting academic and personal growth.
- Prof. Dr. M. Saiful Azad, Dean, Faculty of Science & Engineering encouraged active participation in departmental and academic activities.
- Prof. Dr. Mohammad Shorif Uddin, SMIEEE, Vice-Chancellor, Green University of Bangladesh – Honourable Chief Guest, praised the initiative and emphasized the long-term value of mentorship.
- Dr. Mohammad Mahedi Hassan, Professor, Department of Information Systems, College of Computer and Information Sciences, King Saud University, Riyadh, KSA – Keynote Speaker, delivered a talk on “Artificial Intelligence Applications in Healthcare: Opportunities and Challenges”, offering valuable insights into real-world AI applications.
- Prof. Dr. Md. Ahsan Habib, Chairperson, Department of CSE, concluded the session with words of appreciation and encouragement for innovation, collaboration, and excellence.

A certificate distribution ceremony was held to honor the contributions of Mentor Moderators, Mentor Advisors, and Mentors from the CSE, ADS, and SWE departments, recognizing their dedication to guiding first-semester students.



Figure 8.18: A joyful Rally of Wrapping Up Semester One

The second half of the event included cultural performances, interactive games, lunch, and networking sessions, and a raffle draw with exciting prizes. The day concluded with a cake-cutting ceremony, marking the end of the first semester and celebrating new beginnings. The active participation of faculty members, mentors, and students made the event a resounding success, fostering unity, enthusiasm, and a strong foundation for continued mentorship and academic excellence within the Department of CSE.

8.10 Inauguration Ceremony IEEE GUB 2025

The IEEE Student Branch GUB, IEEE Computer Society Student Branch Chapter GUB, and IEEE PES GUB on Student Branch Chapter successfully organized the inauguration ceremony at Green University of Bangladesh at 5 July, 2025. The event was graced by the presence of the Chief Guest, Special Guests, Session Chair, faculty members, and more than 110 students, making it a highly impactful gathering.



Figure 8.19: Mr. Syed Ahsanul Kabir, Associate Chairperson and Associate Professor Department of CSE at GUB, praised the former committee's performance

Chief Guest: Prof. Dr. Mohammad Shorif Uddin, SMIEEE, Vice-Chancellor, Green University of Bangladesh Session Chair: Prof. Dr. Ahsan Habib, SMIEEE Chairperson, Dept. of CSE, Green University of Bangladesh Special Guests: Prof. Dr. Md. Abdur Razzaque, SMIEEE, Chairperson, Dept. of CSE, University of Dhaka Prof. Dr. Md. Saiful Azad, SMIEEE, Chairperson, Dept. of CSE, University of Dhaka Dr. Muhammad Aminur Rahaman, SMIEEE, Associate Professor, Dept. of CSE, BUBT; Conference Coordinator, IEEE CS, BDC Dr. Md. Mostafizur Rahman, Chairperson, Dept. of SWE, Green University of Bangladesh Mr. Syed Ahsanul Kabir, Associate Chairperson & Associate Professor, Dept. of CSE, GUB Prof. Dr. Md. Fayzur Rahman, Treasurer, Green University of Bangladesh Guest Speakers: Mr. Md. Rajibul Palas, Lecturer, Dept. of CSE, Green University of Bangladesh Waliyel Hasnat Zaman, Former Chair, IEEE SB GUB Faysal Hossain Tomal, Chair, IEEE SB GUB The inauguration ceremony commenced with the recitation of the Holy Quran by M. A. Rakib Sarkar, setting a serene and respectful tone for the event.

Mr. Md. Rajibul Palas, Lecturer in the CSE Department at GUB, addressed the audience by emphasizing the vital role of IEEE in organizing impactful academic activities including workshops, seminars, and technical talks. He encouraged students to propose new ideas and reaffirmed IEEE's commitment to student development across its three branches: SB, CS, and PES.



Figure 8.20: A special Crest of Appreciation was presented to Mr. Palash Roy, former IEEE Student Branch Mentor at GUB, honoring his valuable guidance and support.

Waliyel Hasnat Zaman, Former Chair of IEEE SB GUB, reflected on the achievements during his tenure, including organizing over 27 events such as career seminars, ChatGPT workshops, and significant contributions to the CSE Carnival 2025. He proudly noted the branch's recognition as Best CS Chapter and the Best Volunteer Awards in 2024, earned by Tahsin Ahmed and Fuad Ahmed. Faysal Hossain Tomal, Chair of IEEE SB GUB, shared an ambitious vision for the branch focusing on emerging fields like AI, machine learning, data science, and green energy. He outlined plans for over 32 upcoming events, including IEEE Day, PES Day, IEEE Insights Week, and STI 2025. He also announced collaborations with IEEE student branches at the University of Dhaka, Jahangirnagar University, Dhaka International University, and IEEE Young Professionals. Additionally, he proposed the establishment of a Women in Engineering wing to promote diversity and inclusion. During the award and certificate ceremony, outstanding volunteers and contributors were recognized for their dedication. A special Crest of Appreciation was presented to Mr. Palash Roy, former IEEE Student Branch Mentor at GUB, honoring his valuable guidance and support. Mr. Syed Ahsanul Kabir, Associate Chairperson and Associate Professor Department of CSE at GUB, praised the former committee's performance and

emphasized the importance of fostering strong connections with other IEEE chapters to broaden the impact. Prof. Dr. Md. Fayzur Rahman, Treasurer at GUB, acknowledged the successful collaboration among the three IEEE societies and advocated for more technology-driven events such as robotics and programming competitions. He also pledged continued financial support to promote student-led research and innovation.



