THINKDIU

RESEARCH & IDEAS
JANUARY 2026- JULY 2026

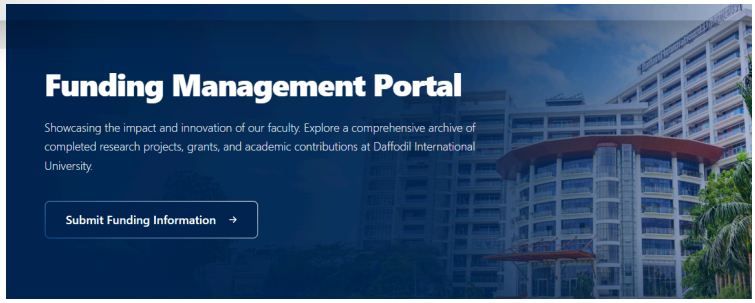


Research Award Giving Ceremony-2026 *organized by Division of Research (DoR), DIU,* honoring the achievements of researchers, faculty members, alumni, and students for their outstanding contributions to global research and innovation.

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DIU Research Funding Portal is now live!

The Division of Research (DoR), DIU has officially launched its new funding portal to support resehers with easier access to research funding opportunities. The platform aims to encourage innovation and strengthen research ecosystem of Daffodil International University.

More info can be found at:
https://funding.daffodilvarsity.edu.bd/

DIU Poster Presentation 2026

A celebration of young researchers, innovative ideas, and creative solutions, featuring inspiring projects from six faculties under the initiative of the Division of Research (DoR), DIU.

Best Researcher of the Year Award-2025



Research Awards and Recognition

Research Award Giving Ceremony 2026

Daffodil International University (DIU) celebrated the achievements of its researchers through the Research Award Giving Ceremony-2026, held on 8 July 2026 at the International Conference Hall (ICH), DIU. Organized by the Division of Research (DoR), DIU, the event recognized the dedication and contribution of faculty members, students, alumni, and researchers who are advancing knowledge through impactful research and scholarly publications.



The ceremony was honored by the presence of Professor Dr. Mohammad Ayub Islam, Member of the University Grants Commission (UGC) of Bangladesh, as the Chief Guest. The Honorable Vice Chancellor of DIU was also present at the event, along with distinguished guests, academic leaders, faculty members, researchers, and students. Their presence reflected the growing importance of research and innovation in shaping the future of higher education. More than 700 teachers, alumni & students were awarded certificates in recognition of their contributions to Scopus-indexed journal publications. These achievements represent DIU's continuous efforts to encourage high-quality research, promote academic excellence, and create a stronger research culture within the university. Each publication reflects the commitment of researchers to exploring new ideas, solving real-world challenges, and contributing to global scientific knowledge.

The event highlighted that research is not only about producing publications but also about creating meaningful impact. DIU continues to encourage researchers to move beyond traditional academic boundaries by focusing on innovative solutions, interdisciplinary collaboration, and research outcomes that can benefit society and industry. Through various initiatives, the university aims to develop an environment where researchers can transform ideas into practical applications.



The ceremony also celebrated the success of the DIU Poster Presentation 2026, where young researchers from six faculties showcased their innovative projects and research ideas. The teams securing 1st, 2nd, and 3rd positions were honored with certificates for their creativity, problem-solving approaches, and contributions to emerging research areas. The poster presentation served as a platform for students to communicate their ideas, exchange knowledge, and develop confidence as future researchers.

The Research Award Giving Ceremony-2026 reflects DIU's commitment to building a vibrant research ecosystem where curiosity, innovation, and collaboration are encouraged.

Best Paper Awards

The Best Researcher of the Year Award – 2025 was presented to Dr. Md. Ali Hossain, Associate Professor, Department of Computer Science and Engineering, Faculty of Science and Information Technology (FSIT), for his outstanding scholarly publications in renowned international journals. His research in bioinformatics, machine learning, and data science contributes to solving real-world healthcare challenges, reflecting his commitment to scientific excellence and innovation at Daffodil International University.





