

**Daffodil**  
International  
University



**15<sup>th</sup> AUAP**  
GENERAL CONFERENCE

# 15th General Conference of the Association of the Universities of Asia and the Pacific (AUAP) 2022

Synergy between Information Technology  
and Quality Education in the 4IR Era

November **14-16**, 2022



Hosted by:  
**Daffodil International University**

Daffodil Smart City, Ashulia  
Dhaka, Bangladesh.

<https://auapgc2022.daffodilvarsity.edu.bd/>

**Daffodil**  
*International*  
**University**



**15th General Conference of the  
Association of Universities  
of Asia and the Pacific (AUAP) 2022**

“Synergy between Information Technology and Quality Education in the 4IR Era”

**November 14–16, 2022 (Mon- Wed)**

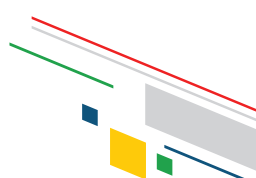
**Daffodil International University**

Daffodil Smart City  
Ashulia, Dhaka Bangladesh



# Table of Content

Program Schedule	i
Message from the President	v
Message from the Prime Minister	vi
Message from the Minister, Ministry of Education	vii
Message from the Minister, Ministry of Post, Telecommunication and Information Technology	viii
Message from the Mayor of Dhaka South City Corporation	ix
Message from the Deputy Minister, Ministry of Education	x
Message from the Minister, Ministry of Water Resources	xi
Message from the Secretary, Ministry of Education	xii
Message from the UGC Member	xiii
Message from the President of AUAP	xiv
Message from the Chairman, BoT, DIU	xv
Message from the Vice Chancellor, DIU	xvi
Message from the Pro-Vice Chancellor, DIU	xvii
About AUAP	14
Dhaka the Capital of Bangladesh	15
About Daffodil International University	16
Main theme of AUAP 2022	17
Sub themes of AUAP 2019	17
Keynote Speech	18
Abstracts	20
Participating Universities and Countries	27
Delegate List	40
Contributions of DIU	43
Internationalization	47
Contact List	50
Follow Us: (URL)	50
Location map	51



## Schedule of Events

### Pre-Conference: 13 November (Sunday)

Time (GMT+6)	Program
Early & Regular Check-In	Pick-up from Hazrat Shahjalal International Airport, Dhaka and transfer to check-in the Hotel (s) Optional: Golf to Play (9 or 18 holes) at Kurmitola Golf Club, Dhaka

### DAY 1: 14 November (Monday)

Time (GMT+6)	Program
Day Long	Pick-up all International Delegates from Hazrat Shahjalal International Airport, Dhaka and transfer to check-in the Hotel (s)
12:30pm-2:30pm	Registration & Kit Distribution at Radisson Blu Dhaka Hotel Lobby
02:30pm	Pick-up all delegates from the hotel (s)
03:00pm-05:00pm	<b>Visiting Places:</b> Bangabandhu Military Museum, Bijoy Sarani Quick Snap in-front of Bangladesh National Parliament, Manik Mia Avenue Father of the Nation Memorial Museum, Dhanmondi-32
05:15pm	Arrive in Daffodil Education Network (DEN) Building, Dhanmondi, Dhaka
05:30pm-07:00pm	<b>The 15th AUAP General Assembly Meeting &amp; 52nd AUAP Executive Board Meeting (Attendees: AUAP Officers &amp; Members only) at Rooftop Meeting Room, DEN Building, Dhanmondi, Dhaka</b>
07:00pm-07:50pm	<b>Welcome Reception</b> at 71-Milonayoton, Ground Floor DEN Building, Dhaka Presenting DIU Theme Song Welcome Address by Dr. Md. Sabur Khan, First Vice President of AUAP & Founder & Chairman of DIU, Bangladesh Address by Dr. Peter P. Laurel, President, AUAP and President, LPU, Philippines Special Address by the Chief Guest Barrister Sheikh Fazle Noor Taposh, Honorable Mayor of Dhaka South City Corporation Vote of Thanks by Mr. Hari Mohan Gupta, Founder and Chancellor, Jagran Lakecity University and Second Vice President of AUAP Welcoming Cultural Performances
08:00pm-09:15pm	<b>Dinner with Live Music</b> at Rooftop, DEN Building, Dhanmondi, Dhaka
09:20pm	Transfer to the Hotel (s)

### DAY 2: 15 November (Tuesday)

Time (GMT+6)	Program at Hotel Radisson Blu Dhaka Utshab Hall
09:00am-10:00am	Networking Hour at Hotel Radisson Blu Dhaka Utshab Hall
10:00am-12:45pm	<b>Opening Ceremony of the 15th AUAP GC 2022</b> National Anthem of Bangladesh Welcome Remarks by Professor Dr. Ricardo P. Pama, Secretary General, AUAP Documentary on 15th AUAP General Conference 2022 Address by Dr. Md. Sabur Khan, First Vice President of AUAP and Founder and Chairman, DIU, Bangladesh Address by Prof. Dr. Achyuta Samanta, Founder of Kalinga Institute of Industrial Technology, India, and Member of Parliament, Lok Sabha (Odisha), India



02:00pm-03:30pm	<p>Address by Dr. Peter P. Laurel, President of AUAP and President of LPU, Philippines</p> <p>Video Message from Dr. Dipu Moni, MP, Minister, Ministry of Education, The Government of the People's Republic of Bangladesh</p> <p>Keynote Presentation: Dr. Fernando León-García, President of the International Association of University Presidents-IAUP (2021-2024) USA and President of CETYS University</p> <p>Inaugural Speech by Mr. Mustafa Jabbar, Minister, Ministry of Posts, Telecommunications and Information Technology, The Government of the People's Republic of Bangladesh</p> <p>Inauguration of the Conference with Daffodil Cruiser</p> <p>Handing Over Token of Appreciation to Hon'ble Chief Guest and Keynote Speaker</p> <p>Group Photo</p> <p>Vote of Thanks by Professor Dr. S.M. Mahbul Ul Haque Majumder, Pro-Vice Chancellor, DIU &amp; Convener of 15th AUAP GC 2022</p> <p><b>Leader's Panel on 'Future of the University'</b></p> <p>Panelists:</p> <p>Dr. Neil P. Balba, Professor and Chief Digital Officer, Lyceum of the Philippines University – Laguna, Philippines</p> <p>Prof. Dr. Ni Nyoman Tri Puspaningsih, Vice Rector, Universitas Airlangga, Indonesia</p> <p>Engr. Abubokor Hanip, Chancellor &amp; CEO, Washington University of Science and Technology, USA</p> <p>Prof. Dr. Sunaina Singh, Vice Chancellor, Nalanda University, India</p> <p>Professor Dr. M. R. Kabir, Professor, Department of Civil Engineering, Daffodil International University, Bangladesh</p> <p>Moderator:</p> <p>Prof. Ujjwal K Chowdhury, Executive Director, International Online University, USA</p> <p><b>Cultural Show</b> by DIU students</p>
12:45pm-01:45pm	Lunch
02:00pm-03:30pm	<p><b>Parallel Session 1:</b></p> <p>Online to Blended Using Technology for Employability</p> <p><b>Session Chair:</b></p> <p>Mr. Hari Mohan Gupta, Founder and Chancellor, Jagran Lakecity University, India and Second Vice President of AUAP</p>
	Tea Break
03:45pm-05:00pm	<p><b>Parallel Session 2:</b></p> <p>Project-Based Teaching &amp; Learning</p> <p>Experimental &amp; Practical Components in Outcome-Based Education</p> <p><b>Session Chair:</b></p> <p>Assoc. Prof. Dr. Corneliu Andy Pusca, President of the Board of Trustees, Danubius University of Galati, Romania</p>
06:00pm-08:30pm	<p><b>Inauguration Ceremony of the AUAP Officers followed by Award Giving Ceremony and Gala Dinner with Cultural Night</b></p> <p>Introduction of Dr. Peter P. Laurel, the President of AUAP by the Secretary-General</p> <p>Presentation of AUAP's activities during Dr. Peter P. Laurel's term as AUAP President</p> <p>Farewell Speech by Dr. Peter P. Laurel, the President of AUAP</p> <p>AUAP Secretary-General to oversee the induction ceremony of the new Officers of the AUAP Executive Board, and the AUAP Advisory Council</p> <p>Presentation of the AUAP-FLAG, and BOUQUET to the new AUAP President, Dr. Md Sabur Khan by the Immediate Past President, Dr. Peter P. Laurel</p> <p>Photo Session</p> <p>Inaugural Speech by the New President of AUAP, Dr. Md. Sabur Khan</p>



	<p>Presentation of "Plaque of Distinction as Outstanding AUAP President" to Dr. Peter P. Laurel, the Outgoing AUAP President by the Secretary-General</p> <p>Presentation of Award to Dr. Md. Sabur Khan, and Congratulatory Speech by Dr. Peter P. Laurel</p> <p>Special Address by the Chief Guest, Mr. AKM Enamul Hoque Shameem MP, Deputy Minister, Ministry of Water Resources, Govt. of the People's Republic of Bangladesh</p> <p>Award Giving Ceremony to recognize presenters of Parallel Sessions and Participating Universities of the Conference</p> <p>Gala Dinner with Cultural Night</p>
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### DAY 3: 16 November (Wednesday)

