



RUET ECE CLUB



A LEGACY OF LEARNING, LEADERSHIP & INNOVATION



<https://facebook.com/ruetECEclub>

August - September 2026

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Technocracy Lite 2026

The Ultimate Festival of Technology, Innovation & Programming



A Festival of Technology, Creativity & Innovation

RUET ECE Club was the Official Club Partner for the Technocracy Lite, which was organized by Dept. of ECE. Technocracy Lite 2026 was one of the most exciting technical events of the year, bringing together passionate students from across RUET to celebrate innovation, collaboration, and engineering excellence. Designed to bridge academic knowledge with practical application, the event created an inspiring platform where participants transformed ideas into solutions, challenged themselves through competition, and showcased their technical potential.

The event featured a diverse range of activities centered around programming, artificial intelligence, software development, and problem-solving. Students from different departments worked together, exchanged ideas, and demonstrated their creativity in a highly competitive yet collaborative environment. Throughout the day, Technocracy Lite fostered teamwork, innovation, and hands-on learning.

Technocracy Lite 2026 reflected the RUET ECE Club's commitment to fostering a culture of innovation and technical excellence. By combining competitive programming, hackathons, and collaborative learning, the event inspired students to think creatively and prepare themselves for the ever-evolving world of technology.



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Codeক্যাচাল

Intra-RUET ICPC-Style Programming Contest

One of the flagship competitions of Technocracy Lite 2026, Codeক্যাচাল challenged teams to solve complex algorithmic problems in a 4-hour ICPC-style programming contest. Participants demonstrated analytical thinking, teamwork, and coding excellence while competing in an exciting and highly competitive environment. The contest strengthened the culture of competitive programming at RUET and inspired students to enhance their problem-solving abilities.



HackSpark

AI & API-Based Innovation Hackathon

HackSpark brought together innovative minds for an intensive 20-hour AI & API-based hackathon, where teams developed creative solutions to real-world challenges. Participants explored modern technologies, collaborated under time constraints, and transformed ideas into functional prototypes. The competition highlighted creativity, rapid development, and practical innovation while providing valuable hands-on experience in emerging technologies.

Moments from Technocracy Lite 2026



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Firmware Development – Starts from Zero

A Hands-on Firmware Development Workshop

16–17 August, 2026

**Speakers: Md. Zulfikar Ali,
Managing Director, DreamOnline
Limited**

Turning Concepts into Code

The Department of Electrical & Computer Engineering (ECE), RUET successfully organized a two-day hands-on workshop titled "Firmware Development - Starts from Zero," held from 16–17 August 2026. The workshop was conducted by Md. Zulfikar Ali, Managing Director, DreamOnline

Limited, whose guidance, practical demonstrations, and industry-oriented insights provided participants with valuable exposure to real-world firmware development. The workshop was designed to introduce participants



to the fundamentals of firmware development and provide practical exposure to the process of turning concepts and code into real-world embedded applications. Through hands-on activities, live demonstrations, and interactive problem-solving sessions, participants had the opportunity to strengthen their understanding of firmware development from the ground up, while gaining insight into how theoretical coursework translates into functional, deployable systems. Sessions combined conceptual walkthroughs with challenge-based exercises, encouraging

participants to think critically and apply problem-solving approaches to embedded systems tasks. The enthusiastic participation, practical learning, and engaging discussions made the two-day workshop a valuable experience for everyone involved, reinforcing the department's continued focus on bridging academic knowledge with hands-on industry practice, equipping students with essential technical competencies in low-level programming, hardware abstraction, peripheral driver configuration, and real-time system debugging to navigate modern engineering markets and launch successful embedded software development careers.



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Dr Julfikar Haider

Tasiyaah Kingshook

25 July, 2025

The Research Edge: Thinking Beyond the Classroom

Speakers: Dr. Julfikar Haider & Tasiyaah Kingshook

Inspiring Students to Explore Research Beyond Academics

The session encouraged students to think beyond traditional coursework and explore research as a pathway to innovation and higher studies. Dr. Julfikar Haider and Tasiyaah Kingshook shared valuable insights on identifying research opportunities, developing critical thinking, and preparing for graduate studies. The interactive discussion motivated participants to embrace curiosity and pursue impactful research.