Figure 8.21: Moments of joy and camaraderie among the members

Prof. Dr. Md. Abdur Razzaque, SMIEEE, Chairperson Department of CSE at the University of Dhaka, expressed his delight in attending the event. He recalled organizing IUPC 2018 at GUB and commended the dedication of faculty and students. Prof. Razzaque highlighted the key role IEEE plays in providing networking opportunities, internships, skill-building, and leadership development. He encouraged expanding IEEE's reach across academic departments. Prof. Dr. Mohammad Shorif Uddin, SMIEEE, Vice-Chancellor of Green University of Bangladesh, reflected on his involvement in the 2019 IEEE inauguration and recognized IEEE's crucial role in fostering leadership, creativity, and innovation. He praised the CSE Department as the most active at GUB and highlighted its contribution to the university's high rankings in education quality and sustainability. He encouraged students to develop soft skills, engage in storytelling, and maintain an entrepreneurial spirit amid rapid global changes. Concluding the speaker session, Prof. Dr. Ahsan Habib, SMIEEE Chairperson of the CSE Department at GUB, expressed heartfelt gratitude to Prof. Dr. Khawza Iftekhar Uddin Ahmed and all faculty members present. He warmly greeted the attendees and acknowledged Dr. Muhammad Aminur Rahaman as the best branch counselor for four consecutive times. Prof. Habib expressed optimism for another successful year for the IEEE chapter and urged everyone to prepare for the challenges of the Fourth Industrial Revolution. He requested the Vice-Chancellor to host an IEEE event next year and to organize a seminar focused on Artificial Intelligence. Furthermore, he proposed setting a minimum GPA goal of 3.6 for IEEE student members. Prof. Habib congratulated the new committee members on their appointments and paid tribute to Mr. Palash Roy upon his retirement, concluding his speech as preparations began for the celebratory cake-cutting ceremony.

The inauguration ceremony of the IEEE GUB 2025 committee was an inspiring and collaborative event that celebrated past accomplishments while setting a clear path for future progress. Bringing together esteemed faculty members, industry experts, and enthusiastic students, the event reinforced IEEE GUB's commitment to innovation, leadership, and academic excellence. With visionary speeches and strategic plans, the ceremony laid a strong foundation for empowering students to thrive in the era of the Fourth Industrial Revolution.

8.11 The Future: AI - Powered Innovations and Educational Tools in the 4IR Era

The IEEE Student Branch GUB, in collaboration with the IEEE Computer Society Student Branch Chapter GUB and the IEEE Power & Energy Society Student Branch Chapter GUB, successfully organized an impactful seminar titled "Shaping the Future: AI-Powered Innovation and Educational Tools in the 4th Industrial Revolution" on July 5, 2025, at Room A-302, Green University of Bangladesh. This event was proudly held in association with the IEEE Bangladesh Section and the IEEE Computer Society Bangladesh Chapter, and received media coverage and promotional support from The GUB Times, Green News Network (GNN), and Update Shironam. The seminar was graced by the presence of respected university officials, including the Vice-Chancellor, Pro Vice-Chancellor, and Treasurer of Green University, along with distinguished guests such as the Chairpersons of the CSE Departments from Green University of Bangladesh, University of Dhaka, and Professor Bangladesh University of Business and Technology (BUBT). Faculty members, IEEE representatives, and more than 110 enthusiastic students also participated in the event. The session aimed to inspire academic and professional growth by exploring how artificial intelligence is transforming education, industry, and innovation in the era of the 5th Industrial Revolution.



Figure 8.22: Banner of the seminar "The Future: AI - Powered Innovations and Educational Tools in the 4IR Era"

The seminar commenced with a warm welcome to all distinguished guests, faculty members, and students. The first speaker, Dr. Muhammad Abul Hasan, Chairperson of the Dept. of Artificial Intelligence and Data Science (ADS), expressed his gratitude to the previous IEEE committee and warmly welcomed the new team. He emphasized that innovation, learning, and research are essential for long-term success beyond academic performance and encouraged students to improve communication and networking skills. Following him, Prof. Dr. Khawza Iftekhar Uddin Ahmed, SMIEEE, Pro Vice-Chancellor of GUB and Chief Guest, discussed the critical role IEEE plays in shaping students' futures. He warned against passively joining IEEE and highlighted the need for meaningful involvement. Addressing the seminar's theme, he underlined the importance of using AI responsibly and encouraged participation in global IEEE initiatives like IEEE Spectrum and Xtreme. The Keynote Speech was delivered by Prof. Dr. Md. Ahsan Habib, SMIEEE, Chairperson of the Department of CSE and former Chair of IEEE Computer Society BDC. He opened his speech by greeting everyone and expressing his happiness at seeing both old and new committee members gathered together. He emphasized that IEEE society members are technical and forward-thinking individuals. Dr. Habib provided a comprehensive

explanation of the five industrial revolutions—from the steam engine (IR-1), electricity (IR-2), electronics (IR-3), connectivity (IR-4), to the ongoing revolution of personalization through AI and advanced technology (IR-5). He clarified the difference between evolution and revolution, stating that evolution is a slow societal shift, while revolution drives rapid and fundamental change.



Figure 8.23: The Keynote Speech was delivered by Prof. Dr. Md. Ahsan Habib, SMIEEE, Chairperson of the Department of CSE

He urged students to identify future-driving sectors and start building expertise in those areas. He discussed how the global education system is evolving towards collaboration, project-based learning, and skills development. In contrast, he observed that many institutions—including local ones—still follow outdated, second-generation models. He called for a radical shift toward vertical learning systems and a culture of innovation. Prof. Dr. Habib highlighted that AI will be a fundamental tool in future careers, stressing both its advantages and dangers. He emphasized bridging the gap between academia and industry and encouraged students to regularly read IEEE Spectrum. He proposed organizing competitions based on IEEE articles to make learning more dynamic. He concluded his speech by expressing his long-term vision to help Green University of Bangladesh become one of the leading universities globally.