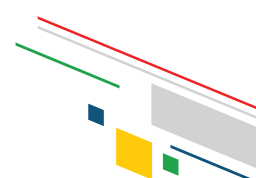
Time (GMT+6)	Program at Daffodil International University (DIU), Daffodil Smart City (DSC)
07.45am-08:00am	Pick-up Delegates from the Radisson Blu Hotel to DIU, DSC
09:00am-10:00am	Morning Tea at Green Garden Restaurant, DIU, DSC Parade & Flag Raising Ceremony in front of DIU Main Ground, DSC Campus Tour & Experience the Cultural Presentation at DIU, DSC
10:00am-11:00am	MoU Signing Ceremony at the AB-4 Ground floor Lobby, DSC
11:00am-11:30am	<b>Open Spot Floor:</b> <b>How does AUAP help your university to achieve the UN SDG goals?</b> Moderated by Professor Dr. Ricardo P. Pama, Secretary General, AUAP and Dr. Peter P. Laurel, President of AUAP and President of LPU, Philippines
11:30am-12:30pm	<b>Closing Ceremony of 15th AUAP GC 2022</b> at the International Conference Hall Experience Sharing Address by a Student Volunteer of 15% AUAP GC 2022 Three Days program recap short documentary Address by Dr. Md. Sabur Khan, President of AUAP (2023-24) and Founder and Chairman, DIU Remarks by Dr. Fernando León-García, President of the International Association of University Presidents-IAUP (2021-2024) USA and President of CETYS University Special Address by Chief Guest, Prof. Dr. Biswajit Chanda,, Member, University Grants Commission of Bangladesh Handing over Token of Appreciation to Prof. Dr. Biswajit Chanda, Member, University Grants Commission of Bangladesh Exchanging Token of Appreciation with Dr. Peter P. Laurel. President, AUAP & President, LPU, Philippines Vote of Thanks by Prof. Dr. M. Lutfar Rahman, Vice Chancellor, Daffodil International University
12:45pm-01:45pm	Lunch at the Food Court, DIU, DSC
02:00PM	Depart from DIU, DSC to Radisson Blu Dhaka Hotel (s)/Airport
03:00pm-06:00pm	Optional Shopping at Jamuna Future Park and Aarong in Dhaka Or, Departure to the Airport

### Optional Day: 17 November (Thursday)

Time (GMT+6)	Program
08:00am-09:00am	Depart from the Hotel for Optional Tour
09:00am-01:00pm	Tour: Dhaka University area followed by shopping at Bashundhara City Mall
01:00pm-02:00pm	Lunch at the Restaurant
03:00pm	Return to the Hotel
Departure from Hazrat Shahjalal International Airport, Dhaka	

**Note:**

- \*\* Program schedule & guest lists are subject to change based on the circumstances & availability
- \*\* Latest program schedule will be available on the conference website
- \*\* Program schedule is based on Bangladesh Standard Time zone (GMT+6)



# Message from the President



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



**President**  
PEOPLE'S REPUBLIC OF BANGLADESH  
BANGABHABAN, DHAKA

29 Kartik 1429  
14 November 2022

I am delighted to know that Daffodil International University, Bangladesh is organizing the 15th General Conference of the Association of Universities of Asia and the Pacific (AUAP) on 14-16 November 2022 in Dhaka.

The world is evolving at an incredible pace based on educational and technological progress. The implications of technical innovations of 4th Industrial Revolution have produced an urgent need to review traditional educational philosophies and methodologies. The government of Bangladesh has laid emphasis on ensuring the quality of education to create technology oriented and intellectually advanced society. I think collaboration among universities for innovations and sharing knowledge is essential in developing demand-oriented human resources.

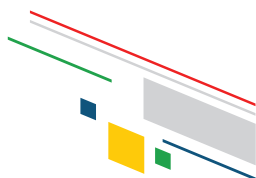
I am pleased to know that the key aspect of the 15th General Conference of Association of Universities of Asia and the Pacific (AUAP) is 'Synergy between Information Technology and Quality Education in the 4th IR era'. I hope the conference would pave the way for the development of future entrepreneurs and global leaders, which supports the government's mission and vision of 'Digital Bangladesh'. I believe that the event proceedings will be beneficial for academics and educators in the long run.

I wish the '15th General Conference of the Association of Universities of Asia and the Pacific (AUAP)' a grand success.

Joi Bangla.

Khoda Hafez. May Bangladesh Live Forever.

Md. Abdul Hamid







Message from the

Prime Minister

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



Prime Minister

GOVERNMENT OF THE PEOPLE'S REPUBLIC  
OF BANGLADESH

29 Kartik1429  
14 November 2022

I am happy to know that Daffodil International University, Bangladesh is organizing 'the 15th General Conference of the Association of Universities of Asia and the Pacific (AUAP)' at its campus in Dhaka.

In line with the education philosophy of the greatest Bangalee of all time, Father of the Nation Bangabandhu Sheikh Mujibur Rahman, the Awami League government has tirelessly been working for the overall development of the education sector to ensure equal opportunities for quality education for all. Various timely initiatives taken by our government during the last 14 years have resulted in commendable achievements in the education sector. The number of public and private universities in the country has been increased to a large extent to bring the benefits of higher education to the doorsteps of the people.

Our government formulated National Education Policy 2010 in tune with the needs of the modern times, with a view to building the future generation as a human resources, efficient in knowledge and technology and inspired with moral values, national tradition and the spirit of liberation war. To ensure standards of quality in higher education both at the public and private universities we have enacted Private University Act -2010' and Bangladesh Accreditation Council Act-2017'. While 'Strategic Plan for Higher Education in Bangladesh: 2017-2031' and 'Higher Education Quality Enhancement Project (HEQEP)' have been implemented to improve the quality and scope of higher education and make it internationally competitive. An academic innovation fund has been allocated to promote creativity and research at the higher education institutions. 'Bangladesh Research and Education Network' has been established to increase technical skills of the universities and connect the foreign universities and research institutes with local universities.

The Awami League government has emphasized on technology and science- based modern education systems to accelerate the development of education in order to overcome the impact of the Covid-19. We have taken various steps to ensure the benefits of ICT and digital technology in education management and educational programs for developing skilled human resources with science, information technology knowledge to meet the challenges of globalizations and Fourth Industrial Revolution (4IR).

The conference, I believe, would provide a great opportunity for the faculty members and students to learn and share their knowledge and experience. I hope that Daffodil International University, Bangladesh will contribute significantly to build a hunger-poverty-free Golden Bangladesh as dreamt by Father of the Nation Bangabandhu Sheikh Mujibur Rahman.

I wish 'the 15th General Conference of the Association of Universities of Asia and the Pacific' a grand success.

Joi Bangla, Joi Bangabandhu  
May Bangladesh Live Forever



Sheikh Hasina





# Message from the Education Minister



بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ



## Minister

Ministry of Education  
Government Of The People's Republic  
of Bangladesh

I'm delighted to learn that Daffodil International University, Bangladesh is hosting the 15th General Conference of the Association of Universities of Asia and the Pacific (AUAP) during 14-16 November 2022 at Daffodil Smart City, Ashulia, Dhaka.

University education is a fundamental component of human development. It is very relevant to a country's long-term progress and prosperity. It gives young learners advanced training as well as skills that are required to meet the needs of the local and global job markets. Unfortunately, today's youths face serious unemployment and underemployment issues. It is now the obligation of the government, education providers and industries to create opportunities for the youth to make the best use of their potential.

The AUAP theme prioritizes students' active participation in the learning experience, which can help them develop their entrepreneurial leadership skills. Ministry of Education has taken steps to transform education to meet the demands of the fast changing world. These steps include among others designing a competency based new curriculum and adopting new assessment methods to assist our learners to acquire essential skills. Under the visionary leadership of our Honorable Prime Minister Sheikh Hasina, MP we are also finalising our National Blended Education Master plan. We want businesses and academia to work together for developing required skills of our youth and prepare them to take on the challenges of the 4th Industrial Revolution. Besides using their entrepreneurial leadership skills, the future generation will act as effective instruments for the world that may significantly reduce environmental degradation and create more green jobs.

I hope Daffodil International University will maintain this national spirit in its cooperation and collaboration with industries and relevant agencies to continue to perform productively.

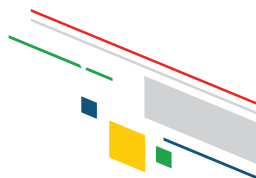
I wish the 15th AUAP GC 2022 a grand success.

Joy Bangla, Joy Bangabandhu

May Bangladesh live forever

*Dipu Moni*

Dr. Dipu Moni, MP





## Message from the

Minister, Ministry of Post,  
Telecommunication and Information Technology

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



মন্ত্রী  
ডাক ও টেলিযোগাযোগ বিভাগ  
ডাক, টেলিযোগাযোগ ও তথ্যপ্রযুক্তি মন্ত্রণালয়  
গণপ্রজাতন্ত্রী বাংলাদেশ সরকার

### বাণী

আমি জেনে আনন্দিত যে, ড্যাফোডিল ইন্টারন্যাশনাল ইউনিভার্সিটি বাংলাদেশে প্রথমবারের মত আগামী ১৪-১৬ নভেম্বর, ২০২২ তারিখে এসোসিয়েশন অব ইউনিভার্সিটিস অব এশিয়া অ্যান্ড দি প্যাসিফিক (AUAP) এর ১৫তম সাধারণ সম্মেলন ২০২২ আয়োজন করতে যাচ্ছে।

এসোসিয়েশন অব ইউনিভার্সিটিস অব এশিয়া অ্যান্ড দি প্যাসিফিক (AUAP) ১৯৯৫ সালে প্রতিষ্ঠার পর থেকে এশিয়া ও প্রশান্ত মহাসাগরীয় অঞ্চলের উচ্চ শিক্ষা প্রতিষ্ঠানগুলির মধ্যে পারস্পরিক যোগাযোগ এবং সহযোগিতার একটি অনন্য প্ল্যাটফর্ম হিসাবে কাজ করে আসছে। এ এসোসিয়েশনের লক্ষ্যই হলো পারস্পরিক যোগাযোগ বৃদ্ধি করা, তথ্য বিনিময় করা, অভিজ্ঞতা শেয়ার করা এবং যৌথভাবে উন্নয়নের দিকনির্দেশনা প্রদান করা। এটা জেনে ভালো লাগছে যে, সময়ের সাথে সাথে এশীয় ও প্রশান্ত মহাসাগরীয় দেশগুলির অনেক বিশ্ববিদ্যালয় উচ্চশিক্ষায় গুণগত মান উন্নয়ন এবং নতুন নতুন প্রযুক্তি উদ্ভাবনের সংস্কৃতি প্রসারে অত্যন্ত সফল হয়েছে। শিক্ষার পাশাপাশি গবেষণা, আর্থ-সামাজিক উন্নয়নে সহযোগিতা, খেলাধুলা এবং অনগ্রসর গোষ্ঠীর উন্নয়ন সংশ্লিষ্ট বিভিন্ন কর্মসূচী এবং প্রকল্প বাস্তবায়ন করে আসছে।