LFR Workshop Level 01

Instructors: MD Tajim An Noor & Rahul Debnath

Learning the Fundamentals of Line Follower Robots

Designed primarily for the 22 Series, the Level 01 LFR Workshop introduced students to the basics of line follower robots.

Participants learned about sensors, motor drivers, microcontrollers, IR and robot assembly while gaining hands-on experience with hardware components. The workshop laid a strong foundation for future robotics competitions and embedded systems projects.

27 July, 2025

Career Workshop: Jobs in Software Engineering – I

1 August, 2025



Speakers: Emama Nahid & Mohammad Lutfar Rahman Rifat

Exploring Career Opportunities in Software Engineering

The first session of the Software Engineering Career Workshop Series introduced students to the software industry's career landscape. The speakers discussed essential programming skills, problem-solving, interview preparation, and career roadmaps for ECE graduates. Students gained valuable insights into transitioning from engineering to software development.

LFR Workshop Level 02

3 August, 2025



Instructors: MD Tajim An Noor & Rahul Debnath

Advancing Practical Robotics Skills

Building upon the previous session, Level 02 focused on advanced line follower robot development. Participants explored PID control, sensor calibration, speed optimization, and competition strategies through practical demonstrations and hands-on implementation.

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7 August, 2025

White-Belt Cybersecurity Training (Level-1)

Instructors: MD. Tonmoy Hossain Jifat & MD. Sabbir Hosen

Building the First Step Toward Cybersecurity

This introductory cybersecurity training familiarized students with digital security fundamentals, cyber threats, ethical hacking concepts, and online safety practices. The workshop inspired participants to explore cybersecurity as a promising career field while strengthening their awareness of digital protection.



Web Development & Foundations in the AI Era

Speakers: Nabila Ferdous Prapty, Humayra Tasnim Adiba & Nur Farhan Bubun

Building Modern Web Skills in the AI Era

The RUET ECE Club conducted a hands-on workshop on HTML, CSS, Git, and GitHub, equipping students

with the fundamentals of modern web development. The session also highlighted the growing role of these technologies in the AI era, enabling participants to build a strong foundation in development, version control, and collaborative software engineering.

14 August, 2025

Career Workshop: Jobs in Software Engineering – II

16 August, 2025

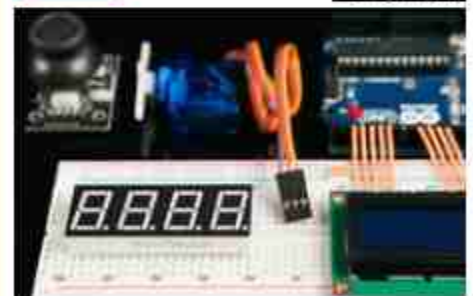


Speakers: Mashrief Bin Zulfiquer & Shahwat Hasnaine

From Skills to Success in Software Engineering
Continuing the Software Engineering series, this session focused on resume building, portfolio development, interview techniques, and industry expectations. Students learned practical strategies to strengthen their profiles for internships and full-time software engineering positions.

Workshop on Microcontrollers & Arduino

20 August, 2025



Instructors: Rahul Debnath & Tanjim Jahan Joy

Bringing Electronics Projects to Life

The RUET ECE Club organized a hands-on Microcontrollers & Arduino Workshop, conducted by Rahul Debnath and Tanjim Jahan Joy, to introduce students to the fundamentals of embedded systems. Participants explored Arduino programming, sensor interfacing, digital and analog I/O, circuit development, and real-time project implementation. Through practical demonstrations and interactive activities, the workshop provided valuable experience in designing automation and IoT-based applications while strengthening students' understanding of modern electronics and hardware development.

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01 November 2025

From Ideas to Production: Master PCB Designing & Manufacturing

Speakers: Md. Nazat Kabir & Md. Tanjim Jahan

Transforming Circuit Ideas into Reality

This hands-on workshop introduced PCB design principles, schematic development, PCB layout techniques, and manufacturing processes. Participants learned the complete workflow from conceptual design to producing professional printed circuit boards.



Higher Studies in USA & Canada

Speakers: Saleh Mohammed Shahriar, Tahmim Hossain, T M Rubaith Bashar & Sajid Fardin Dipto



The Higher Studies workshop featured Saleh Mohammed Shahriar, Tahmim Hossain, T M Rubaith Bashar, and Sajid Fardin Dipto, who shared their experiences and guidance on pursuing graduate studies abroad. The session

covered university selection, research opportunities, scholarships, application procedures, statement of purpose (SOP) writing, funding options, and preparation for higher education in the USA and Canada. Through practical advice and real-life experiences, participants gained a clear roadmap for planning their academic journey and building competitive applications for internationally renowned universities.

