

The E³ Newsletter

Dept. of EEE, UIU

Creating Engineers for a Better World



**UNITED
INTERNATIONAL
UNIVERSITY**

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A legacy of continued success, the UIU CanSat team in full glory over the years.

UIU's brilliant minds have made history at the **CanSat Competition 2025**, securing **1st place in Bangladesh**, **2nd in Asia**, and **7th globally!** Competing for the first time against 80 teams from around the World, Team **UIU-ASCEND** showcased exceptional innovation and engineering prowess in the prestigious event sponsored by NASA, Siemens, and Lockheed Martin. Dive into their journey and future ambitions inside!



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UIU Shines at CanSat Competitions 2024 and 2025

A group of bright students from United International University (UIU) proudly represented Bangladesh in the prestigious CanSat Competition, organized by the American Astronautical Society (AAS) and sponsored by top organizations like NASA, U.S. Naval Research Center, Siemens, Lockheed Martin, and so on. The challenge was to design, build, and launch mini satellites shaped like soda cans that perform real-world aerospace tasks.

In 2024, Team UIU ASTRO (ID: 2043) ranked 1st in Bangladesh, 3rd in Asia, and 11th globally among 80 teams. Their mission involved sending telemetry data, autonomous mechanisms, and safely landing a hen's egg with a heat shield and parachute. The final round took place in Staunton, Virginia, USA, from June 6–9, 2024.

In 2025, Team UIU ASCEND (ID: 3158) went even further, placing 1st in Bangladesh, 2nd in Asia, and 7th worldwide among 67 teams. This time, the main mission was to design and build a container that would hold the payload of the

cansat, after being released from the rocket, automatically drop a parachute, and deploy the payload from container with auto-gyro descent control system when it reached 75% of its peak altitude. The final round was held in Staunton, Virginia, from June 5–8, 2025.

The 2024 team had 10 students from EEE and CSE, led by Md. Zidan Talukder, with guidance from Dr. M. Rezwan Khan, Professor Emeritus, Dr. Raqibul Mostafa, Professor, Dr. Sadid Muneer, Associate Professor, Nadeem Chowdhury, Lecturer, and notable others from EEE.

The 2025 team included 9 students, led by Md. Abdullah Al Sad, with support from Dr. M. Rezwan Khan, Professor Emeritus, and Dr. Sadid Muneer, Associate Professor. These achievements reflect the skill, dedication, and teamwork of UIU's students and faculty members. Their back-to-back success in an international aerospace challenge is a proud milestone, inspiring future engineers to dream bigger.



Team UIU ASCEND at the CanSat Competition 2025, Virginia, USA

MATE ROV World Championship, 2025

The UIU MARINER, Bangladesh's first-ever university team from United International University (UIU) won 5th place Globally, 1st among the Asian teams of the PIONEER Class in the 2025 MATE ROV World Championship Competition. The team also secured 1st place in Asia and was named Technical Documentation Champion. The competition was held on 17-12 June 2025 at the Thunder Bay National Marine Sanctuary in Alpena, Michigan, USA and was organized by the Marine Technology Society, USA.



UIU Mars Rover Team in University Rover Challenge 2025, USA

UIU Mars Rover Team: Four Years of Global Impact

In a field dominated by resource-rich nations, the UIU Mars Rover Team from United International University, Bangladesh, has emerged as a global contender in space robotics. Under the Center for Artificial Intelligence and Robotics (CAIR), this student-led team has competed at the prestigious University Rover Challenge (URC) since 2022—earning the title of Best Asian Team for four consecutive years.

2024: Top 5 Finish

In 2024, UIU was placed 5th globally at the URC finals in Utah, outshining 38 teams from 15 countries. The team, led by Md Yasin and mentored by Md. Abid Hossain, demonstrated exceptional engineering skills across all mission areas, marking Bangladesh's highest placement to date.

2025: Perfect Score, Enduring Legacy

The 2025 team, led by Md Mosfiquir Rahman and Gazi Tawsif Turabi, secured 6th place globally and once again led Asia. Most notably, they earned a perfect 100/100 in the Science Mission—the first Asian team in URC history to do so.