Dr. Muhammad Aminur Rahaman, Associate Professor at BUBT and IEEE CS BDC Conference Coordinator, expressed his appreciation for the significant and vibrant growth of IEEE at GUB, particularly the rise in student participation. He praised the innovative leadership of the new Chairperson and emphasized the importance of a strong mindset, student leadership, and overcoming mental barriers to achieve effective leadership. Reflecting on IEEE's foundation at GUB in 2017 under Prof. Dr. Md. Abdur Razzaque, he highlighted the chapter's achievements, including notable awards such as the Best Promising Student Branch Award (2017) and the Best Volunteer Award (2018). Dr. Rahaman also cautioned students against distractions like politics that hinder innovation and reminded them that IEEE membership is a valuable investment in their future through innovation and dedication. Dr. Md. Mostafijur Rahman, Chairperson of the Software Engineering (SWE) Department at GUB, expressed sincere gratitude to the outgoing committee and warmly welcomed the incoming team, wishing them success in driving greater innovation and impact.

The seminar successfully highlighted the transformative role of AI and the importance of student involvement in IEEE to navigate the 5th Industrial Revolution. With insights from experienced academicians and professionals, the event inspired students to embrace change, pursue technical excellence, and contribute meaningfully to academia and industry. The session concluded with optimism for a

future shaped by responsible AI, innovation, and student leadership at GUB.

8.12 Chairperson Meets with First Semester Students before the Midterm Examination (Summer 2025)

On 20th July 2025 (Sunday), the Green University Student Mentorship Program (GUSMP) organized an online session titled "Chairperson Meets with the First Semester Students Before Midterm Examination" via Zoom. Designed for Batch CSE-250 (Day), the session aimed to guide and motivate students ahead of their first midterm exams.



Figure 8.24: The Banner of the program of "Chairperson Meets with First Semester Students Regarding Exam Preparation"

The meeting commenced promptly at 8:30 PM, with an impressive turnout of over 120 students. Alongside them, esteemed representatives from the Department of Computer Science and Engineering (CSE) participated, including current mentors, mentor advisors, mentor moderators, mentorship program coordinators, and accounts officials. The session focused on delivering academic guidance, motivational insights, and practical exam strategies to help students feel confident and prepared for their upcoming assessments.

The session began with a warm welcome from Irfan Ferdous Siam, the event anchor and a current mentor, who highlighted the mentorship program's role in fostering collaboration and academic confidence. Faysal Hossain Tomal, a senior mentor with extensive experience, shared valuable advice, emphasizing the importance of consistency and balance in exam preparation. He stated, "There is no shortcut to success. Consistent practice, proper time management, and maintaining mental well-being are the keys to perform well."

Mr. Mahibubur Rahman, Lecturer, Program Coordinator and Mentor Moderator, addressed the students by encouraging them to stay focused and actively utilize the mentorship program. He provided essential insights of exam-day protocols. He reminded the students to arrive at the exam center timely, clarified the importance of printing the admit card in advance and discussed the make-up examination. Additionally, he briefly demonstrated the downloading procedure of admit card and bill history checking.

Mr. Syed Absarul Kahir, Associate Chairperson of CSE & Associate Professor, motivated students to face their first midterm examinations with determination and a positive mindset. He reminded them that success comes from consistent effort and preparation, stating, "Discipline and regular study habits are the foundation of academic excellence. Make the best use of the mentorship support available to

you—it is here to help you succeed.”

Prof. Dr. Md. Ahsan Habib, Chairperson of CSE, then took the floor and discussed the importance of the Mentorship Program in guiding freshers toward academic success. He encouraged the students to utilize the mentorship system to seek help and advice whenever needed. He also mentioned a celebration program at the end of the semester, expressing his hope that students would attend with a happy and satisfied mindset after successfully completing their first semester. He further inspired the students with a powerful address. Highlighting the importance of adopting the right attitude toward learning, he said, “The midterm is just the beginning of your journey. Stay curious, be disciplined, and remember that your mentors and faculty members are always here to guide you. Together, we can achieve excellence.” He concluded by thanking all the faculty members, guests, and mentors for their valuable contributions to the session.