21 September 2025

Career Workshop: Jobs in AI & ML

22 August 2025



Speakers: Abdus Salam & S M Nahid Hasan

Entering the World of Artificial Intelligence

This career-focused session introduced students to Artificial Intelligence and Machine Learning careers. The speakers discussed required technical skills, learning resources, project building, and future opportunities within one of the fastest-growing technology sectors.

Session on Research 1.0

7 March 2025

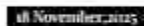


Speaker: Mansura Naznine

Building the Foundation for Research

The RUET ECE Club successfully launched its inaugural Research Session Series with an inspiring talk by Mansura Naznine. The discussion introduced students to the fundamentals of academic research, research methodologies, publication opportunities, and the essential importance of developing a research-oriented mindset. Participants gained practical guidance on taking their first steps toward meaningful research and higher studies.

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21 September 2005

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POWERED BY STICKY LEARNING ACADEMY
GET JOB-READY WITH EXPERT GUIDANCE!

What We Offer:
Professional CV & interview preparation
Skills employers look for
Corporate mindset & communication
Academic-to-Industry transition
Career growth tips from an industry expert



TOP
Outsourcing Partners




7 December 2025

Career Readiness Workshop with Sticky Learning Academy

Speakers: Shubhankar Shil, FCA & Dr. Rajib Hasan

Preparing Students for the Corporate World

In collaboration with Sticky Learning Academy, the RUET ECE Club organized a comprehensive Career Readiness Workshop to help students become industry-ready. The session covered professional CV writing, interview preparation, personal branding, corporate communication, and career planning. Participants also benefited from expert career advice, CV reviews, and insights into the skills employers seek, making the workshop a valuable bridge between academic life and professional success.

CAREER WORKSHOP FOR ECE GRADUATES
(JULY 18, 2025 | 6:00 PM - 8:00 PM)

Pallab Chowdhury
Associate Professor of ECE
Bangladesh University of Engineering & Technology (BUET)

Abir Shahriar Jisha
Senior Lecturer, Department of ECE
The Malaysian University of Science, Malaysia

Tasmin
Lecturer & Program Coordinator, Department of ECE
Bangladesh Army University of Science & Technology

Md. Shahriar Sajid
Associate Professor of ECE
European University of Viadrina

Career Workshop for ECE Graduates: Jobs in Academia

Speakers: Pallab Chowdhury, Abir Shahriar Jisha, Tasmin & Md. Shahriar Sajid

Exploring Academic Careers for ECE Graduates

Organized for graduating ECE students, this workshop focused on building a successful career in academia. The distinguished speakers shared their

experiences as university faculty members and discussed the pathway to becoming a lecturer, higher studies, research, and academic career development. Participants received practical guidance on preparing themselves for teaching and research-oriented professions.

18 July, 2025

Career Workshop: Jobs in Power Sector

06 September 2025

JOBS IN POWER SECTOR





Speakers: Md. Rasel Imran, Istiak Ahmmed & Tahmid Tamzid

Understanding Careers in the Power Industry

The Career Workshop on Jobs in the Power Sector brought together professionals Md. Rasel Imran, Istiak Ahmmed, and Tahmid Tamzid to provide insights into core career paths for ECE graduates. The speakers discussed Bangladesh's power industry structure, recruitment processes, required skills, and career opportunities in generation, transmission, distribution, and renewable energy. Participants received practical guidance on interview preparation, career planning, and evolving sector demands, helping them better prepare for future professional challenges.

Session on Research 3.0

5 April 2025

Guest Speaker
TARIKUL ISLAM TAMITI
PhD Scholar
SABIRU MAJUN UNIVERSITY
MALAYSIA

DATE: 05 APRIL 2025
TIME: 06:30 PM

VENUE: RUET

Speaker: Tarikul Islam Tamiti

Turning Research Aspirations into Reality

The third installment of the Research Session Series featured Tarikul Islam Tamiti, who discussed advanced research strategies, publication processes, and opportunities for international collaboration. Through practical advice and personal experiences, the session motivated students to pursue meaningful research and prepare for graduate studies at leading universities worldwide.