বিজ্ঞান ও প্রযুক্তি গবেষণা ও উদ্ভাবনের প্রতি আমাদের জাতির পিতা বঙ্গবন্ধু শেখ মুজিবুর রহমানের ছিল সুদূরপ্রসারী পরিকল্পনা ও সজাগ দৃষ্টি। তিনি এই জাতিকে একটি বুদ্ধিবৃত্তিক জাতি হিসাবে গড়ে তুলে উন্নয়নের অগ্রগতির ধারাকে টেকসই ও দীর্ঘস্থায়ী করার লক্ষ্যে সচেষ্ট ছিলেন। জাতির পিতার সেই স্বপ্নের সারথী হয়ে তারই সুযোগ্য কন্যা জননেত্রী প্রধানমন্ত্রী শেখ হাসিনা ২০০৮ সালে রাষ্ট্র ক্ষমতা গ্রহণের পর 'ডিজিটাল বাংলাদেশ' কর্মসূচী গ্রহণ করেছেন যা আজ বাস্তব রূপ লাভ করেছে।

এবারের সম্মেলনের প্রতিপাদ্য বিষয় হলো: "চতুর্থ শিল্পবিপ্লবের যুগে তথ্য প্রযুক্তি এবং মানসম্পন্ন শিক্ষার মধ্যে সমন্বয়"। এ প্রেক্ষাপটে বৈশ্বিক, সামাজিক এবং সাংস্কৃতিক প্রবণতাগুলোকে বিশেষ বিবেচনায় নেওয়া হয়েছে বলে আমি মনে করি।

আমি এসোসিয়েশন অব ইউনিভার্সিটিস অব এশিয়া অ্যান্ড দি প্যাসিফিক (AUAP) কে তাদের জ্ঞানভিত্তিক সমন্বয়যোগী কর্মসূচী গ্রহণের জন্য অভিনন্দন জানাই। আমি আশা করি ড্যাফোডিল ইন্টারন্যাশনাল ইউনিভার্সিটি সর্বদা জাতীয় চেতনা বজায় রাখবে এবং দেশের বিভিন্ন উন্নয়ন কর্মকাণ্ডে সহযোগিতার হাত অব্যাহত রাখবে।

পরিশেষে আমি এসোসিয়েশন অব ইউনিভার্সিটিস অব এশিয়া অ্যান্ড দি প্যাসিফিক- এর ১৫তম সম্মেলনের সার্বিক সাফল্য কামনা করছি।

জয় বাংলা, জয় বঙ্গবন্ধু  
বাংলাদেশ চিরজীবী হোক

মোস্তাফা জব্বার





## Message from the

Mayor of Dhaka South City Corporation



Mayor

Dhaka South City Corporation

Father of the Nation, the greatest Bengali ever, Bangabandhu Sheikh Mujibur Rahman identified education as a pre-condition for our holistic development and prosperity. Hence, he worked to ensure pro-people education system and demand to ascertain equal opportunities for the people of all strata.

After Bangladesh coming into existence in 1971, Bangabandhu began reconstructing the country's education system with the vision he cherished into him. He originated a series of initiative to translate his own thoughts on education. Bangabandhu formed the Kudrat-E-Khuda Education Commission in July 1972 and prioritised education in the First Five Year Plan. Aligned with his philosophy, he made primary education compulsory for all and established University Grants Commission through an ordinance to accelerate education and research along with allocation and monitoring of grants to the universities.

Following the footsteps of Bangabandhu, our Hon'ble Prime Minister Sheikh Hasina has given the highest importance to education and research. Her government has formulated the National Education Policy, 2010 to ensure time-befitting education for all. Along with this, her government had given utmost priority to research-based education in the National Science and Technology Policy framed 2011. Besides, Post-graduate students and researchers are getting financial assistance and donation from government under Bangabandhu Fellowship, National Science and Technology (NST) Fellowship, PM Fellowship and donation for research.

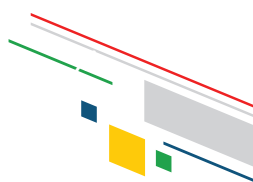
Steps have been taken to provide the students with stipends while multimedia classrooms have also been set up at their schools and colleges. Furthermore, to address the challenges of Fourth Industrial Revolution (4IR) and to generate a talent pool with the know-how of Frontier Technology, she declared and materIALIZED the roadmap of building Digital Bangladesh which is more evident now and we are living in.

It gives me immense pleasure to announce that Daffodil International University, in collaboration with The Association of Universities of Asia and Pacific (AUAP), is going to host the 15th AUAP General Conference 2022 in Dhaka on November 14 -16, 2022. The theme of this Conference "Synergy between Information Technology and Quality Education in the 4IR Era," illustrates the dream of our hon'ble Prime Minister Sheikh Hasina.

It is undeniably an important opportunity for Daffodil International University and our country to be able to host such a prominent international event in Bangladesh. I applaud Daffodil International University on its accomplishments and efforts, and I wish the 15th AUAP General Conference in 2022 a grand success. I extend my warmest greetings to all of the participants of this international conference.

Joy Bangla, Joy Bangabandhu  
May Bangladesh live forever

Sheikh Fazle Noor Taposh





## Message from the

## Deputy Education Minister

پیغام



Deputy Minister

Ministry of Education

Government of The People's Republic  
of Bangladesh

It gives me joy to learn that Daffodil International University is the host of the 15th General Conference of the Association of Universities of Asia and the Pacific (AUAP) 2022 during November 14-16, 2022 at Daffodil Smart City, Ashulia, Dhaka. One of the dream Of the Father of the Nation, Bangabandhu Sheikh Mujibur Rahman was to nurture our young generation in such a way that they would bring honor to our nation by displaying their talents to the entire globe. Based on this vision, the Honorable Prime Minister Sheikh Hasina. MP has urged all institutions to improve their educational standards by partnering with other universities in Asia and throughout the world to reach new heights in enhancing and enriching knowledge. I am very pleased that Daffodil International University (DIU) has been working hard to create a new generation of human resource equipped with knowledge and technological skills to compete in the global job market of the 21st century. The conference Of the Association of Universities of Asia and the Pacific (AUAP) 2022 has been planned to bring in corporates. HEIS leaders, entrepreneurs and academicians together to build a bridge among the stakeholders to work together to achieve the new goals Of the SDGs. I congratulate the Association of Universities of Asia and the Pacific (AUAP) and Daffodil International University on their accomplishments and efforts and wish them a grand success.

Joy Bangla

Joy Bangabandhu

Mohibul Hasan Chowdhury



# Message from the

Minister, Ministry of Water Resources



بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ



Deputy Minister

Ministry of Water Resources  
Government of the People's Republic  
of Bangladesh

It is indeed a great pleasure for me to know that Daffodil International University in collaboration with The Association of Universities of Asia and Pacific (AUAP) is hosting the 15th AUAP General Conference 2022 in Dhaka on November 14 -16, 2022.

Our beloved father of the nation Bangabandhu Sheikh Mujibur Rahman had a great vision to promote research and innovation in the field of science and technology. To develop the intellectual capital necessary for the development of the country and sustain its growth, his goal was to transform our country into a world-class academic powerhouse. Students in the 21st century are required to attain Information Technology and multi-diversified leadership skills for national and global recognition as well as global fit. The honourable Prime Minister mother of humanity Sheikh Hasina has given extra emphasis to build a scientific knowledge based nation through allocation more research fund.

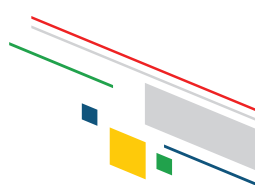
The theme of this conference "Synergy between Information Technology and Quality Education in the 4IR Era" perfectly reflects this need. Global, social, and cultural trends are considered when defining the theme of AUAP 2022. The association has a regular connection with enterprises and sectors, industry, and academia. It is great to see that with the progress of time, more countries and universities from both Asian and Pacific regions are getting to be a part of this forum to discuss a wide range of topics regarding higher education. It is certainly a great opportunity for Daffodil International University as well as our country to be able to take the responsibility of organizing such a prestigious event in Bangladesh.

I congratulate The Association of Universities of Asia and Pacific for their success and efforts and wish the 15th AUAP General Conference 2022 a grand success.

Joy Bangla, Joy Bangabandhu

May Bangladesh live forever

AKM Enamul Hoque Shameem MP





## Message from the

Secretary, Ministry of Education

دیفال سیکرٹری



Secretary,  
Secondary and Higher Education Division

I am happy to know that Daffodil International University is going to organize the 15th General Conference of Association of Universities of Asia and the Pacific (AUAP) 2022 on 14-16 of November 2022, which is going to bring in experts, academics, entrepreneurs, leaders of academia and industry on the same platform to have high level discourses to reach conclusions to set directions for holistic development of the nation and the wider world.

I believe that the conference's themes will include academic-industry collaboration, technological innovation in human resource development, and resource sharing. I'm delighted that the 15th General Conference of Association of Universities of Asia and the Pacific (AUAP) 2022 reflects similar features of tackling SDGs nationally and internationally because Daffodil International University has been working with Bangladesh's nation-building projects.

I wish the "15th General Conference of the Association of Universities of Asia and the Pacific (AUAP)" all the best.

Md. Abu Bakar Siddique





## Message from the

## Member, UGC



বাংলাদেশ  
বিশ্ববিদ্যালয় মঞ্জুরী কমিশন

### Member

University Grants Commission of Bangladesh

I am delighted to know that Daffodil International University is going to host the 15th AUAP General Conference 2022 in Dhaka from November 14-16, 2022, in partnership with The Association of Universities of Asia and Pacific (AUAP) at Daffodil Smart City, Ashulia, Dhaka, the permanent campus of the university.

The Association of Universities of Asia and the Pacific (AUAP) has contributed immensely to its member organizations in their academic and socio-economic development programs since its inception in 1995.