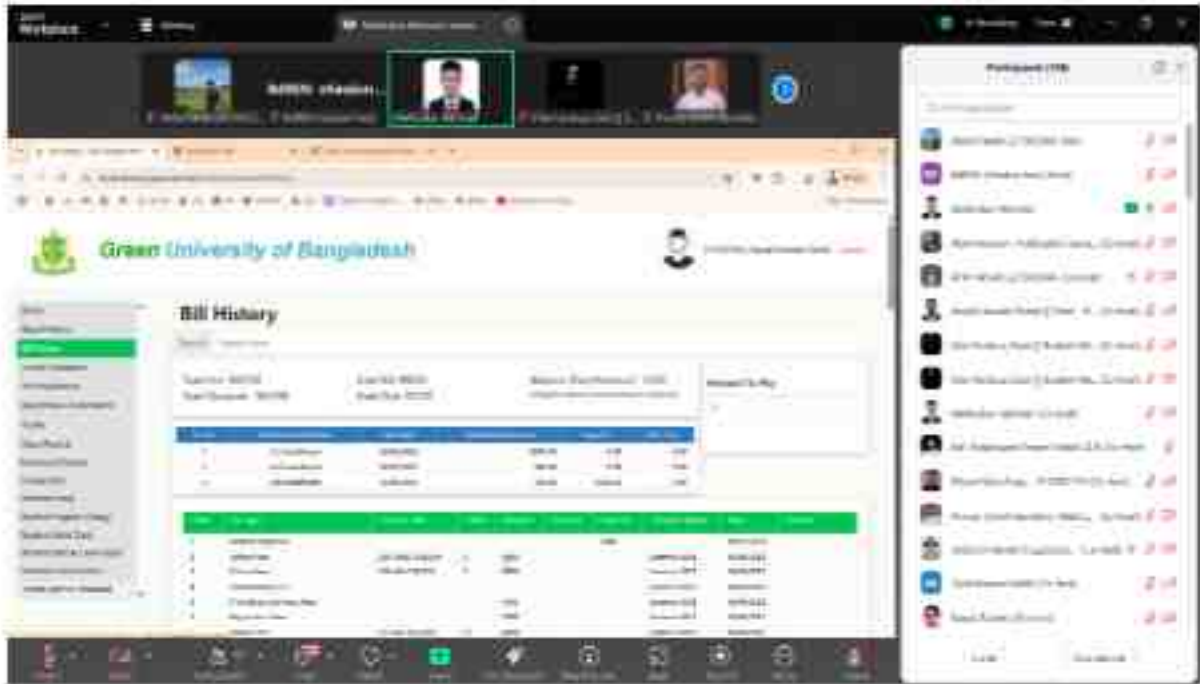


Figure 8.25: Mr. Mahbubur Rahman, Lecturer, Program Coordinator, and Mentor Moderator, shared insights on exam-day protocols.

The session ended with an interactive Q&A, where students sought advice on exam strategies, time management, and stress management. The Chairperson and faculty shared practical tips, leaving students motivated and confident. The meeting concluded on an encouraging note, with participants expressing gratitude and feeling prepared to face their upcoming midterms with renewed determination and a positive mindset.

8.13 Towards Data-Efficient and Interpretable Computer Vision: Advances in Few-Shot Learning and Explainable AI

The IEEE Computer Society Student Branch Chapter, GUB, together with the IEEE Student Branch, GUB, successfully organized an insightful seminar titled “Towards Data-Efficient and Interpretable Computer Vision: Advances in Few-Shot Learning and Explainable AI” at Green University of Bangladesh.



Figure 8.26: The keynote address by Prof. Dr. Mohammad Shorif Uddin, SMIEEE, Vice-Chancellor of Green University of Bangladesh.

The Department of CSE and the AI & ML Research Cell hosted the event, with support from the IEEE Bangladesh Section. The event welcomed approximately 300 participants, including faculty members, researchers, IEEE members, and students passionate about AI.



Figure 8.27: Moments of joy and camaraderie among the participants of the event.

Prof. Dr. Md. Ahsan Habib Tareq, SMIEEE, Professor, Department of CSE, Green University of Bangladesh, inaugurated the seminar by highlighting IEEE's role in connecting academia and industry. The keynote address by Prof. Dr. Mohammad Shorif Uddin, SMIEEE, Vice-Chancellor of Green

University of Bangladesh, covered impactful topics such as Few-Shot Learning, Federated Learning, and Explainable AI, inspiring participants to explore emerging research opportunities. Moving beyond surface-level overviews, he unpacked their theoretical underpinnings, real-world implementations, and transformative potential across industries. His address didn't just inform; it challenged participants to rethink conventional research pathways and inspired them to position themselves at the forefront of these rapidly evolving fields.

The program concluded with the recognition of student achievements, encouraging continued innovation and learning. We sincerely appreciate the support and participation of our faculty members and look forward to organizing more hands-on experiences to help students learn, create, and grow.

8.14 University Activation Program 2025

The University Activation Program (UAP) 2025 was successfully organized at Green University of Bangladesh under the initiative of the IDEA Project, implemented by the Bangladesh Computer Council (BCC) under the ICT Division of the Government of Bangladesh. As part of the nationwide activation activities, the program was held on 19 September 2025, featuring a series of sessions aimed at inspiring students toward innovation, entrepreneurship, and startup development.



Figure 8.20: Banner of University Activation Program 2025

The program included discussions on several important topics, including activities and opportunities under the IDEA Project, startup idea development, pitching and fundraising strategies, business model creation, and the step-by-step process of becoming an entrepreneur. These sessions were designed to provide students with practical insights into transforming innovative ideas into sustainable business ventures.

The program was graced by Mr. Md. Abu Saeed, Executive Director (Additional Responsibility), Bangladesh Computer Council, as the Chief Guest. Professor Dr. Khauza Iftekhar Uddin Ahmed, Pro-Vice Chancellor of Green University of Bangladesh, attended the program as the Special Guest. The presence of the GUCC Moderator, Deputy Moderator, and the Chairperson of the Department of Computer Science and Engineering (CSE) further enriched the event and made the sessions more engaging for the students.



Figure 8.29: Participants of the event at University Activation Program 2025

The program featured several expert-led sessions designed to provide practical knowledge and entrepreneurial guidance. The Masterclass Session was conducted by Mr. Ashraf Hossain Sachin, Founder and CEO of Kinso Stores, where he shared real-world experiences and insights into startup development. The Pitch Deck and IDEA Pre-Seed Grant Session, conducted by Mr. Siddhartha Goswami, Senior Consultant of the IDEA Project, focused on effective pitching strategies and funding opportunities available for startups. The Expert Advisory Session, conducted by Mr. Md. Ashikul Islam, Consultant and Research Engineer of the IDEA Project, provided professional guidance on refining startup ideas and navigating early-stage entrepreneurial challenges.



Figure 8.30: Participants actively engaging in a question-and-answer session during the University Activation Program 2025 at Green University of Bangladesh.

The closing statement of the program was delivered by Professor Dr. Md. Ahsan Habib, Chairperson of the Department of Computer Science and Engineering (CSE), Green University of Bangladesh. He emphasized that the University Activation Program 2025 would play a significant role in encouraging young minds to engage in innovation, develop technology-driven initiatives, and contribute to the national startup ecosystem.