With four Bangladeshi teams qualifying this year, UIU stood out through precision, innovation, and cohesion. Their mentor, Md. Abid Hossain, remains a constant pillar of support.

Now preparing for the Anatolian Rover Challenge, UIU leads once more after topping the selection round.

A National Symbol of Ingenuity

Despite lacking dedicated Mars labs or tailored curricula, UIU students have built a rover that competes with the world's best—showcasing the potential of Bangladeshi youth on a global stage.



UIU MARINER team for MATE ROV World Championship, 2025



The inauguration of the three-day 7th International Conference on the Developments in Renewable Energy Technology (ICDRET 2024) was held on March 7 at UIU campus. The conference was organised by the Department of Electrical & Electronic Engineering and the Centre for Energy Research (CER) of United International University (UIU).

The inauguration ceremony was chaired by Prof. Dr. Md. Abul Kashem Mia, Vice-Chancellor of UIU. Prof. Dr. M. Rezwan Khan, Organizing Chair, ICDRET 24 and Executive Director, Institute for Advanced Research (IAR), UIU, Prof. Dr. Hasan Sarwar, Dean, School of Science and Engineering, UIU and Shahriar Ahmed Chowdhury, Organizing Co-Chair, ICDRET 24 and Director, CER, UIU addressed the audience during the programme. The welcome address and vote of thanks were conducted by Prof. Dr. Intekhab Alam, Technical Chair, ICDRET 24 and Head, Dept. of EEE, UIU.

UIU has hosted ICDRET six times since 2009. The conference has been supported through partnerships from globally renowned institutes in renewable energy that include Oldenburg University, Germany, Kathmandu University,

Nepal, Centre for Energy and Global Environment, Virginia Tech, USA, Micro Energy, Germany, TERI, India, BERG and OREL from USA, SERIS and National University of Singapore, Singapore. IEEE, the largest professional body in the world has maintained its technical co-sponsorship as it had done for the previous conferences.

Speakers at the conference discussed in detail how the development of renewable energy would be economically beneficial in meeting the challenges of the Fourth Industrial Revolution.

This year, the ICDRET 2024 has received research papers from different countries e.g. Bangladesh, Canada, Turkey, Philippines, Nepal, and Bhutan etc. The conference included 5 keynote speeches, one invited talk session, and several technical sessions on scientific research of renewable energy technology.

Faculty members, officials, academicians, energy experts, researchers and other distinguished guests from various universities and institutions from home and abroad were present in the conference.



On January 9, 2025, UIU EEE students visited two major power plants in Sirajganj under the supervision of Shahriar Ahmed Chowdhury, Director of CER and Lecturer S. M. Monzurul Hoque Chowdhury. The power plants were:

- 68 MW Solar Park (Soydabad, BCRECL)
- Sirajganj Thermal Power Plant (NWPGCL)

Students got the following benefits from the visit:

- Explored the 68 MW Solar Park's operational framework, including its monocrystalline bifacial PV modules, flood-resilient mounting structures, and its contribution to the national grid.
- Gained knowledge about Bangladesh's renewable energy targets and challenges in large-scale solar power integration.
- Observed the 1085 MW Sirajganj Thermal Power Plant's operations, including Siemens gas turbines and Dongfang steam turbines.
- Learned about ISO-certified management systems maintenance protocols, and fire safety measures, including emergency response infrastructure.



Study Tour to HDFC SINPOWER LTD's 50MW Solar Plant

EEE department at UIU organized a study tour to HDFC SINPOWER LTD's 50MW solar power plant in Mymensingh. This visit provided students with practical exposure to renewable energy technologies.

Here are the following outcomes of the visit:

- Gained insights into large-scale solar energy generation and its integration into the national grid.
- Observed the operational framework, including photovoltaic panels and inverter functionalities.

The event was supervised by faculty members Md. Zubair Alam Emon, S.M. Haider Ali Shuvo, Mehenaz Afrin, and Raiyan Basher. The UIU Electrical and Electronic Club (UIUEEC) also played a key role in facilitating this initiative.



EEE Day at UIU on November 16, 2024, was an exciting and vibrant celebration of Electrical and Electronic Engineering. **Opening:** The event kicked off with a mesmerizing rally around the campus. Students and faculty members gathered at the field, where they formed an impressive student formation, spelling out “EEE” to showcase their pride in the department. The atmosphere was filled with enthusiasm as the participants marched in unison, setting the stage for a day of fun and learning.