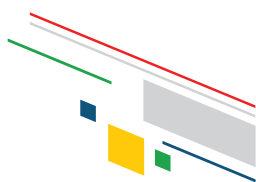
AUAP has provided support through acting as a forum for discourse and collaboration among universities in the Asia and Pacific regions. The association's goal is to promote increased dialogue, knowledge exchange, share experiences, and the pursuit of common advancement. It is encouraging to see that more institutions, experts, academics, leaders of the corporate sector and industry from Asia and the Pacific are joining the organization to discuss a range of topics pertaining to higher education and industry-academia collaboration. Since its founding, AUAP has been very successful in promoting a creative and excellent educational environment. The organization manages several programs and contributes enormously in the areas of education, research, innovation, diversity, various academic advancement and so forth.

The main theme of the conference, "Synergy between Information Technology and Quality Education in the 4IR Era" is highly commendable as it encompasses global, societal, and cultural trends in the 21st century.

I applaud the Association of Universities of Asia and Pacific (AUAP) on their accomplishments and efforts and send my best wishes for the 15th Conference. I believe Daffodil International University will continue to perform and promote such praiseworthy programs and maintain this sense of internationalisation in its future activities.

I wish the conference a grand success.

Biswajit Chanda







## Message from the

President of AUAP



President, AUAP (2021-2022)  
President

Lyceum of the Philippines University (LPU) Batangas, Laguna & Davao, Philippines

It is with great pleasure to welcome everyone to the 5th General Conference of the ASSOCIATION OF UNIVERSITIES OF ASIA AND THE PACIFIC (AUAP) 2022 with the theme: "Synergy between Information Technology and Quality Education in the 4IR Era" organized by Daffodil International University, Daffodil Smart City, Ashulia, Dhaka, Bangladesh.

This conference will serve as a platform in driving the growth in entrepreneurship, communication, and possible collaboration in areas of mutual benefit by sharing ideas, and experience during this post COVID 19 economy.

On behalf of AUAP, I would like to thank Daffodil International University and its Board of Trustees for their support in this Conference, distinguished participants and to all the dignitaries attending this conference. Now that we are leaving the pandemic behind us, it is apt that we ponder the future of our universities.

We look forward to a meaningful and successful 15th AUAP General Conference!

Dr. Peter P. Laurel





## Message from the

## Chairman, DIU



### Founder & Chairman

Board of Trustees

Daffodil International University, Bangladesh

First Vice President of AUAP for 2021-22

President of AUAP for 2023-24

I am thrilled to invite and welcome you to the 15th General Conference of the ASSOCIATION OF UNIVERSITIES OF ASIA AND THE PACIFIC (AUAP), which will be hosted in Bangladesh for the first time on November 14-16, 2022. It is a tremendous honor for Daffodil International University to organize this distinguished event.

Since establishment of AUAP in 1995, it has been working for creating entrepreneurial eco-system in higher education institutions of the region. In post COVID-19 pandemic and in the background of the 4IR, the 15th General Conference of the Association of Asia and the Pacific (AUAP) 2022 will act as a platform to provide opportunities for all stakeholders to share best practices of the universities and technological innovations and to bring all under one networking for moving forward for the benefit of all.

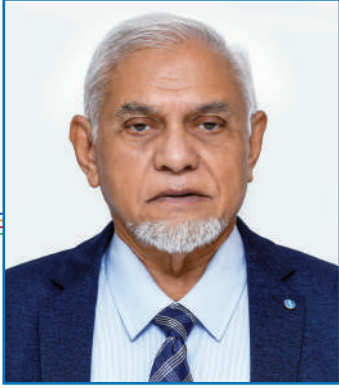
The subject of the 15th General Conference of the ASSOCIATION OF UNIVERSITIES OF ASIA AND THE PACIFIC (AUAP) 2022 is "Synergy between Information Technology and Quality Education in the 4IR Era: Determinants of Successful Entrepreneurial Eco-System Development in Asian Economies."

The conference will provide opportunities to meet with prominent speakers, participate in creative conversations, and engage in stimulating debates. We think that the notion of entrepreneurship will foster leadership qualities in students all across the world, allowing them to be successful in their careers and, in turn, help others to make a contribution to the society.

I sincerely appreciate and express my heartfelt thanks to the AUAP Board Members, Secretariat and organizers, and I hope the 15th AUAP General Conference in DIU and Bangladesh a grand success.

Dr. Md. Sabur Khan





## Message from the Vice Chancellor, DIU



Vice Chancellor  
Daffodil International University

We welcome the higher education leaders of AUAP and the other nations in Daffodil International University (DIU) in Dhaka, Bangladesh during November 14-16, 2022. The theme of the 15th AUAP is "Synergy between Information Technology and Quality Education in the 4IR Era". Quality education has become dependent on Information Technology, and the synergy between quality education and fourth generation industrial revolution is important for development of industry, economy and society in general.

The policy makers, educators and higher education leaders will present papers and exchange ideas with the theme of the 15th AUAP. We hope and believe that the ideas generated through the conference will be beneficial to the future development of industries in general and quality of tertiary education in particular. I hope that our international guests will have a comfortable stay in the historic city of Dhaka. We wish a grand success of the 15th AUAP general conference.

We are grateful to the dignitaries from Ministry of Education, Ministry of Post, Telecommunication and Information Technology, University Grants Commission and other organizations for their encouragement and cooperation for the conference. We are grateful to Dr. Md. Sabur Khan, Chairman, Board of Trustees of DIU for his keen interest and effective guidance throughout the progress of work for the 15th general conference of AUAP. We thank our esteemed colleagues for their hard work and dedication behind the conference.

Professor Dr. M. Lutfar Rahman





## Message from the

## Pro-Vice Chancellor, DIU



Pro-Vice Chancellor  
Daffodil International University  
Convener, 15th General Conference of the ASSOCIATION OF  
UNIVERSITIES OF ASIA AND THE PACIFIC (AUAP) 2022

On behalf of Daffodil International University, I extend my cordial greetings to the prominent higher education leaders from many Asian nations and around the globe, who have come to attend the 15th General Conference of the ASSOCIATION OF UNIVERSITIES OF ASIA AND THE PACIFIC (AUAP) on 14-16 November 2022 at our permanent campus at the Daffodil Smart City, Ashulia, Dhaka.

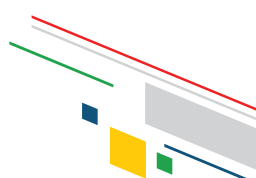
The main theme of the 15th AUAP is "Synergy between Information Technology and Quality Education in the 4IR Era". In line with this theme, the AUAP has been encouraging participants to present papers on challenges, problems, and educational products that address the issues facing the global village of the 21st century as well as forge partnerships to jointly aim to ensure growth in entrepreneurship, communication, and explore possibilities to collaborate in areas of mutual benefit in sharing information, ideas and experience.

I am delighted that Daffodil International University along with its partner institutions and event partners have come together to address the pressing issues of developing an entrepreneurial mindset and the skills required for the development of an entrepreneurial ecosystem in Asian economies. I'd like to thank the DIU Board of Trustees for their support of the event, as well as all our distinguished local and international participants for attending AUAP 2022. I would also congratulate all concerned for sharing information with one another, as well as partners, organizers, and the media for their sincere efforts in making the 15th AUAP 2022 a success.

I would like to express our sincere gratitude to the Honorable Education Minister Dr. Dipu Moni, M.P, for sending her well wishes via video message, Minister, Ministry of Post, Telecommunication and Information Technology Mustafa Jabbar, and the UGC member Prof Dr. Biswajit Chanda for attending the ceremonies as Chief of the event. Heartfelt thanks to the Almighty for providing the opportunity for all of us to come together on a single platform on this occasion to work towards a shared goal.

I hope the 15th General Conference of the ASSOCIATION OF UNIVERSITIES OF ASIA AND THE PACIFIC (AUAP) 2022 ends up as a very successful event.

Professor S. M. Mahbub-ul-Haque Majumder, Ph.D.











## About AUAP

Association of the Universities of Asia and the Pacific (AUAP) was established in Thailand in 1995 to act as a platform for interaction and collaboration by and between higher education institutions in Asia and the Pacific regions.

Its members include well-recognized and leading institutions in the region and globally. The board of directors of AUAP comprises the presidents and CEOs of the institutions, and it has an advisory board comprising globally recognized professionals in various fields including education, law, the UN System, health, business, and others. It has a robust governance structure to oversee all aspects of its work.

Since its founding, AUAP has been highly successful in promoting a culture of quality and innovation in education. Among other things, it organizes various programs and projects in the field of teaching, research, innovation, diversity, gender equality, cooperation for socio-economic development, sports, and services that benefit local communities. Dr. Peter P. Laurel, President, of Lyceum of the Philippines University is the President whereas Dr. Md. Sabur Khan, Founder & Chairman, of Daffodil International University is serving AUAP as First Vice President and Mr. Hari Mohan Gupta, Founder & Chancellor Jagran Lakecity University, India is serving AUAP as Second Vice President.