Dr. Imran Mahmud, Faculty of Science and Information Technology (FSIT), received the Faculty-wise Best Researcher Award – 2025 in recognition of his quality scholarly publications in reputed indexed journals. His research focuses on artificial intelligence, machine learning, data mining, health informatics, and software engineering, developing intelligent, data-driven solutions for healthcare and other real-world challenges. The award recognizes his outstanding research contributions and reflects FSIT's commitment to advancing impactful and globally relevant scientific research.

Dr. Engr. Tanvir Ahmed Chowdhury, Associate Professor and Head, Department of Textile Engineering, Faculty of Engineering, received the Faculty-wise Best Researcher Award – 2025 in recognition of his quality scholarly publications in reputed indexed journals. His research focuses on sustainable textile processing, natural dyes, textile quality, and apparel production, promoting environmentally friendly and efficient manufacturing practices. Through innovative research, he is contributing to a more sustainable textile industry while strengthening Daffodil International University's research excellence in engineering.





Dr. Md. Mamun Mia, Faculty of Business and Entrepreneurship, received the Faculty-wise Best Researcher Award – 2025 in recognition of his quality scholarly publications in reputed indexed journals. His research explores management, green entrepreneurship, sustainability, and quantitative research methods, providing practical insights for businesses and policymakers. The award celebrates his outstanding research contributions and reflects the faculty's commitment to producing impactful, globally relevant knowledge.

Md. Salman Sohel is recognized with the Best Researcher Award–2025 for his outstanding scholarly contributions through high-quality publications in reputed indexed journals. His research interests include climate change and disaster governance, environmental social governance (ESG), migration and displacement, climate-resilient health systems, public policy, sustainable development, and rural development, reflecting his commitment to addressing pressing global and societal challenges through impactful interdisciplinary research.



Farjana Akter Boby, Faculty of Health and Life Sciences, received the Faculty-wise Best Researcher Award – 2025 in recognition of her quality scholarly publications in reputed indexed journals. Her research focuses on sports science, exercise physiology, and athlete health, generating evidence that supports better training, injury prevention, and physical performance. The award recognizes her outstanding research contributions and highlights the Faculty of Health and Life Sciences' commitment to impactful, high-quality scientific research.





Md. Al-Amin, Department of Pharmacy, received the Best Student Researcher Award – 2025 in recognition of his quality scholarly publications in reputed indexed journals as a student. His research contributes to the advancement of pharmaceutical sciences and healthcare, supporting the development of evidence-based approaches to improve health outcomes. This award celebrates his dedication to scientific research and highlights the growing research potential of students at Daffodil International University.

The Department of Computer Science and Engineering (CSE) received two Research Awards for the Department – 2025 in recognition of its exceptional research performance. The department was honored for its outstanding student involvement in research and for achieving the highest number of granted patents. These achievements reflect a vibrant research culture that encourages innovation, mentorship, and collaboration while transforming ideas into impactful scientific publications, patented technologies, and practical solutions for real-world challenges.

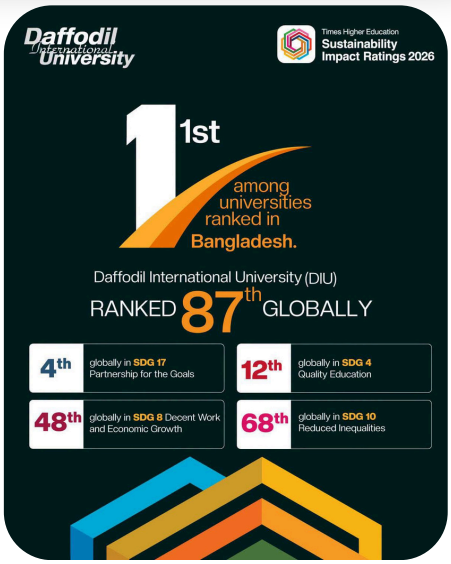
The Department of Environmental Science and Disaster Management (ESDM) received the Research Award for the Department – 2025 in recognition of achieving external research funding. This accomplishment reflects the department's ability to secure competitive funding that supports innovative research addressing environmental sustainability, climate resilience, and disaster risk reduction. The award highlights the department's growing research capacity and its commitment to developing practical, evidence-based solutions for pressing environmental challenges.