Competitions & Activities: The day continued with a variety of engaging activities and competitions as follows:

- Technical Events: Idea Contest, Project Display, Robot Racing
- Creative & Fun Events: Photography Contest, Balloon Race, Tug of War
- Intellectual Challenges: Guess the Show, Quizzes



The students showcased their creativity and skills in events like the Idea Contest, Project Display, Photography Contest, and Robot Racing. There were also sports activities, including Balloon Race and Tug of War, where both students and teachers participated in friendly yet competitive games. The Guess the Show and Quizzes provided intellectual challenges, testing the participants’ knowledge and quick thinking.



There were various **workshops** leading up to the EEE day, such as VLSI, PCB design, MATLAB and Python that made it a learning experience. Moreover, a **prize giving ceremony** was held commemorating the friendly competition in all the activities.

After many years, UIU **EEE Alumni reunion** took place alongside the joyous EEE Day, deepening the bonding shared between the old and new. Furthermore, the **Alumni student interaction** event focusing on career tracks, tips and tricks boosted the solidarity. The day ended with Rafa and Warfaze as they illuminated the skyline with melodies.



Seminar on “Semiconductor Industry & Packaging Technology”

IEEE UIU Student Branch, in collaboration with the Department of EEE, organized a seminar on June 8th, 2024, focusing on the evolution of the semiconductor industry and packaging technology.

- **Speaker:** Dr. Rezaul Hasan, Intel Corporation
- **Topics Covered:** Semiconductor industry evolution, packaging, fabrication, and costing strategies

The event was followed by Awards & Recognition for Junior Intra VLSI Competition 2024. The Winners were:

- 🏆 Labyrinth (1st Place)
- 🏆 Design Dynamos (2nd Place)
- 🏆 Silicon Skyline (3rd Place)

- Certificates were awarded to VLSI Training Academy course participants



Seminar on “UIU to Intel”

The UIU Electrical and Electronic Club (EEC) with the support of the Directorate of Career Counseling and Student Affairs (DCCSA), organized the seminar “UIU to Intel” on December 9, 2023.

- **Objective:** Strengthening UIU-Intel connection, exploring industry opportunities
- **Audience:** Students, faculty members, and industry professionals
- **Key Discussions:** Potential collaborations and career pathways for engineers



Industry Tour to Bangladesh Satellite Primary Ground Control Station

IEEE UIU Student Branch organized an insightful industry tour to the Bangladesh Satellite Primary Ground Control Station in Gazipur, offering students an opportunity to connect their academic knowledge with real-world industry experience. The tour featured a detailed briefing on satellite operations, followed by practical exposure to satellite signal receivers, significantly enhancing the students' understanding of satellite communication systems. The visit also inspired students as they learned about the career success of an alumnus in a leading position at a government institution, motivating them to pursue their professional goals. Special thanks to Dr. Raqibul Mustafa, Professor, Department of EEE, and Advisor of IEEE UIU Student Branch, for his support in making this event a success.



Seminar on “Power Sector Job Opportunities in Bangladesh and Preparation Guidelines”

On January 11, 2025, an important seminar was held at the department of EEE, on power sector job opportunities in Bangladesh and preparation guidelines.

Guest Speaker: Md. Parvejul Islam, Power Sector Career Specialist

Key Highlights:

- Insights into career opportunities in both private and government power sectors
- Overview of recruitment processes and job market trends
- Practical guidelines for job preparation and skill development
- Future advancements and emerging trends in the industry

Organized by: UIU Electrical and Electronic Club (UIUEEC) with support from UIU DCCSA



Visit to the United Power Generation and Distribution Company Limited (UPGDCL) Power Plant in (DEPZ)

- **Faculty members:** Prof. Md. Fayyaz Khan, Md. Nure-Alam-Dipu
- **Key educational achievements:** Practical understanding of power generation, distribution, protection mechanisms, engines, and UPGDCL capacity plant.