For more: [www.auap.org](http://www.auap.org)

# Dhaka

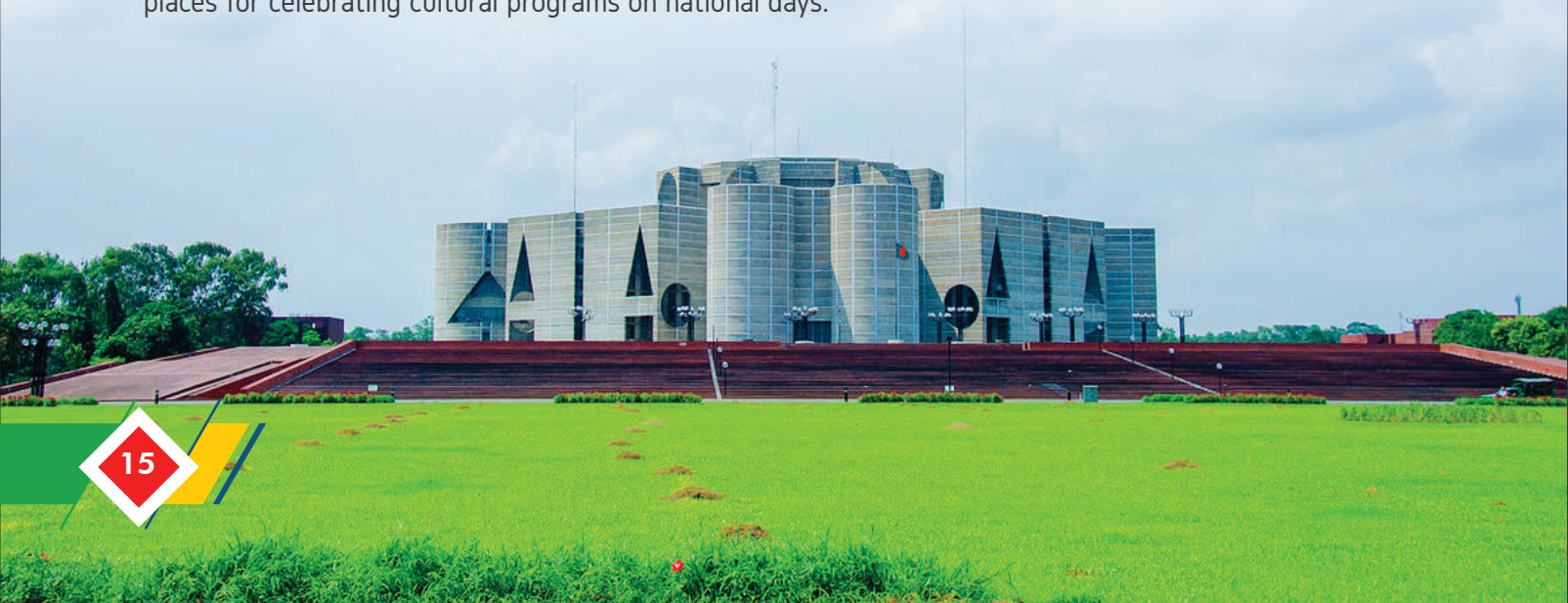
## the Capital of Bangladesh:

Dhaka, also spelled as Dacca, is the capital city of the South Asian country, Bangladesh. It is the hub of economic, political, and administrative enterprises located in central Bangladesh at 23°42'N 90°22'E, on the eastern banks of the Buriganga River. It lies on the lower reaches of the Ganges Delta and covers a total area of 306.38 square kilometers (around 118.29 square miles). Historically, Dhaka's name is said to refer to the dhak tree, once common in the area, or to Dhakeshwari ("The Hidden Goddess"), whose shrine is located in the western part of the city. Dhaka is also known as the City of Mosques, as per Islamic Foundation, there are more than 6000 mosques in Dhaka City including Baitul Mukarram Mosque, which is known as the National Mosque of Bangladesh.

Dhaka was associated with the periods of the Kamarupa kingdom, Sena kingdom, and Sultanate period, and was a part of the Mughal Empire, Nawab era, the British and Pakistani colonialism. The capital has a favorable climate characterized by tropical monsoon from June to October; mild winter from October to March; hot, humid summer from March to June. The demographic features of the city are varied in character. Dhaka (North and South) city corporations are the most populated urban areas with the highest density accommodating over 21 million people including Muslims, Hindus, Christians, Buddhists, and others.

Dhaka is rich with its long historical and archaeological heritage. It is considered one of the oldest cities in the globe comprising ancient monuments including Ahsan Manzil, Lalbagh Fort, Bahadur Shah Park, Bara Katra, Armenian Church, The Dhaka Gate, Rose Garden Palace, Ruplal House, and the modern excellence of the National Parliament Building. The Bangla Academy, situated inside the Dhaka University campus, organizes a month-long Amar Ekushey Boi Mela (Book Fair) every year to commemorate the Bangla Language Movement where global communities celebrate it as International Mother Language Day.

Dhaka is famous for its Rickshaw ride worldwide. Rickshaw transportation is one of the pollution-free transport systems in the world which is available in Dhaka. Both private and public vehicles, including Uber, Pathao, and Obhai CNG systems are popular. Commonly known shopping areas, supermarkets like Basundhara Shopping Mall and Jamuna Future Park fulfill the demand of the customers. Aarong, a subsidiary brand of BRAC, is famous for its local clothing products with authentic Bengali identity. For entertainment, Star Cineplex and Blockbuster Cinemas, Balaka, Modhumita, and Shamoly cinema halls are popular among the young generations for enjoying local and international movies. Dhaka is also prominent for its stage dramas. The Shilpakala Academy, Mahila Samiti Mancha, and the University of Dhaka are the most popular places for celebrating cultural programs on national days.







**Daffodil**  
*International*  
**University**

## Daffodil International University

Daffodil International University (DIU) is one of the top private universities in Bangladesh according to many national and international rankings, including THE, QS, and Green metrics for its green outlook. Currently, DIU has 22,000 students under 5 different faculties and 25 departments. Around 400 international students from many different countries are currently studying here too. DIU established international collaborations with around 440 universities all over the world and members of leading international organizations like AUPF, IIE, IAU, IAUP, AUAP, ACU, ALA, ACD, Magna Charta, UNAI, APAIE, EURAS, ESRUC, EEUA, ATUNET, IEEE, ISTQB, ACE, NAFSA, AMDISA, EAIE, ATIFTAF, ITU, ACBSP, UNGC, UMAP, IFLA, WUACD, GUNI, SDSN, ASEF, AIESEC, ASECU, IETI, Future Team, SDG Helpdesk, EEUA, etc.

With global partners, DIU is mutually working in the area of student and faculty exchange programs, summer & winter programs, scholarships, international internships, research collaborations, short-term training programs, virtual mobility, etc.



# 15<sup>th</sup> AUAP GENERAL CONFERENCE

## Theme:

Synergy between Information Technology and Quality Education in the 4IR Era

## Sub-Themes:

1. Online to Blended Using Technology for Employability
2. Experimental & Practical Components in Outcome-Based Education
3. Project-Based Teaching & Learning
4. Innovation, Incubation & Entrepreneurship
5. International Cooperation & Mobility
6. Faculty Development & Research





DR. FERNANDO LEÓN GARCÍA  
PRESIDENT IAUP 2021-2024  
PRESIDENT, CETYS UNIVERSITY

## Keynote Speech

14 November 2022  
DAFFODIL INTERNATIONAL UNIVERSITY  
DHAKA, BANGLADESH

# “Leadership Challenges in Higher Education: Moving from the Pandemic to the Post Pandemic Era”

Drawing from several global surveys and conferences on leadership in higher education, this presentation provides a summary of key challenges and opportunities that university leaders need to consider as we move beyond the pandemic and approach the post pandemic era. Among other key aspects to consider are “nimblity”, a bifocal leadership, intercultural and international, programs that are laser focused on skills and relevant to the workplace, supporting student development and success, diversity and inclusion as strengths, stressing the university mission, commitment to quality, seeking operational and financial sustainability, and being strategic in aims and intent. Above all, leaders should be cognizant of the shift from what we know and have considered as the university to what eventually will be the “glocal multiversity”.



## DR. FERNANDO LEÓN GARCÍA

PRESIDENT, INTERNATIONAL ASSOCIATION OF UNIVERSITY PRESIDENT (IAUP) 2021-2024  
PRESIDENT, CETYS UNIVERSITY

Dr. Leon-Garcia is President of the International Association of University President (IAUP) for 2021-2024. He has also been President of CETYS University since 2010, leading the institution to accreditation in the USA (WASC, ACBSP, ABET) and one of the most internationalized universities in Mexico. Prior to that, he served as Chancellor of City University of Seattle's International Division, with a presence across the Americas, Europe and Asia. He currently serves or has served on boards and/or advisory groups: Commission on Internationalization and Global Engagement of the American Council on Education, Council of Presidents of the Association of Governing Boards, Western Association of Schools and Colleges, Council for the Advancement and Support of Education, NAFSA International Educators Association, Hispanic Association of Colleges and Universities, Mexican Federation of Private Universities, Santander Universidades-Mexico, and Consortium for North American Higher Education Collaboration. Dr. León-García holds a doctoral degree in Educational Administration and Policy Analysis and an M.A. in International Development Education from Stanford University, as well as a B.S. in Industrial Engineering from CETYS University. He has been named to the Top 300 Leaders in Mexico (Los 300) from 2019 to 2022. In addition, Dr. León García has received Honorary Doctorates from Vysoka Skola Financni a Spravni (Czech Republic), Dimitrie Cantemir Christian University (Romania), and Caucasus University (Georgia).



# EMPOWERING LOCAL TOURISM COMMUNITY AFTER THE PANDEMIC: FACULTY-SOCIETY JOINT RESEARCH INITIATIVE IN BINTAN, INDONESIA

By: **Dr. Irfan Wahyudi, S. Sos., M.Comms.**  
Vice Dean for Internationalisation,  
Digitalisation and Information ...(Universitas Airlangga)


## Abstract

There have been significant efforts from academics and local communities in strengthening the ties among them by collaborating in different fields, especially after the pandemic. Community-related research initiatives between universities and society are common as a way to help each other in enhancing social and economic recovery after being hit by COVID-19 for more than two years (2020-2021). In Indonesia, communities actively participate in research provided by faculty members. With Airlangga Community Development Hub (ACDH) initiative, various faculties at Universitas Airlangga (Unair) are working together with tourism communities in Bintan in researching and enhancing technological and cultural literacies.

The ACDH initiative is managed by Unair's Center for Research and Community Services (LPPM). The initiative is aimed to enhance communities' access to research and further implement research results to improve their life condition. The ACDH is partnering with Bintan local government, especially the Pengudang village community. Bintan Island is bordering Indonesia with Malaysia and Singapore. Its unique culture and nature attract tourists from neighboring countries. However, the pandemic hits and left Bintan with its lowest posture in the tourism industry. Pengudang village is famous for its fishing culture and develop community-based tourism. They want to rise stronger in tourism by implementing important technologies, such as marine and cultural products. The ACDH is designing research in Bintan in early 2022 and further recruiting community members in running the survey. The research result is the foundational implementation of technologies in fisheries and cultures. Pengudang community is developing fisheries tools that are produced with the supervision of Universitas Airlangga's faculty of fisheries and marine. Digital technologies are used to promote local Malay culture through the facilitation of the faculty of Humanities. Furthermore, the faculty of medicine and psychology took part in researching mental health and utilizing workshops for Pengudang locals.