The program served as an important platform for fostering innovation, strengthening the entrepreneurial mindset among students, and connecting academic learning with real-world startup opportunities.

8.15 Internship Fair & Career Expo 2025

The “Internship Fair & Career Expo 2025” was successfully organized at Green University of Bangladesh on 27 December 2025. The event featured a Career Talk session and multiple panel discussions aimed at preparing students and graduates for their professional careers while creating opportunities for direct interaction with industry experts. With the participation of more than 70 leading companies and organizations, the expo served as an exceptional platform for networking, career exploration, and employment opportunities.



Figure 8.31: A crest of appreciation is given to the guests

The program was designed to address key aspects of professional development, including leadership and teamwork, the transition from campus to corporate life, career growth and advancement, emerging industry trends, future workforce demands, and the development of essential professional skills. These themes provided participants with a comprehensive understanding of the modern job market and the competencies required for career success. A special Career Talk session was conducted by S. M. Muqtadirul Haq, Assistant Brand Manager at Akij Venture. His session focused on the importance of leadership and teamwork in professional settings. He shared practical insights on career development, workplace adaptability, and the significance of cultivating interpersonal and leadership skills for long-term success.



Figure 8.32: Moments of joy and camaraderie among the participants of the event.

The event also featured a series of highly engaging panel discussion sessions. The first panel, titled “From Campus to Corporate: Transition Challenges and Solutions,” was moderated by Mohammed Tareque Aziz. Esteemed human resource professionals from organizations such as Elite Paint, US-Bangla Group, Esquire Electronics Ltd., and Shakti Foundation discussed the challenges students face when transitioning from academic life to the corporate environment and offered practical strategies for overcoming them.



Figure 8.14: The honourable VC/ sir, Dean, PSE visited the Internship Fair & Career Expo 2025

The second panel, “Industry Innovators: Shaping Tomorrow’s Workforce,” was moderated by M. Abdullah Al Mamun. Experts from Honda Power Products Bangladesh, NextJobz, SKRP Group, Dekko Foods Ltd., and Anwar Group shared their perspectives on evolving industry trends, innovation, and the skills that will define the workforce of the future. The final panel discussion, titled “Navigating Your Career Path: From Entry-Level to Executive,” was also moderated by M. Abdullah Al Mamun. Industry professionals from Ha-Moem Group, Renaissance Group, and Crown Cement provided valuable guidance on career progression, leadership development, and strategies for advancing from entry-level positions to executive roles. Overall, the Internship Fair & Career Expo 2025 successfully created a meaningful bridge between academia and industry. It enabled participants to gain real-world insights, enhance their career readiness, and explore diverse internship and employment opportunities. The event proved highly beneficial for students and graduates, reinforcing the university’s commitment to supporting professional development, industry engagement, and career success.

8.16 IEEE Olympiad GUB 2025

IEEE Day 2025 at Green University of Bangladesh (GUB) was a remarkable celebration of creativity, knowledge, innovation, and collaboration. The event was organized by the **IEEE Student Branch GUB**, in association with the **IEEE Computer Society SBC GUB** and the **IEEE PES GUB SBC**.

This year’s IEEE Day featured a series of inspiring and engaging activities designed to foster innovation, learning, and the true spirit of IEEE. The major highlights of the celebration are presented below.



Figure 8.34: Official poster of the IEEE Olympiad GUB 2025

8.16.1. IEEE Day Rally

To celebrate the spirit of IEEE, a vibrant **IEEE Day Rally** was held on **October 11, 2025**, at **9:30 AM**. Students, volunteers, and faculty members participated in the rally across the GUB campus. The event symbolized collaboration, creativity, unity, and enthusiasm among the participants.

8.16.2. Seminar on “How to Write a Journal Manuscript: From Draft to Publication”

An insightful seminar titled “How to Write a Journal Manuscript: From Draft to Publication” was conducted on **October 11, 2025**, at **10:00 AM**.

The seminar featured **Dr. Md. Abdur Razzaque**, SMIEEE, Professor and Chairman of the Department of Computer Science and Engineering, University of Dhaka, as the keynote speaker.



Figure 8.35: The keynote speaker being welcomed with a floral bouquet during the seminar on “How to Write a Journal Manuscript: From Draft to Publication”.

His valuable presentation provided participants with practical guidance on effective research writing and the complete process of preparing a journal manuscript, from the initial draft to final publication. The seminar attracted more than **90 enthusiastic attendees**, making it a highly successful academic session.

8.16.3. IEEE Olympiad GUB 2025

The IEEE Olympiad GUB 2025 was held on **October 12, 2025**. The competition provided participants with an opportunity to demonstrate their knowledge and problem-solving abilities in IQ, logical reasoning, and core engineering concepts.



Figure 8.36: Participants taking part in the IEEE Olympiad GUB-2025, demonstrating their knowledge, logical reasoning, and engineering skills.

The Olympiad was conducted in the following two categories:

1. **Senior Level (Batch 221–232)**

More than 30 students participated in the Senior Level competition, which was held from **11:00 AM to 11:45 AM**.

2. **Junior Level (Batch 241–252)**

More than 40 students participated in the Junior Level competition, which was held from **12:00 PM to 12:45 PM**.

Senior Level: Top Five Winners

1. M. A. Rakib Sarker (223002114)
2. Md. Mainul Islam Nerob (221002052)
3. Sajib Saha (223002076)
4. Mehreen Jerin Khan (222902019)
5. Ms. Sadia Hasan Epo (223902007)

Junior Level: Top Five Winners

1. Md. Tahmid Miazl Anas (252002088)
2. Abdullah Md. Galib (251002029)
3. Md. Anikur Rahman (252002104)
4. Riazul Islam Shanto (252002106)
5. Najib Mahmud Labib (242002079)

All participants will receive digital certificates in recognition of their participation. In addition, the top five winners from each category will receive printed certificates in recognition of their outstanding achievements.