On January 23, 2025, 26 students from the Power System Protection (EEE 4217) course, led by Professor Dr. Md. Fayyaz Khan, visited the United Power Generation and Distribution Company Limited (UPGDCL) Power Plant in the Dhaka Export Processing Zone (DEPZ) to gain practical insights into industrial power systems. The visit provided a firsthand look at power generation, distribution, and protection mechanisms, including UPGDCL's 82 MW capacity plant, gas supply agreements, and exhaust gas boilers. Students observed key components such as Wärtsilä, Rolls-Royce, and MTU engines, protection relays, and circuit breakers, reinforcing theoretical knowledge with real-world applications. The experience deepened their understanding of system reliability, efficiency, and power protection strategies, making a significant impact on their learning. The students expressed gratitude to Professor Dr. Fayyaz Khan and UPGDCL staff for organizing this enriching visit.



Seminar on VLSI, Semiconductor Industry, and Career Opportunities with Ulkasemi Successfully Organized at UIU

- **Guests:** Dr. Abu Hena Mostofa Kamal (Senior Director of Engineering, Ulkasemi Pvt. Ltd.) and Dr. Ion Opris (Founder of Opris Consulting)
- **Key educational achievements:** Exploration of latest advancements in VLSI and Semiconductor Industry, students' general queries answered.

The IEEE UIU Student Branch, in collaboration with the Department of EEE, successfully hosted a highly insightful seminar on January 21, 2025. The event brought together students, faculty members, and industry experts to explore the latest advancements in VLSI and the semiconductor industry while shedding light on exciting career opportunities for young engineers. Dr. Abu Hena Mostofa Kamal, Senior Director of Engineering at Ulkasemi Pvt. Ltd., delivered a compelling talk titled "Opportunity for Young Engineers of EEE to Work on Analog Circuit Design with Ulkasemi." Dr. Ion Opris, Principal and Founder of Opris Consulting, presented an engaging session on "How to Think Out of the Box: My Few Innovations." This seminar marked another milestone in the journey of the IEEE UIU Student Branch and the EEE Department in their collective mission to empower students and promote excellence in engineering.

Seminar on "Semiconductor (Silicon) Industry Overview"

- **Keynote Speaker:** Dr. Monzur Morshed.
- **Key educational achievements:** Students enjoyed an in-depth and inspiring overview of the Silicon Industry, and had various queries answered

Dr. Monzur Morshed, a silicon industry expert currently working in pSemi Corporation delivered a captivating talk on the "Overview of the Semiconductor (Silicon) Industry", highlighting the current trends, challenges, and opportunities in the rapidly evolving semiconductor sector. His presentation on January 1, 2025 offered valuable insights into the cutting-edge technologies shaping the industry and their global implications. Following his presentation, an engaging Q&A session took place, where students enthusiastically participated, posing thought-provoking questions about the semiconductor field and career prospects in the industry. Dr. Morshed's detailed and inspiring responses provided clarity and guidance to aspiring engineers.



Seminar on "Battery Energy Storage Systems (BESS)"

- **Keynote Speaker:** Mr. Bob Ding (Country Manager, NR Electric Co. Ltd.)
- **Key educational achievements:** Innovative solutions for energy storage systems, BESS, SVC and FCL shared with enthusiastic students.

The EEE Department, United International University (UIU), in collaboration with the IEEE UIU Student Branch, proudly organized an enlightening seminar on Battery Energy Storage Systems (BESS) titled "BESS Solution – For Better Energy Flexibility and Controllability". The event was held on January 19, 2025, at Room 126, UIU Campus.

The keynote speaker, Mr. Bob Ding, Country Manager of NR Electric Co., Ltd., shared his vast expertise in power systems, renewable energy, and advanced grid technologies. His presentation highlighted innovative solutions for energy storage systems, including insights into Battery Energy Storage Systems (BESS), Static VAR Compensators (SVC), Fault Current Limiters (FCL), and advanced SCADA systems.



UIU-EEC Concludes a Comprehensive 3-Day Workshop on Basic Electronics and Project Development

The UIU Electrical and Electronic Club (UIU-EEC) successfully conducted a 3-day internal training workshop designed to equip new members with fundamental skills in electronics design and project development. Spanning three sessions, the workshop covered essential topics, from basic circuit components to advanced project implementation.