The collaboration of faculties and communities in Bintan is the result of an intensive collaboration. Research initiated by faculty members is utilizing its good connection with the community. It is not a one-off relationship. An ongoing and sustainable connection is crucial in keeping the trust. A useful research result is what can be beneficial to society. Yet these are important initiatives to intensify community growth in a post-Pandemic era.

Keywords: community, faculty, COVID, tourism, Indonesia



# BLENDING LEARNING: LEVERAGING TECHNOLOGY FOR 21ST-CENTURY LEARNING

**Abhishek Mohan Gupta,**  
Pro-Chancellor and Member of the Governing Body,  
Jagran Lakecity University, India.

## Abstract

The presentation would focus on connecting three key themes. Firstly, blended learning is clearly a reality in this third decade of the 21st century. The post-Covid world has truly become alive to the fact of blended learning. The transition from face-to-face learning to online learning and now to blended learning is a reality we experience across the higher education space. What one needs to keep in mind is that for drawing the maximum leverage from this transformation, it needs to be carefully calibrated and well-planned. Educational institutions and faculty would need to carefully plan `content in context`. What is ideal to be transacted online and what is essentially required to be done online is a conscious decision that needs to be made. When the world moved online during Covid it was by necessity and not by choice and involved shifting to online what was earlier done face-to-face with little time for assessing its utility and effectiveness. Secondly, Blended learning requires us to accept the fact that learning is not merely limited to the four walls of the classroom. Classrooms are not spaces for teaching but zones of learning. Further, learning in the blended mode happens well beyond the classroom too. Finally, as part of blended learning, there is a temptation to believe that technology replaces the formal classroom. It needs to be stressed that technology is an aid to learning and not a replacement for existing modes of learning. What blended learning privileges is technology-mediated learning and not technology-controlled learning. This would become possible when our `credo` of blended learning is `learning first` and `learner always`.





# Project and Research-Based Learning on Green Technology to Support the Sustainable Development Goals on Society

By Prof. Dr. Ni Nyoman Tri Puspaningsih, AUAP Board Co-Chairman 2 of AUAP Country Chapter Chair Committee Association of Universities of Asia and the Pacific (AUAP), Ali Rohman<sup>1</sup>, Lailathul Fithri, Kartika Dwi Asni Putri, Mamik Damayanti

Department of Chemistry, Faculty of Science and Technology, Universitas Airlangga, Surabaya, Indonesia;  
2Laboratory of Proteomic, UCoE- Research Center for Bio-Molecule Engineering, Universitas Airlangga, Surabaya, Indonesia;

## ABSTRACT

United Nations Industrial Development Organization (UNIDO) launched sustainable industrial development through Green Industry in 2011. Green Industry is the development and production of industries that do not harm human health and the environment. The main focus of green industry development is to increase the efficiency of natural resources, reduce pollution and industrial waste, and minimize the risk of using chemicals. Indonesia supports the achievement of sustainable development goals (SDGs) for 2030. In the field of agroindustry, Indonesia still needs to strengthen the development of the green industry. Indonesia, Malaysia, and Thailand are the three largest palm oil-producing countries in the world.

As a consequence, the estimated total of waste biomass produced is around 100 million tons/ha/year. Besides oil palm biomass, Indonesia also produces agricultural wastes, such as rice straw (55 million ton/year), corn biomass (12 million ton/year), soybean biomass (781 thousand ton/year), and cassava (467 ton/year). The agriculture biomass is mainly composed of lignocellulose material, generally consisting of celluloses (45- 55 %), hemicelluloses (35-40%), and lignins (5-20%). Biomass-acting enzymes are the group of lignocellulolytic enzymes that have a key role to convert biomass into beneficial products, such as animal feed, bioenergy, and organic fertilizer. The main enzymes produced by lignocellulolytic bacteria and fungi are cellulases, hemicellulases, pectinases, and ligninases. Industrial application of those enzymes is increasing year by year due to the eco-friendly impact of the enzymes. Most of the ASEAN countries still import biomass-acting enzymes from other countries. Indonesia is a potential country to produce biomass-acting enzymes due to the mega-biodiversity of natural resources of fungi and bacteria. Universitas Airlangga as a member of the ASEAN University Network has concerned to involve the Sustainable Development Goals topic in the project or research-based learning. Students can improve their skills and knowledge by designing projects or research based on green industry aspects. The student can choose project-based learning or research-based learning starting from the 5th semester. We also offer this program to overseas students, namely AMERICA Program. Enzymology course is the one of AMERTA Programs followed by students from Asian countries, such as the Philippines, Malaysia, Brunei, and Thailand. The courses are held by a research-based learning system consisting of class lecturing and field study. The students are expected to be able to design and do the research on exploring, characterization, purification, and production of the biomass-acting enzyme from natural resources. Proteomic Laboratory of Universitas Airlangga successfully produced biomass-acting enzymes, namely Excelzyme as a consortium lignocellulolytic enzyme, and also conducted the community workshop for Excelzyme application for organic fertilizer, animal feed, and pulp & paper industry.

Keywords: Project and Research-based learning, Biomass acting enzymes, AMERTA Program, Lignocellulose

# CREATING AND LEVERAGING SYNERGY BETWEEN INFORMATION TECHNOLOGY AND TEACHING-LEARNING PROCESSES IN 4IR by

Prof. A. SURYANARAYANA  
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## Abstract

The early part of the new millennium heralded the onset of Education 2.0 as it witnessed technology percolating the education process as teachers and students alike began using basic technology. This era is followed by Education 3.0 where intensive infiltration of user-generated internet on a massive scale as well as many and varied technological advancements became its hallmarks. During this period, with increased access to their own information, learners have the option to learn virtually. The availability of several platforms makes it possible for the learners to establish, use, and maintain easy connectivity with members of the faculty and other students also. The erstwhile back-and-forth student-teacher-centric processes are replaced by a unique personalized and networked approach to education where learners' independence, autonomy, and connectivity to different and diverse sources of information became the primary reasons for real celebrations all over. Now, Higher Learning Institutions are on the cusp of an entirely new phase, which is the harbinger of Education 4.0, which is the most desired and desirable approach as it aligns itself with the emerging Fourth Industrial Revolution or 4IR powered by smart technology that has immense potential to impact human lives. Swift developments that took place in the science and technology space subsequent to the onset of 4IR had their concomitant consequences not only on the people's lives but also on those of the learners. They are forcing educators to adopt new teaching methods as curricula underwent radical changes due to the introduction of Artificial Intelligence (AI) and the Internet of Things (IoT), etc. Education 4.0 is a purposefully well-thought-through philosophy toward a teaching-learning approach making it thoroughly in sync with Fourth Industrial Revolution as both are intrinsically intertwined. Keeping creativity-bringing something new into being-as its pivot, Education 4.0 underscores the importance of honing the skills of the learners to face and deal with the new era challenges head-on. It is highly personalized, creative, and learner-centric and is poised to supplant the obsolete and clumsy conventional educational procedures that have long outlived their utility while welcoming and giving way to cyber-physical systems that are prevalent across all industries today.

As Higher Learning Institutions (HLIs) are now required to adequately prepare the graduating students to become employable and future-ready, they must ensure that their teaching-learning methods and processes are always in sync with the technological breakthroughs happening outside their ecosystems. An attempt is made in this Concept Paper to examine the following issues and seek meaningful answers. They are: (i) How LEIs can hone the skills of the students to prepare them ready for and take up employment in the evolving industries, (ii) What new and novel approaches are needed to make the students 4IR- ready, (iii) What mechanisms and strategies required for coping with and adapting to the new realities of the emerging education ecosystem, (iv) How to leverage technology-supported teaching-learning strategies to welcome Education 4.0, and finally (v) The need for revisiting and revising current strategies to make HEIs future-ready.

Keywords: Industrial Revolution 4.0 (4IR); Higher Learning Institutions (HLIs); Education 4.0; Higher Educational Institutions (HEIs) Eco-system.



# INTRODUCING THE DIGITAL UNIVERSITY OF THE FUTURE

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## Abstract

Globally online learning is already established but learners still struggle to get affordable learning scopes, especially learners of Asia, and to arrange affordable and effective education for them, collaboration is required among educational institutes and industries. During pandemic both the capacity and demand for online teaching and learning have drastically increased. By initiating an OTT platform for higher education, modern and integrated AI-driven technology, partnership, and collaboration, the International Online University aims to establish a new model of a digital university for the future. Through a deep market study, we have found that it is very much possible today in the current situation to create a sustainable ecosystem that will create an expanded scope for the partners and affordable learning scopes for global learners. The future digital university is not just a single university, rather a platform that can carry and give value to multiple universities and industries to create affordable and time-demanding learning opportunities for global learners. The international Online University (IOU) is aiming to create that scope.

# THE IMPACT OF DIGITAL TRANSFORMATION MODEL TOWARDS EFFECTIVE IMPLEMENTATION OF A HYBRID LEARNING APPROACH

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Lyceum of the Philippines University-Laguna

## Abstract

The major objective of this study is to present the outcomes and the impact of the current and ongoing digital transformation of Lyceum of the Philippines University-Laguna established from the formulated framework for the implementation of hybrid learning based on the comprehensive theoretical model. The paper describes a conceptual model of the digital transformation of the university formed based on quantitative and qualitative analysis of participants focused on the requirements of the external conditions brought by the pandemic. The authors derived digital transformation was assessed and evaluated to verify the achievement based on the set goals of the institution. The key achievement and impacts were presented and resulted in successful implementation. The identification of additional key points was obtained as inputs to continually improve the implementation.