The Department of Public Health received the Research Award for the Department – 2025 in recognition of achieving the highest number of research papers per faculty member. This achievement reflects the department's strong research productivity and sustained commitment to publishing high-quality studies in reputed journals. Through active scholarly engagement and collaboration, the department continues to generate evidence that supports public health research and strengthens Daffodil International University's research excellence.

The Department of Pharmacy received the Research Award for the Department – 2025 in recognition of its quality journal publications in reputed indexed journals. The award acknowledges the department's strong commitment to producing high-quality, impactful research that advances pharmaceutical science and healthcare. Through consistent scholarly contributions and collaborative research, the department continues to strengthen Daffodil International University's reputation for excellence in research and innovation.

International Recognition















FUNDED RESEARCH

Ongoing Projects

1

Training Module on Mangrove-Based Ecological Monitoring with Climate Resilience and Gender Perspectives

Principal Investigator: Dr. Mahfuza Parveen, Associate Professor , ESDM
Funding: Badabon Sangho

This project developed a training module to promote mangrove ecosystem monitoring while highlighting climate resilience and gender inclusion. The completed program included a training session in Mongla, Khulna, helping participants better understand the role of mangroves in protecting vulnerable coastal communities. The initiative strengthens community-based environmental research and expands DIU's engagement in climate adaptation, disaster resilience, and sustainable development at the grassroots level.

2

Cluster Towns Water Supply and Sanitation Project (CTWSSP)

Principal Investigator: Dr. Miah M. Hussainuzzaman, Associate Dean, FE
Funding: Asian Development Bank (ADB)

This project helps improve water supply and sanitation services in Bangladesh's growing towns by developing sustainable infrastructure and better management systems. The initiative aims to provide safe drinking water, improve hygiene, and protect the environment. Supported by the Asian Development Bank (ADB), the project contributes to healthier living conditions and supports the country's long-term goals for sustainable urban development.

3

Managing Stress and Trauma in Journalism

Principal Investigator: Dr. Md. Abdul Kabil Khan, Associate Professor, JMC
Funding: European Union

This project helps journalism educators and media professionals understand stress and trauma while promoting responsible reporting. Working with Sweden's Fojo Media Institute, the initiative provides training, encourages ethical journalism, and strengthens international collaboration.

4

Shifting Habits, Shaping Identities: Exploring Youth Transition from Smoking to Vaping in Bangladesh

Principal Investigator: Ms. Meherun Nahar, Lecturer, JMC
Funding: Institute for Global Tobacco Control, Johns Hopkins Bloomberg School of Public Health

This research explores why young people choose vaping, how social influences shape their decisions, and what it means for public health. The findings will help policymakers and health professionals develop better awareness campaigns and tobacco control strategies. The project also strengthens international research collaboration between DIU and global public health partners.

5

Development and Effective Application of AI-Based, Post-Quantum Cryptography–Enabled Counterfeit Medicine Identification Tools

Principal Investigator: Dr. Arif Mahmud, Associate Professor, CSE
Funding: Asian Development Bank (ADB) & UGC Bangladesh

This project is developing a smart system that uses artificial intelligence to identify fake medicines quickly and accurately. Advanced digital security technologies help protect the information used in the system, making it reliable and secure. The goal is to improve patient safety, support healthcare providers, and build trust in the medicine supply chain. The project also encourages innovation through industry collaboration and advanced research.