Day 1 (September 22, 2024) – Introduction to Basic Electronics

- Instructors: Md. Mohaiminul Islam, Abdul Ahad, and Rahat Hasan Jim
- Topics Covered: Essential electronic components, lab equipment, circuit building, and troubleshooting

Day 2 (September 28, 2024) – Circuit Simulation & Veroboard Implementation

- Instructors: Md. Mehenur Hossain and Md. Jannatul Kowsar Apon
- Hands-on Training: Proteus Design Suite, circuit simulation, and assembly of an LDR project on veroboard

Day 3 – Advanced Project: Remote Control Home Automation (Without Microcontroller)

- Instructor: Rahat Hasan Jim, Coordinator, Electronics & Robotics Team
- Key Learnings: Project conceptualization, component selection, simulation, and real-time implementation on veroboard

Workshop on: “Transformer Design”

UIU-EEC successfully hosted an insightful workshop on Transformer Design, offering participants a deep dive into the fundamental and advanced concepts of transformer engineering.

Workshop Instructor:

Dr. Intekhab Alam – Professor, Department of EEE, UIU

Key Learnings:

- Magnetic Circuits – Understanding flux behavior and core properties
- Winding Configurations – Exploring different transformer winding techniques
- Core Materials – Selection criteria for efficiency and performance
- Transformer Analysis & Modeling – Practical demonstrations and optimization strategies



UIU-EEC Successfully Hosted a Two-Day SolidWorks Workshop

UIUEEC successfully conducted a two-day SolidWorks Workshop on January 4 to 5, 2025, providing participants with hands-on training in advanced design and simulation techniques.

Workshop Instructor:

Md. Bodiuzzaman Shikder – Designer at Adex Group of Companies, CSWP-Simulation Certified (Dassault Systèmes), Former Mechanical Design Engineer & Lead of UIU Mars Rover Team (UMRT).

Topics Covered:

Day 1 – SolidWorks Fundamentals

- Introduction to SolidWorks
- 2D to 3D Modeling Fundamentals
- Assembly Design

Day 2 – Advanced Features & Applications

- Simulation & Analysis (Stress, Strain, Thermal Effects)
- Sheet Metal Design & Technical Drawings
- 3D Printing Basics (Model Preparation, Slicing, Material Selection)
- Real-world applications in Robotics, Electronics, and Mechanical Projects
- Design Optimization Tips & Best Practices



Message from

Tasnuva Hassan

091 Batch, EEE
Senior Technical Manager
at Ulkasemi Pvt Limited



Technical knowledge with a strong basic is essential for Engineering students, but have you ever considered the role of soft skills in shaping your career? In today's competitive world, employers seek engineers who not only excel in technical expertise but also have excellent soft skills.

Mentioning few soft skills to start practicing:

- Effective Communication – Present your ideas, issues clearly and confidently. Effective communication helps to build good networking and maintain healthy professional life.
- Teamwork & Collaboration – Set clear goals and roles, be open to feedback from others. Teamwork enhances our problem-solving skill.
- Leadership & Management – Take charge, bring positive changes and inspire others.
- Time management- Sort your tasks based on their priority to achieve more accomplishment

Enhancing the soft skills will set you apart in job interviews, internships, and overall career growth.

Message from

Md Ashiqure Rahman

092 Batch, EEE
MSCIS (George Mason University),
MSITM (Campbellsville University)
Sr. Software Engineer
Coca-Cola Consolidated
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I would like to take a moment and reflect on the journey that brought you here. The world is full of opportunities, but it is also full of uncertainties. There will be challenges ahead, some you can predict, and some that will surprise you. But remember, it's not the challenges that define you, it's how you rise to meet them. It's your ability to take what you've learned here not just from textbooks, but from life and apply it to shape a future that only you can create.

But beyond textbook knowledge, remember the value of resilience, curiosity, hard work and passion. These qualities will carry you when the world seems daunting. Don't be afraid to fail, because failure is not the opposite of success; it's a part of it. It's through failure that we learn, grow, and find our true strength. Keep pushing forward. Be bold. Be brave. You are ready.

So, as you step into this next chapter, know that you are equipped with everything you need to succeed. The future is yours to shape, and it's waiting for you. Go out and make it happen.