Keywords: digital transformation, hybrid learning, impact, pandemic





# INFORMATION AND COMMUNICATION TECHNOLOGY BASED LEARNING MODEL FOR MEDICAL STAFF OF AIRLANGGA UNIVERSITY HOSPITAL

NIKO AZHARI HIDAYAT

Deputy Head of Research and Community Services Institute

## Abstract

Rapid technological developments are starting to be used in the health sector to develop the quality of human resources. This study aims to determine the factors that influence the development of human resources by analyzing their relationship with the components in technological development ranging from the characteristics of the technology used, the ease and usefulness of its use, its influence in daily habits and social life. This research is a quantitative research method using primary data in the form of a questionnaire. In this study, a total of 268 respondents ( $n = 268$ ) gave their opinions regarding statements ranging from strongly agree, agree, normal, disagree, and strongly disagree. Then the data were analyzed by SPSS to be tested for validity, reliability, descriptive, and regression test on each variable relationship. In the validity test, it was found that the entire statement was a valid statement because it had a correlation  $>0.05$  and a significance  $<0.05$  ( $\alpha <0.05$ ). Then in the reliability test, the entire statement is reliable data because it has a Cronbach Alpha's value  $> 0.6$ . Then a descriptive test was conducted to determine the distribution of each data. Finally, a reliability test was conducted to determine the relationship between each variable. The results of this study indicate that in each R test, a significance value of  $<0.05$  is obtained, and the direction of the regression coefficient is positive on the overall relationship between factors. The conclusion in this study is the development of technology by considering the characteristics of technology,

Keywords: Human Resource Development – Information and Communication Technology (ICT) – Airlangga University Hospital



# INTERNATIONALIZATION OF TURKISH HIGHER EDUCATION: A CASE STUDY OF KARABUK UNIVERSITY

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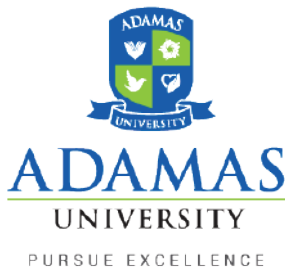
## Abstract

In the edge of fourth industrial revolution, Internationalization in higher education is entering a new phase. A shift from internationalization abroad with its strong focus on mobility of students, faculty, administrators, and programs toward internationalization at host/home country for all members of the academic community has become more urgent than ever.

The research paper attempts to share the internationalization process of Karabuk University. During 2015-2016 academic year, the university chose different perspective and made an effort to recruit international students. Karabuk was the third province with the highest number of Syrian students in that year. There were 931 Syrian students at the university.

The paper also highlights the initiative taken for the country, Chad. The university also targets to enroll top 1000 Students from the first 1000 students in the university exam of every country throughout the world. This research paper cited the example of the student admission in Chad in 2017. The university currently ranked 1st university in Turkey with the highest number of international students. 12082 students were enrolled from about 30 universities from different parts of the world. The paper also stresses on global ranking as well. The university has already been entered into the list, determined by Times Higher Education (THE). Karabuk University has been in the top 500 for the last four years among Emerging Economies University Rankings and Asian Universities by THE as well. The goal of the university is to be in the top 1000 in the World Ranking. To align with the objectives, the paper also recommends their strategic steps.

**Keywords:** Internationalization, Karabuk University, Chad, student admission, world ranking.



## Adamas University, India

Adamas University, India was established under the West Bengal Act IV of 2014 and started functioning from 2015 in a sprawling green campus expanding over 120 acres in Barasat, Kolkata. The University aspires to impart finest quality education to the young minds and to be a global university in time to come.

Currently, the University has around 4000 students, 33 Undergraduate programmes, 2 diploma programmes and 38 Postgraduate programmes in ten schools: Engineering & Technology, Science, Social Science, Media & Communication, Law & Justice, Economics & Commerce, Management, Life science & Biotechnology, Pharmaceutical Technology, and Education.

The University is active in internationalization and has already signed MOUs with 41 universities in 20 countries in Asia, Europe, North and South America.

The University had organized International Conference on “Current Trends in Higher Education” in 2018 and 2019 with international speakers from over twenty nations.

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## Assam down town University (AdtU), India

Assam down town University (AdtU) was established under down town Charity Trust in 2010 to respond to the need of ushering in quality education in North Eastern Region of India at an affordable cost. AdtU is a multi-disciplinary university and has been offering excellent education in Engineering, Sciences, Paramedical Sciences, Nursing, Pharmaceutical Science, Management and Humanities and embarking into interdisciplinary research. With Students from over 20 Indian states and 5 countries, AdtU is one of the most ethnically and culturally diverse universities in the region. AdtU is emerging as a leading private university in the North East with more than 300 faculty members and over 6000 students on its roll. AdtU strongly believes in the synergy of research and academics in higher education to create highly successful individuals, ready to accept challenge and remain socially committed.



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## California Baptist University, USA

California Baptist University believes each person has been created for a unique purpose. CBU strives to help students understand and engage in this purpose by providing a Christ-centered educational experience that integrates academics with spiritual and social development opportunities. Graduates are challenged to become individuals whose skills, integrity, and sense of purpose glorify God and distinguish them in the workplace and in the world. California Baptist University is one of the top private Christian colleges and universities in Southern California. CBU offers associate's, bachelor's, master's, doctoral and credential programs in Riverside, San Bernardino, and online.

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## CETYS University, Mexico

CETYS University is a private, multi-campus system, with more than 8,000 students, located in the dynamic and strategic state of Baja California, in Mexico, across the border from California, USA. The institution is a global university that promotes entrepreneurship and innovation, business linkages, internationalization, information literacy, social responsibility, and sustainability in its different undergraduate and graduate programs. CETYS University has been recognized by the Mexican Ministry of Education as an Institution with High Academic Quality in Mexico and by the Ministry of Education of the state of Baja California as the only private Institution of Excellence in the state. CETYS University is accredited in Mexico by the Ministry of Education and the State of Baja California and internationally accredited (USA) by the Western Association of Schools and Colleges (WASC), the Accreditation Council for Business Schools and Programs (ACBSP), and the Accreditation Board for Engineering and Technology (ABET). It participates in global rankings such as QS Stars and Times Higher Education.

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## Danubius University, Romania

Danubius University has assumed the vision of being a recognized university in the Black Sea and Baltic Sea, namely as an international university of excellence, an open and stimulating educational environment for professional, academic, and entrepreneurial development, but also as well as for the constant exchange of ideas and values. The involvement of business partners in the design of our university strategy, in establishing the mission and objectives of the study programs, as well as the transversal competencies that the graduate of the different specializations of the faculties must accumulate in project implementation is an integral part of the academic culture promoted by the Entrepreneurial Danubius University. In a digitalized world, the hybrid system has led Danubius University education to new ways of teaching and interacting with our students and learners, adapting to new technologies with great flexibility, offering everyone who accesses our study platform, Danubius Sakai, new opportunities to explore the benefits of digitization. Virtual space has long become for our University a complementary environment of teaching-learning-research, an environment that facilitates education regardless of time, place, and space, ensuring, without compromising the rigors and principles of higher education, the quality of teaching, pedagogy, and research.

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## Jagran Lakecity University (JLU) Bhopal, India

Jagran Lakecity University (JLU) Bhopal is a private university established under Section 2(f) of the UGC Act 1956 and is based out of Bhopal, Madhya Pradesh. JLU Bhopal is one of the fastest growing and one of the most awarded universities of Central India having practice-based pedagogy at its core. Currently, the university is offering 50+ degree programs to more than 2500 students from 8 countries and 27 states of India. The university has numerous Partnerships with Top Industries and International Educational Institutes, ensuring the students get great exposure both nationally and internationally. JLU Bhopal is the only participating university from Central India ERASMUS+ program under the Tuning India Project, funded by the European Commission, and is also currently the country chair for the Association of Universities of Asia Pacific (AUAP). Jagran Lakecity University became the first university in MP & CG to be awarded the 'DIAMOND' rating by QS I-Gauge, an International Rating agency in June 2021. JLU was ranked the 30th best private university in India by the Education World in 2021 and also got the E-Learning Excellence for Academic Digitization (E-Lead) Certification 2020-21, by QS I -Gauge. India Today and Outlook India, have ranked Jagran School of Journalism and Mass Communication, JLU Bhopal as No.1 in Madhya Pradesh and top 15 in India in 2020 and the University has been bestowed with several prestigious awards, such as 'The University of the Year by Government of Madhya Pradesh for consecutive five years from 2015 to 2019 and is recognized as a Global League Institution in 2015 at the House of Commons, London, UK

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*igniting minds; changing lives*



## Lyceum of the Philippines University- Batangas, Philippines

Lyceum of the Philippines University-Batangas was established in 1966 by the late Senator, Dr. Sotero H. Laurel adopting the educational philosophy of his father, former President of the Philippines-Jose P. Laurel. LPU-B received its university status from CHED in 2008 and Autonomous status in 2009 and 2016. It envisions to be a recognized industry-driven university in the Asia Pacific Region by 2026. Awarded as a 4-star QS Rated university in 2021. A Global Performance Excellence Awardee- World Class Award (Highest) by APQO in 2017. A Philippine Quality Awardee for its Proficiency in Quality Management. A Center of Excellence in Tourism and Medical Laboratory Science programs and Center of Development in Business and IT programs awarded by CHED. Internationally accredited by THE-ICE and APIEM for Hospitality and Tourism Programs. Asia's first Investors in People (iIP) Gold (Generation 6) accredited university. LPU-B is set to continue its journey towards sustainable organizational excellence.

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## Kalinga Institute of Industrial Technology (KIIT) India



Kalinga Institute of Industrial Technology (KIIT) Deemed to be University is one of the best universities in India located in the capital city of Odisha, Bhubaneswar which is in the mineral-rich eastern part of India. Within a brief span of 30 years, KIIT has emerged to be a leading private institution of quality education and skill development in India. The University has been conferred ‘Category and ‘status by the Ministry of Education, Government of India. KIIT has also entered the prestigious ‘Times Higher Education World Ranking’ in the year 2019. It was also ranked 8th among private universities in India by QS World University rankings. At the same time, it has been ranked 20th in India by the National Institute Ranking Framework (NIRF), Ministry of Education, Govt of India. KIIT degrees are accredited in ‘Tier 1’ accreditation (Washington Accord) by the National Board of Accreditation and by the Institute of Engineering & Technology (IET), United Kingdom. 23 world-class campuses; • 100+ programs; • 2,500+ faculty and researchers; • 12,000+ non-academic staff; • 30,000+ students; • 1500 international students from 54 countries (400+ added in the last academic year); • A leading partner of Govt. of India’s Study in India Programme; • 15 sports complexes with Olympic size Swimming Pools; • 15 Food Courts; and • 25 sq. km. Academic township. The university has 30,000 students including over 1500 international students from 54 different countries around the globe. KIIT offers more than 100 academic Undergraduate and Postgraduate programs in Engineering, Law, Biotechnology, Medical Sciences, Applied Sciences, Business Administration, Architecture, Film and Media Science, Fashion Technology, Humanities, and Yoga. KIIT has established academic partnerships and collaborations with more than 175 world-class universities from across the world. As a direct benefit, KIIT students have been going to various partner universities regularly and similarly receiving exchange students from different partner universities all over the world.