6

Greenhouse-Based IoT-Controlled Spirulina Cultivation for Nutritional Security and Hidden Hunger Mitigation in Bangladesh

Principal Investigator: Dr. Md. Abdul Kabil Khan, Associate Professor, JMC
Funding: European Union

This project uses smart sensors and greenhouse technology to create the best growing conditions for Spirulina throughout the year. By monitoring temperature, humidity, and other environmental factors, the system helps increase production while reducing waste. The research aims to make healthy food more accessible and contribute to better nutrition, especially for communities affected by hidden hunger in Bangladesh.

7

Agentic AI and IoT-Based Energy Meter Development and Utility Monitoring System

Principal Investigator: Dipto Biswas, Senior Lecturer, ICE
Funding: Daffodil International University

This project combines artificial intelligence with Internet of Things (IoT) technology to develop a smart energy monitoring system. The system can track electricity use in real time, identify unusual patterns, and support better energy management. By helping users understand how they consume electricity, the project promotes energy conservation, reduces waste, and supports the development of smarter and more sustainable communities.

8

Web-Based Remote Monitoring, Electricity Cost Modeling, and Decision Support System Powered by Artificial Intelligence

Principal Investigator: Prof. Dr. M. Shamsul Alam, Dean, FE
Funding: Bangladesh Energy and Power Research Council

This project is creating an AI-powered web platform that allows users to monitor electricity consumption from anywhere. It also estimates energy costs and provides useful insights to support better decisions. By making energy information easier to understand, the system encourages efficient electricity use and supports the country's move toward smarter, more sustainable energy management.

9

Counter-Trafficking Module Development for Training Purposes

Principal Investigator: Dr. Md. Mahbubur Rahman, Senior Lecturer, SWE
Funding: BRAC

This project developed a practical training module to help NGO workers identify and respond to human trafficking in the Rohingya refugee camps of Cox's Bazar. By strengthening awareness, survivor support, and prevention strategies, the initiative enhances the capacity of frontline humanitarian workers. The project also reinforces DIU's contribution to addressing humanitarian challenges and has opened opportunities for future collaborations with national and international development partners.

10

Smart IoT-Based Water Meter Reading System in Urban Residential and Low-Income Communities

Principal Investigator: Prof. Dr. S. M. Aminul Haque, Professor, CSE
Funding: WaterAid Bangladesh

This project is developing a low-cost IoT-based system that automatically reads analog water meters, reducing the need for manual data collection. The pilot aims to deploy and test five smart units to improve the accuracy and efficiency of water usage monitoring. The solution supports better water management and demonstrates how affordable digital technologies can improve essential public services in urban and low-income communities.

11

Developing Online Training Manual and Integration in Online Learning Management Platforms

Principal Investigator: Dr. Ehatasham Ul Hoque Eiten, Assistant Professor, English
Funding: International Organization for Migration (IOM), United Nations

This project is developing an online training manual and integrating it into the GoEdu learning platform to make training more accessible and effective. The initiative strengthens digital learning while fostering collaboration with the International Organization for Migration (IOM). It also enhances the visibility of both GoEdu and Daffodil International University, creating new opportunities for international projects, partnerships, and research funding.

12

Molecular Characterization and Genetic Diversity Analysis of Different Pineapple (Ananas comosus L.) Germplasms in Bangladesh

Principal Investigator: Riaft Hassan Rabbi, Student
Funding: Ministry of Agriculture, Bangladesh

This project studies the genetic diversity of pineapple varieties in Bangladesh using modern DNA analysis techniques. The research aims to identify and compare different germplasms, supporting accurate variety identification and future variety registration. With sample collection and DNA extraction already completed, the project is expected to contribute to scientific publications and potential variety patent applications while promoting innovation in agricultural research and crop improvement.

RESEARCH TRAINING & CAPACITY BUILDING

DIU-DoR Poster presentation-2026



The DIU-DoR Poster Presentation 2026: Future Leaders in Research brought together students from across Daffdil International University to celebrate creativity, innovation, and the spirit of discovery. Organized by the Division of Research (DoR) on 13 April 2026, the event provided a platform where students could share their research ideas, explain their findings, and engage in meaningful discussions with faculty members and fellow researchers.