Thank You,

Essential Tips and Insights from a Final-Year EEE Student



Md. Rahat Hasan

Final Year Student
Dept. of EEE, UIU

As a final-year EEE student at UIU, I've realized that engineering goes beyond theory—it's about applying knowledge to real-world challenges. While understanding concepts is crucial, true learning happens when you connect theory with practical applications.

From my first semester, I've been deeply committed to lab work, which has helped me develop strong skills in both hardware and software. Designing, testing, and troubleshooting circuits have become second nature to me. Lab credits may seem small, but they hold immense value—treat them seriously if you want to excel as an engineer.

I also emphasize originality in my projects, ensuring they offer something new rather than copying existing ideas from the internet. Instead, I share my innovative work online to contribute to the community. Working on projects has introduced me to various components and ICs, giving me a deeper understanding of their functionality, which in turn enhances my ability to design new systems.

Finally, I believe in building strong relationships with faculty members. Their guidance and support can push you to achieve your full potential and open doors to greater opportunities.

It is with great pride and anticipation that we are going to introduce the **Embedded Systems Laboratory**, supervised by Prof. Dr. Siddique Md. Lutful Kabir. This marks a significant stride in our commitment to fostering a dynamic and innovative learning environment within our institution. This laboratory, meticulously designed and equipped, stands as a testament to our dedication to advancing the field of embedded systems, a discipline that underpins much of the technological landscape we navigate daily.



For our students, this laboratory will serve as a crucial bridge between theoretical knowledge and practical application. You will have the opportunity to engage with cutting-edge hardware and software, to experiment, to innovate, and to translate abstract concepts into tangible solutions. This space is intended to ignite your curiosity, to hone your problem-solving skills, and to prepare you to become the next generation of embedded systems engineers and researchers. We envision this laboratory as a crucible of creativity, where your ideas will be nurtured and brought to fruition.

For our faculty members, this laboratory offers a platform for advanced research and collaborative projects. It provides the necessary tools and resources to explore emerging trends, to conduct impactful experiments, and to contribute to the advancement of embedded systems technology. We encourage you to leverage this facility to push the boundaries of knowledge and to inspire our students through your own research endeavours.

This laboratory is not merely a collection of equipment; it is a space for intellectual exploration, for collaborative learning, and for the development of critical skills that are essential in today's technologically driven world. We are confident that the Embedded Systems Laboratory will become a vibrant hub of innovation, fostering a culture of excellence and contributing significantly to the academic and professional development of our students and faculty alike. We look forward to witnessing the remarkable achievements that will emerge from this space, and we are excited to embark on this journey of discovery together.

Embedded Real Time Operating System (RTOS)

Internet of things

Embedded Linux



Embedded Wireless Communication

Industrial Automation

Introduction to Robotics



Workshop on “Introduction to Arduino with RC Car”

UIU Electrical and Electronic Club recently held a workshop on arduino with RC car on its campus.

Organizer: UIU Electrical and Electronic Club

Instructor: Atikur Rahman

- Session 1: Introduction to Arduino basics and applications
- Session 2: Hands-on RC car making and programming
- Explored components for different bot types: Soccer, Racing, Battle
- Encouraged participation in future hands-on workshops



UIU-EEC Orientation Program

The UIU-EEC (UIU Electrical and Electronic Club) invited its newest members on March 6, 2024, with a warm welcome ceremony in the UIU campus.

Opening Remarks:

- MD. Mehenur Hossain (President)
- Jannatul Kowsar Apon (Assistant General Secretary)

Guest of Honour: Prof. AKM Muzahidul Islam

Alumni Guests:

- MD. Nahidul Islam (Former Joint GS)
- Atikur Rahman, Jinedin Jidan, Tahmid Newaz (Former Exec. Members)

Activities:

- Interactive games, cultural segments
- Club vision and mission shared
- T-shirt distribution & refreshments

Closing Highlights:

Special thanks to Engr. Mehedi Hasan Jewel and Engr. Parag Kumar Paul for their Motivational speeches & best wishes to newcomers

Successful Internship in Jamalpur Power Plant

In Fall 2024, a number of EEE students have participated in Internship program in Jamalpur Power Plant. They have successfully completed their Internship on 28th December, 2024.