Figure 8.37: Students, faculty members, and volunteers participating in the IEEE Day Rally

We sincerely thank all the participants, volunteers, organizers, and faculty members whose dedication and contributions made IEEE Day 2025 a memorable and successful celebration. Their enthusiasm, commitment, and teamwork reflect the strong spirit of innovation, collaboration, and excellence that defines IEEE at Green University of Bangladesh.

8.17 Work in Japan - Shape Your Future

the seminar titled "Work in Japan: Shape Your Future!" was successfully held on October 20, 2025, at Seminar Hall A-302, Green University of Bangladesh. The event was organized by the IEEE Computer Society Student Branch Chapter, GUB, and co-organized by the IEEE Student Branch, GUB.



Figure 8.38: The Banner of the program of "Work in Japan - Shape Your Future"

The session commenced at 10:10 AM with an inaugural address by Professor Dr. Md. Ahsan Habib Tareq, Chairperson, Department of CSE, GUB. His inspiring words on global industrial development and the opportunities in Japan set a motivating tone for the day. The event featured distinguished speakers and special guests, including:

- Dr. Tadashi Ohtake, International HR Consultant, IMAS Co., Ltd., Japan
- Mr. Shirako, Director, IMAS Co., Ltd., Japan
- Dr. Firoz Alam Chowdhury, Environmental Scientist
- Mr. Mahfuz Kamal, Project Manager, Rakuten Group Inc.



Figure 8.39: Moments of joy and camaraderie among the participants of the event.

The seminar provided students with valuable insights into Japan's professional landscape, scholarship opportunities, and the pathways for working and studying in Japan. The keynote presentations, particularly by Dr. Ohtake, shed light on Japan's labor market, the importance of language proficiency (JLPT), and the innovative "One-Stop Solution" initiative by IMAS Co. Ltd. The event concluded successfully with an interactive Q&A session, certificate distribution for Olympiad winners, and a group photo session with faculty members and distinguished guests. The seminar received highly positive feedback from participants and effectively motivated students to prepare for global career opportunities.

8.18 Chairperson Meets with First Semester Students before the Midterm Examination (Fall 2025)

The Department of Computer Science and Engineering (CSE) at Green University of Bangladesh organized an online session titled "Chairperson Meets with First Semester Students before the Midterm Examination (Fall 2025)" on 30 October 2025 under the Student Mentorship Program. The session was designed specifically for first-semester students to prepare, guide, and motivate them ahead of their upcoming midterm examinations.



Figure 8.40: The Banner of the program of "Chairperson Meets with First Semester Students Regarding Exam Preparation"

The program began with a welcome address by Pronoy Sarkar, who warmly greeted the new students

and acknowledged their transition into university life. He encouraged them to stay motivated and confident while adapting to the academic challenges of higher education. Following this, Mahbubur Rahman, Program Coordinator of the CSE Department, provided detailed guidance on the administrative and logistical aspects of the examination. He explained the process of downloading admit cards, checking exam routines, and accessing seat plans through the student portal. He also emphasized important exam regulations, including the prohibition of electronic devices and the strict zero-tolerance policy regarding unethical practices.

Syed Absarul Kabir, Associate Chairperson and Professor of the CSE Department, addressed the students by highlighting the importance of maintaining a strong CGPA from the very first semester. He encouraged students to make effective use of faculty counseling hours and stressed the importance of proper preparation, punctuality, and attentiveness during examinations.



Figure 8.41: Participants actively engaging in a question-and-answer session during the program

The session was further enriched by the address of Professor Dr. Md. Ahsan Habib, Chairperson of the CSE Department. He welcomed the students and discussed the transition from Bangla-medium to English-medium instruction, emphasizing the importance of adapting to the new academic environment. He also encouraged students to utilize university resources effectively and remain focused on their academic goals. Professor Dr. Md. Saiful Azad, Dean of the Faculty of Science and Engineering, provided a comparative perspective between SSC/HSC examination systems and university-level evaluations. He introduced the concept of three stages of exam-taking—before, during, and after the exam—and highlighted the importance of ethical learning practices, proper use of AI tools, self-care, and punctuality. He strongly reinforced the university's strict stance against academic dishonesty. Additionally, Mohammed Khorsheed Alam, Deputy Director of Finance & Accounts, addressed students regarding essential administrative requirements, particularly the importance of clearing all university dues prior to examinations. The session concluded with an interactive question-and-answer segment led by the Chairperson, where students actively participated and received clarification on academic policies, examination procedures, and support services. The meeting served as a comprehensive initiative to prepare first-semester students both academically and mentally, ensuring they approach their midterm examinations with confidence, awareness, and integrity.

8.19 Online Orientation Session for Newly Joined Faculty Members

The Department of Computer Science and Engineering (CSE) at Green University of Bangladesh, through its Departmental Teaching-Learning Excellence Coordination Board, organized an online session titled “Online Orientation Session for Newly Joined Faculty Members” on 21 October 2025 at 9:00 PM via Zoom. The session was arranged to provide essential orientation and guidance to newly recruited faculty members, ensuring their smooth integration into the department’s academic and administrative environment.