A total of 122 research posters were presented by students from six faculties, covering diverse topics such as environmental sustainability, health sciences, agriculture, engineering, business, and information technology. The exhibition transformed research into an interactive experience, allowing visitors to explore innovative solutions to real-world challenges through simple conversations and visual presentations.

The event was visited by the Honorable Vice Chancellor, Professor Dr. M. R. Kabir, along with deans, faculty members, and academic leaders, who encouraged students to continue exploring new ideas and contribute to society through research. At the closing ceremony, all participating students received certificates in recognition of their efforts and commitment to academic excellence.



DIU Organizes Induction Training for Newly Appointed Teachers



Daffodil International University (DIU), through its Division of Research (DoR), organized an Induction Training Program for Newly Appointed Teachers (Spring 2026) to prepare new faculty members for their academic journey. The program introduced participants to DIU's teaching philosophy, research culture, and commitment to quality education. Interactive sessions covered outcome-based education (OBE), research ethics, scholarly publishing, research funding opportunities, and innovative teaching practices.

Experienced academics shared practical guidance on engaging students, conducting impactful research, and maintaining academic integrity. The training also encouraged collaboration, continuous professional development, and the effective use of technology in education. By equipping new teachers with essential knowledge and skills, DIU continues to strengthen its commitment to developing competent, research-driven educators who can inspire students and contribute to academic excellence.

Workshop on “How to Develop the Best HEAT Project: Easy Techniques for Preparing High-Quality Grant Project Proposals”



The Division of Research (DoR) at Daffodil International University (DIU) organized a workshop titled "How to Develop the Best HEAT Project: Easy Techniques for Preparing High-Quality Grant Project Proposals" on 3 February 2026. The session aimed to strengthen faculty members' skills in developing competitive research proposals for the HEAT Project. Professor Dr. Gias U. Ahsan shared practical techniques for writing effective grant proposals, focusing on clear objectives, innovative ideas, and well-structured project plans. Professor Dr. Md. Fokhray Hossain, Principal Investigator of DIU's ongoing HEAT Project on establishing a Technology Transfer Office (TTO), also shared valuable insights from his experience in securing and managing research grants. The workshop encouraged participants to transform promising research ideas into fundable projects, helping expand capacity of DIU, to attract external research funding and deliver solutions with real-world impact.

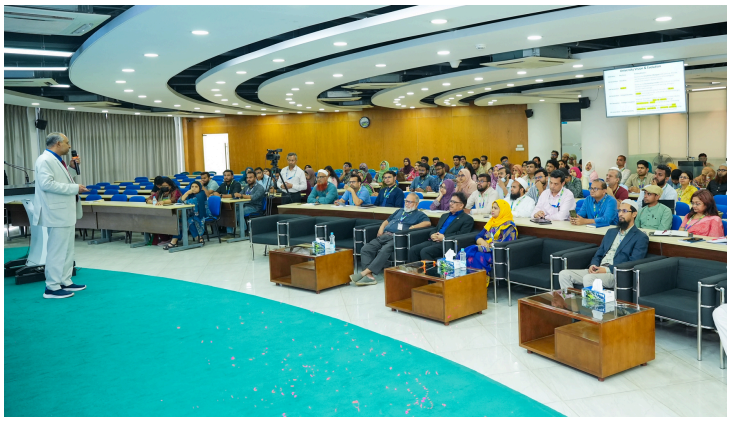


Session on “Proposal Writing Process and Financial Budgeting Procedures for the ATF-HEAT Project”

The Division of Research (DoR) at Daffodil International University (DIU) organized a capacity-building session on Proposal Writing Process and Financial Budgeting Procedures for the ATF-HEAT Project. The program aimed to equip faculty members with practical knowledge and skills for preparing competitive research proposals and effective project budgets.