The IEEE UIU SB seminar on “Guidelines to Unlock Career Opportunities in the Power and Telecom Sector” concluded successfully on May 27, 2024 with high engagement from participants. A special MCQ-based test focused on government job question patterns in these sectors was held, rewarding the top four scorers with books as recognition for their achievements. The seminar wrapped up with token of appreciation presented to the speakers for their valuable contributions to the event.



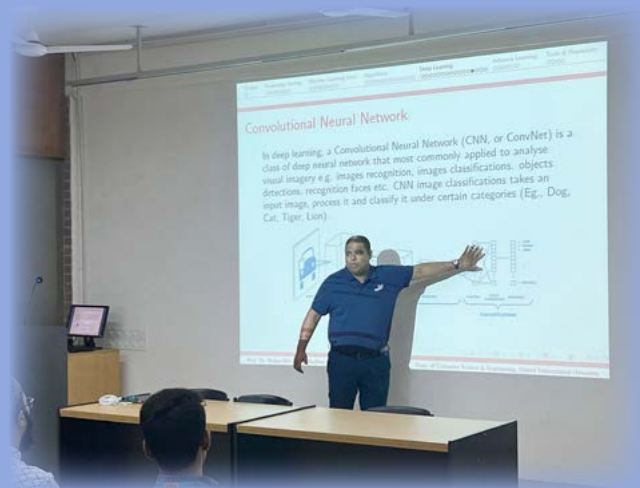
Smart Spaces: The Future of Home Technology

IEEE UIU Student Branch hosted an insightful workshop on July 10, 2024 titled “Smart Spaces: The Future of Home Technology,” featuring a keynote speech by A S M Ahsanul Akib, Managing Director of Robo Tech Valley. The session explored key topics such as home automation, smart security systems, IoT integration, mobile app integration, and security in smart homes. A special thanks to IEEE UIU Student Branch and the event’s partners for their dedication in making the event a success and for paving the way toward smarter, safer homes.



Machine Learning for Everyone

IEEE UIU Student Branch arranged a seminar on “Machine Learning for Everyone” on July 2, 2024, led by Professor Dr. Dewan Md. Farid from the Department of CSE at UIU. The seminar provided an accessible introduction to Machine Learning, covering the basics, real-world applications, and practical steps for beginners. Due to the positive feedback, IEEE UIU SB will continue offering more seminars and workshops on AI and Machine Learning to further support student growth.





UIU congratulates the appointment of Prof. Dr. M. Rezwan Khan, former Vice-Chancellor of UIU and Professor Emeritus of EEE dept., as the Chairman of Power Grid PLC of Bangladesh. Currently serving as Director of UIU's Institute for Advanced Research (IAR), Dr. Khan brings decades of expertise in academia, research, and leadership, with significant contributions to electrical engineering and renewable energy. His appointment marks a milestone in Bangladesh's energy sectors.

Academic Advancements and New Appointments in UIU EEE

The Department of EEE extends its heartfelt congratulations to Professor **Dr. Kaled Masukur Rahman** on his appointment as the **Head of the Department on September 26, 2024**. The department looks forward to continued academic and research excellence under his guidance.



The Department of EEE proudly welcomes distinguished Professor **Dr. Md. Fayyaz Khan**, with his illustrious teaching career of more than four decades and immense specialization in electrical drives.



The Department of EEE is honored to welcome distinguished Professor **Dr. Siddique Md. Lutful Kabir**, who is adding paramount specialization to the UIU team with his research interests in computer architecture and experience of leading renowned technological ventures of the government.



UIU EEE extends its best wishes to Professor **Dr. Md. Iqbal Bahar Chowdhury** on his well-deserved promotion to Professor. His contributions to academia and research have been invaluable to the department.



UIU EEE welcomes the long awaited return of **Dr. Md. Hasanuzzaman** to the department strengthening our electronics specialization significantly.

We are pleased to welcome eight new lecturers: Their passion and dedication will undoubtedly contribute to the department's growth and success.



Raiyan Basher



S.M. Monzurul
Hoque Chowdhury



Md. Nure Alam
Dipu



Tasnia Tanjim
Mim



Syed Muktacim
Billah



Swmic
Majumder



Kazi Abrar
Mahmud



Akif Hamid