Figure 8.42: Hands-on guidance on using MS Teams, E-File, and E-Ticket systems

The program was designed with the objective of familiarizing new faculty members with the department’s academic structure, teaching methodologies, and quality assurance practices. It reflected the department’s ongoing commitment to maintaining high standards in teaching, learning, and professional conduct. During the session, participants were introduced to several key academic practices and evaluation frameworks. Discussions included KSA-based assessment strategies, the preparation of structured question-answer schemas, CO-PO mapping techniques, and the proper completion of moderation forms. These components were explained in detail to ensure that faculty members can effectively align their teaching and assessment methods with the department’s academic outcomes.

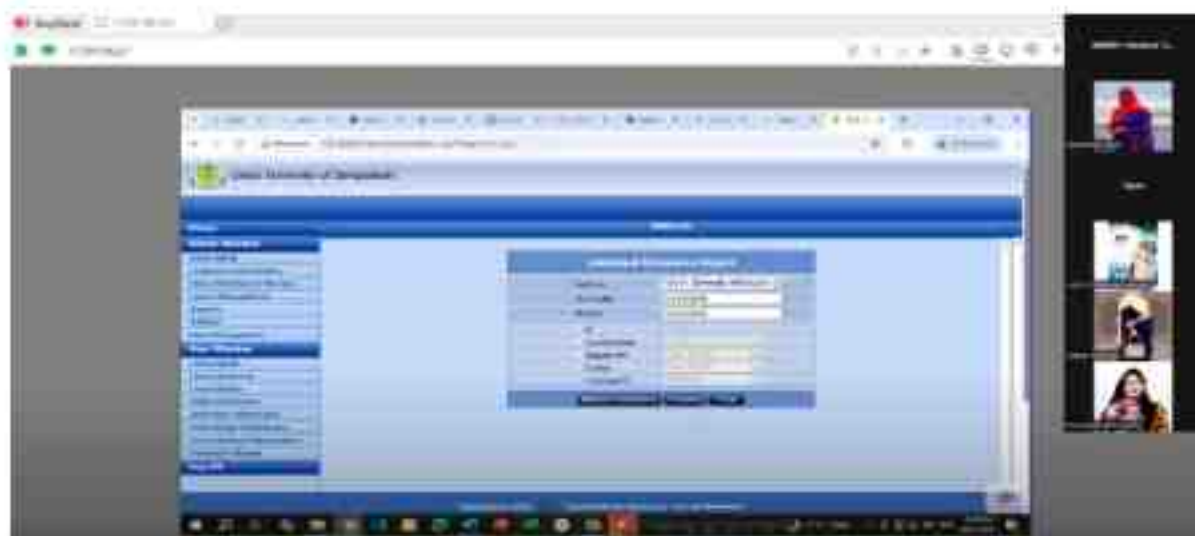


Figure 8.43: Hands-on guidance on using MS Teams, E-File, and E-Ticket systems, which play a crucial role in communication, documentation, and workflow management.

The session also addressed important administrative responsibilities such as effective office hour management and standardized procedures for result preparation. These guidelines were intended to help faculty members maintain consistency, transparency, and efficiency in their academic duties. In addition to theoretical discussions, the session featured practical demonstrations of essential digital platforms and tools used within the department. Faculty members received hands-on guidance on using MS Teams, E-File, and E-Ticket systems, which play a crucial role in communication, documentation, and workflow management. The interactive nature of the session allowed participants to engage in discussions, ask questions, and gain a clearer understanding of departmental expectations and best practices. Emphasis was placed on maintaining teaching excellence, professional integrity, and a student-centered approach in all academic activities. Overall, the orientation session proved to be highly informative and effective in achieving its objectives. It is expected that the knowledge and skills gained will enable newly joined faculty members to contribute efficiently and uphold the academic standards of the department.

8.20 Cyber Security and Ethical Hacking – Learning to Protect Digital Assets and Combat Cyber Threats

The webinar titled “Cyber Security & Ethical Hacking – Learning to Protect Digital Assets and Combat Cyber Threats” was successfully held on November 4, 2025, at 8:00 PM via Zoom, with the enthusiastic participation of 119 attendees.

The banner features a dark blue background with a subtle grid pattern. At the top, the text 'WEBINAR ON' is in white, followed by the title 'Cyber Security & Ethical Hacking - Learning to Protect Digital Assets and Combat Cyber Threats' in orange and white. Below the title, two speakers are highlighted: 'KEYNOTE SPEAKER & CHIEF GUEST' Mr. Tanjilur Rahman and 'SESSION CHAIR' Prof. Dr. Md. Ahsan Hossain, SP. The bottom section includes the date 'Date: 4th November, 2025', time 'Time: 08:00 PM', and platform 'Platform: Zoom'. Logos for Green University, IEEE GUB, and PeopleNTech are displayed at the bottom.

WEBINAR ON

Cyber Security & Ethical Hacking - Learning to Protect Digital Assets and Combat Cyber Threats

KEYNOTE SPEAKER & CHIEF GUEST

Mr. Tanjilur Rahman
Senior Faculty, Cyber Security
PeopleNTech Institute of IT & Cyber Security
Expert and Head of Cyber Security
Aspire to Innovate (a2i) Programme
ICT Division, Govt.

SESSION CHAIR

Prof. Dr. Md. Ahsan Hossain, SP
Chairman, Department of CSE
Green University of Bangladesh
Branch Campus: IEEE GUB
Address: IEEE GUB, GUB

Date: 4th November, 2025 **Time: 08:00 PM** **Platform: Zoom**

ORGANIZED BY **CO-ORGANIZED BY** **IN ASSOCIATION WITH**

GREEN UNIVERSITY **IEEE GUB** **PEOPLE N TECH**

Figure 8.44: Webinar on Cyber Security and Ethical Hacking organized at Green University of Bangladesh.