During the session, participants learned how to transform research ideas into well-structured proposals by defining clear objectives, developing realistic work plans, and aligning projects with funding priorities. Experts also explained the key principles of financial planning, including budget preparation, resource allocation, and compliance with grant requirements under the Academic Transformation Fund (ATF) of the HEAT Project. Interactive discussions allowed participants to clarify common challenges in proposal development and budgeting.

The session highlighted that a strong research proposal is supported not only by innovative ideas but also by careful planning and responsible financial management. By strengthening these essential skills, DIU continues to empower its researchers to compete successfully for external funding, expand collaborative research opportunities, and generate solutions that create meaningful academic and societal impact.



Seminar on “Building Impactful Research: Topic Selection, Novelty, and Academic Research Strategy”

The Division of Research (DoR) at Daffodil International University (DIU) organized a seminar titled "Building Impactful Research: Topic Selection, Novelty, and Academic Research Strategy" to help faculty members and researchers strengthen the foundation of high-quality research. The seminar focused on selecting meaningful research topics and developing studies that address real-world challenges.

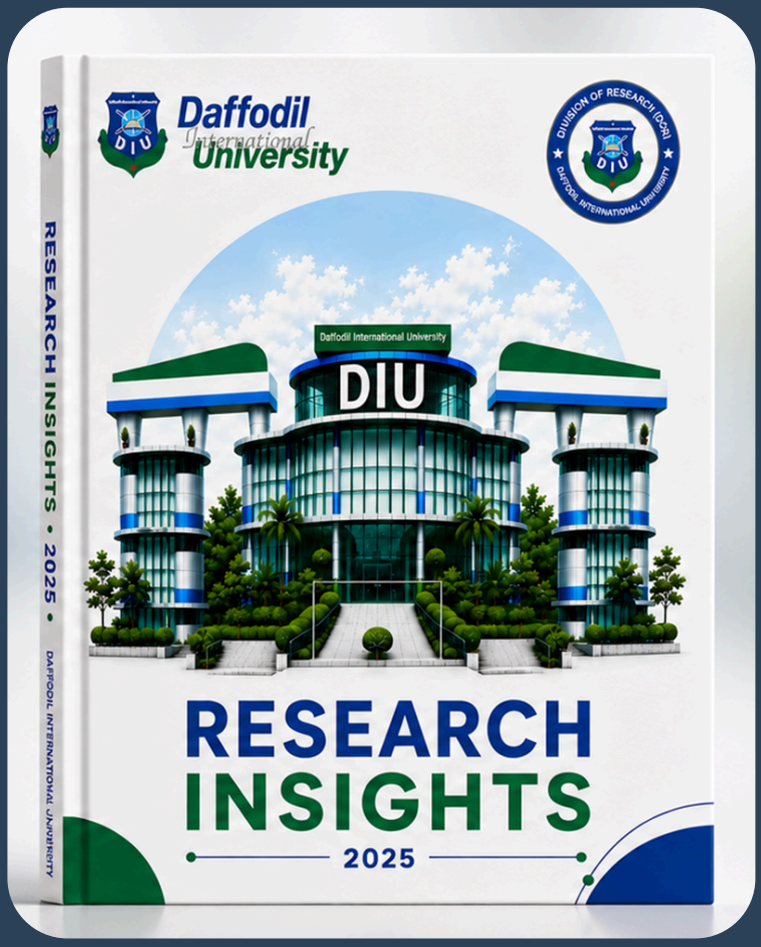
Experts shared practical strategies for identifying research gaps, establishing novelty, and designing research that creates academic and societal impact. Participants also learned how to build a clear research roadmap, align their work with emerging global trends, and increase the potential for publication and external funding. Interactive discussions encouraged participants to refine their ideas and exchange experiences.

The seminar reinforced the idea that impactful research begins with asking the right questions. By promoting thoughtful topic selection and strategic research planning, DIU continues to strengthen its research culture and empower its faculty to produce innovative, relevant, and globally competitive research that contributes to knowledge and sustainable development.



UPCOMING EVENTS

Research Insights: Official Launch



Student Research Capacity Building Workshop

Research Funding Training Workshop

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