The session featured a highly informative three-hour keynote presentation delivered by Mr. Md. Tanjilur Rahman, Senior Faculty of Cyber Security at PeopleNTech Institute of IT and Head of Cyber Security at the Aspire to Innovate (a2i) Programme, ICT Division, Government of Bangladesh. With over 25 years of professional experience and globally recognized credentials, including C|EH, CISA, CCNA, and multiple Microsoft certifications, Mr. Rahman provided participants with a comprehensive and practical learning experience.



Figure 8.45: Practical demonstration on Windows system hacking and cybersecurity vulnerabilities.

His presentation covered core cybersecurity concepts, including the CIA Triad, roles and responsibilities of Ethical Hackers (White Hat Hackers), and the risk assessment model. He also elaborated on common cyber threats, including Phishing, Malware, SQL Injection, and DDoS Attacks. He discussed the Five Phases of Hacking. A highlight of the webinar was a live demonstration on Windows System Hacking, where Mr. Rahman illustrated how system misconfigurations can be exploited using Kali Linux against a Windows Server 2008 environment. The demonstration was designed to accommodate both beginners and advanced learners, ensuring that all participants gained valuable insights into real-world cybersecurity practices. During the interactive Q&A session, participants expressed great interest in learning how to begin a career in cybersecurity, exploring beginner-friendly projects, and pursuing globally recognized certifications.

In the closing remarks, Prof. Dr. Md. Ahsan Habib, Chairperson of the Department of CSE, GUB, and Advisor of IEEE CS SBC GUB, congratulated the organizing team for the successful completion of the event. He inspired students to dream big and announced upcoming campus-industry collaboration programs aimed at enhancing practical learning and career readiness.

8.21 The AI/ML/IoT Bootcamp – 5 Days of Hands-On Learning!

The AI/ML/IoT Bootcamp 2025, organized by the IEEE Computer Society Student Branch Chapter, Green University of Bangladesh, in collaboration with Bondstein Technologies Limited and powered by the Ministry of Posts, Telecommunications and Information Technology of Bangladesh, was successfully completed. The five-day program, beginning with the inauguration and concluding with the final project demonstrations, received active participation from students across multiple departments. The entire bootcamp was conducted smoothly and effectively, maintaining a strong balance between theoretical knowledge and hands-on practical experience.



Figure 8.46: Official banner of the AI/ML/IoT Bootcamp 2025.

8.21.1. Summary of Bootcamp Activities

Day 1: Inauguration and AI/ML Fundamentals

The bootcamp commenced with an inauguration session, followed by introductory lectures on Artificial Intelligence, Machine Learning, Deep Learning, and Computer Vision. A live demonstration of an object detection system was also conducted to introduce participants to real-time AI applications.

Day 2: Edge Device Setup and IoT Segment



Figure 8.47: Participants attending an interactive session of the AI/ML/IoT Bootcamp 2025.

Participants configured Raspberry Pi and Jetson Nano devices, connected camera modules, and implemented Python scripts using OpenCV for real-time video streaming. This session introduced the participants to edge computing and IoT-based hardware configurations.

Day 3: Real-Time AI with YOLOv8

Students installed the Ultralytics library and executed a pre-trained YOLOv8 model on their edge devices. Through this activity, they successfully implemented real-time person and object detection systems.

Day 4: Understanding AI Model Development

The session covered the complete AI model development pipeline. Participants performed dataset annotation using platforms such as Roboflow and CVAT and trained custom machine learning models using Google Colab.

Day 5: IoT Integration and Final Demonstrations

Participants integrated AI-based detection systems with IoT hardware responses by modifying Python scripts to trigger alerts and control LED indicators. The session concluded with final project demonstrations and discussions on real-world AIoT applications and future technological prospects.

8.21.2. Participation and Learning Outcomes

Throughout the bootcamp, student participation, enthusiasm, and engagement remained highly encouraging. The program provided participants with valuable exposure to modern technologies related to Artificial Intelligence, Machine Learning, Computer Vision, edge computing, and the Internet of Things.



Figure 8.48: Certificate presentation during the closing session of the AI/ML/IoT Bootcamp 2025.

The combination of theoretical sessions and practical activities significantly strengthened the participants' technical understanding, problem-solving abilities, and hands-on skills in developing AI and IoT-based applications.

8.21.3. Internship and Collaboration Opportunities

Bondstein Technologies Limited expressed interest in offering internship opportunities to eligible students. The organization also invited students to submit AI, Machine Learning, and IoT-related projects for evaluation and potential future collaboration.

Students from the **Department of Computer Science and Engineering**, the **Department of Electrical and Electronic Engineering**, and the **Department of English** regularly attended the sessions. Certificates were awarded to the active participants in recognition of their participation, commitment, and successful completion of the bootcamp.

We sincerely acknowledge the contributions of the organizers, trainers, volunteers, participating students, Bondstein Technologies Limited, and the supporting authorities whose efforts made the AI/ML/IoT Bootcamp 2025 a successful and impactful program.

9

Conclusion

In conclusion, the Computer Science and Engineering (CSE) department at Green University of Bangladesh (GUB) stands as a beacon of excellence in the field of computational technology. With a steadfast commitment to providing high-caliber education and research opportunities, the department has garnered recognition both domestically and internationally. The success of its graduates in securing employment in reputable companies, pursuing higher studies abroad, and making significant contributions to the industry is a testament to the department's dedication to excellence. Furthermore, the department actively promotes intellectual exchange and professional development through a series of webinars, seminars, and workshops. These events provide students and faculty members with opportunities to interact with leading experts, stay updated on the latest trends and developments in the field, and enhance their skills and knowledge. Additionally, faculty research and various club activities further enrich the academic experience, fostering a culture of research, innovation, and community engagement within the department. With a focus on continuous improvement and innovation, the CSE department at GUB remains committed to shaping the future of computational technology and producing leaders in the field.