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## Our Lady of Fatima University, Philippines

OLFU started its humble beginning in 1967 as a private non-sectarian educational institution, and became a university in 2002. Its strong student population and dedicated employees across six campuses are strong confirmations that OLFU is living up to its vision to be “a premier inclusive university of choice aspiring to improve man as a man by developing individuals through a legacy of excellent education and compassionate value formation.” OLFU is also an autonomous academic institution, granted such a distinction award by the Philippine Commission on Higher Education. Being an autonomous university carries with it the affirmation that the programs offered and the systems and processes are of high quality and above the rest. OLFU is proud to be a Center of Excellence in its Hospitality Program and a Center of Development in the Pharmacy Program. OLFU is likewise actively pursuing the path towards internationalization and is currently a member of the University Mobility in Asia and the Pacific (UMAP) and the Association of Universities in Asia and the Pacific (AUAP). The University is also an accredited Training Center of the American Heart Association and an institutional partner in Nursing and Research of the Sigma Theta Tau International Honor Society. OLFU has been included in the 2022 Global Top 100 Universities Ranking of the World’s Universities with Real Impact Rankings (WURI).



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## Nalanda University, India



Nalanda, a postgraduate, research-intensive international university in Rajgir, Bihar, is financed by East Asia Summit nations. A special Act of the Indian Parliament established the University as a “institute of national significance” on November 25, 2010.

Nalanda strives to achieve and create worldwide standards of academic excellence and research and allow capacity development in all fields of higher learning, inspired by its ancient forerunner. 17 East Asia Summit Member States have signed Intergovernmental Memorandums of Understanding supporting the University.

The University aims to restore Asia’s pre-historical links and alliances. Asian civilizations share many ancient cultural traits. Recent discoveries of inter-Asian links have revived interest in shared past. Nalanda University is envisioned as an emblem of this new Asian renaissance: a creative arena that will foster inter-civilizational discourse for future generations.

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## Virgen Milagrosa University Foundation (VMUF), Philippines



Virgen Milagrosa University Foundation (VMUF), is a 65-year-old Catholic institution that continuously strives for excellence, in the fields of instruction, research, and extension services. As a testament to its passion to provide the highest distinctive honor of providing excellent programs and services, VMUF has been granted autonomous status by the Commission on Higher Education (CHED) and ISO 9001:2015 certification. VMUF offers a whole range of educational programs from Basic to Tertiary Education and Post Graduate Studies. It also offers Technical Vocational Programs under Technical Education and Skills Development Authority with 7 programs. VMUF is vehemently committed to producing topnotchers who are lifelong learners with consistent performance in the board licensure examinations. VMUF is also a PACUCOA Awardee (Category A) with 11 programs accredited by the Philippine Association of Colleges and Universities Commission on Accreditation (PACUCOA).

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## Southville International School and Colleges Philippines

Southville International School and Colleges is the only Philippine international school offering a wide array of programs from preschool to graduate studies, following the US and European curriculum standards. Its graduates have gone on to excel in prestigious universities abroad such as Harvard University, Imperial College London, and Massachusetts Institute of Technology. Southville is accredited by the Western Association of Schools and Colleges (WASC) USA, certified gold status by the Investors in People (IIP) UK, authorized by the International Baccalaureate Organization (IBO), recipient of the Philippine Quality Award (PQA), awarded BEST practice (Virtual Online Learning and Teaching) Platinum Award by the Asia Pacific Quality Organization (APQO-New Zealand) and is recognized by Republic Act (R.A.) 9493 as a "School of International Character". Southville has produced global achievers such as Mark Gonzales, the Test Lead Vision Processor of the MARS: Rover Perseverance; Gen Mark Tanno, Microsoft Software Engineer; and professional golfer Abby Arevalo, SEA Games gold medalist, among others.



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## San Pedro College, Philippines

San Pedro College was founded in 1956 by the Dominican Sisters of the Trinity from Quebec, Canada. It began as a school of nursing of the San Pedro Hospital, the first Catholic hospital in Mindanao, which the religious sisters have been operating since their arrival in 1948. Inspired by the Most Rev. Clovis Thibault, PME, then Bishop of Davao, the Dominican Sisters led by Sr. Pauline Guilmette, OP, and Sr. Cecile Denise, OP, laid the foundation of the San Pedro Hospital School of Nursing. Bishop Thibault facilitated the acquisition of the land on which the school was built.

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## International Online University (IOU), USA

International Online University (IOU) is an open platform for online courses offered by reputed teachers, educators, institutions and organizations worldwide. The platform aims to lower the skill gaps of learners by offering modular skill and application based tutorials and guidelines carefully crafted by global educators and industries.

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## Universitas Airlangga, Indonesia

Established on 10 November 1954, Universitas Airlangga is home to 15 faculties and 2 schools, with 174 study programs that cover fields ranging from life science, health science, technological science, and social science. Its vision is to become an independent, innovative, and a leading university, both at the national and international levels, as well as the pioneer of the development of science, technology, and humanities, based on religious morality. Headquartered in Surabaya, Universitas Airlangga has six campuses spread across the East Java region, from Surabaya, Banyuwangi, and Lamongan. Per July this year, Universitas Airlangga harbors 44,805 students, and 2,002 teaching staff and has currently employed 2,072 non-teaching academic staff.

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## Universiti Islam Sultan Sharif Ali, Brunei

Universiti Islam Sultan Sharif Ali or better known as UNISSA is an Islamic University of international standard that offers a variety of programs across disciplines based on Al-Quran and al-Sunnah. Established in 2007, it attests to the commitment of His Majesty the Sultan and Yang Di-Pertuan of Brunei Darussalam to upholding Islam through education. As the second national university and the first Islamic university in Brunei Darussalam, UNISSA strives to produce Muslim scholars and intellectuals who contribute to the development of the ummah and the nation, in support of Brunei Darussalam's efforts towards becoming a Zikir nation. In an effort to improve its academic quality, UNISSA continuously strives to ensure that its programs and courses meet international standards and are responsive to current needs.

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## University of Asia Pacific (UAP), Bangladesh

University of Asia Pacific (UAP) is a government-approved private university in Bangladesh established by the University of Asia Pacific Foundation (UAPF) in 1996. The university was established under the Private University act of 1992, with a vision to enhance the opportunities for higher education in Bangladesh. The main objective of UAP is to provide high-quality education at the tertiary level relevant to the demands of high-quality dynamic academia in Bangladesh. The courses and curricula are designed to enable and equip a student to enter into the national and international job market or pursue higher academic and professional goals with a solid academic foundation. The university also equips its students with the means to become productive and proactive members of the community and continue the practice of continuous learning to become 'future leaders' & useful members of society. This year UAP is organizing the ICPC(International Collegiate Programming Contest) 2022 for the first time in Asia.



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## St. Joseph's Degree & PG College, India

St. Joseph's Degree & PG College, established in the year 1997 by the Hyderabad Archdiocese Educational Society, is a Co-education Catholic Christian Minority Institution. The college functions under His Grace Most Rev. Poola Anthony, Archbishop of Hyderabad. The college is centrally located in a 2.5-acre Wi-Fi campus with state-of-the-art infrastructure. It has emerged as one of the leading higher educational institutions in the country, with a growing reputation among academia and industry as the top destination for world-class knowledge, skills, universal values, and global employability.

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## The Ahsanullah University of Science and Technology (AUST)

Background The Ahsanullah University of Science and Technology (AUST) was founded by the Dhaka Ahsania Mission in 1995. Dhaka Ahsania Mission is a non-profit voluntary organization in Bangladesh. The Mission was established in 1958 by Khan Bahadur Ahsanullah, an outstanding educationist and social reformer of undivided India. With his own vision of a better society, characterized by a wealth of moral and spiritual values of the highest humanism that are universally acclaimed through ages and manifested in every sphere of life social, economic and cultural; and access to education and resources, he established the Mission. His remarkable educational reforms include among others introduction of roll number system in the public examination and creating equal opportunity for education of all groups of people in the society. Besides, he has contributed to the society by writing a large number of books covering a wide range of areas from human and social life, history, human development, literature, religion, biography, moral values etc. Though initially charity and welfare activities were the major focus of the Mission agenda, it has expanded its arena of activities leaning towards sustainable development strategies with the passage of time since early 1980s. Hazrat Khan Bahadur Ahsanullah (R) The Inspiration of the University Hazrat Khan Bahadur Ahsanullah (R) M.A., M.R.S.A., I.E.S. (1873-1965), was the Assistant Director of Public Instruction for Bengal and Assam Provinces of undivided India (1925-29). The curricula of the university are designed to produce quality graduates imbued with the spirit of ethical values and equipped with knowledge and skills appropriate to their professional fields. AUST graduates are taught and trained to accept the challenges in their arena of jobs and to contribute meaningfully to the society and overall development of the country.

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## Karabuk University, Turkey

Type (Public or Foundation): PUBLIC Student Body (Number of Students, Both National and International): ( 46.838 total) 35.588 Turkish 12.255 International Students (1st in Türkiye) Date of Foundation : 2007 Erasmus ID Code : TR KARABUK 01 PIC number : 948012914 UNIKA holds a valid (2021-2027) Erasmus Extended Charter and has been awarded Diploma Supplement Label (DS) 2011-2014 and ECTS Label 2013-2016 by European Commission. It is ranked #301-350 in EECA University Rankings 2022 by QS Ranking. Karabük University by Times Higher Education (THE) 1201-1500th World University Rankings 2023 601-800th Impact Rankings 2022 301-350th Young University Rankings 2022 601-800 Subject Ranking ,Engineering .Karabük University Turkey

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## Washington University of Science and Technology, USA

The mission of WUST is to provide a diverse student body with career-related education based on scholarly, innovative, and practical approaches to meet emerging global challenges, through the following objectives: . To develop career-related programs and emphasize on skill development. . To provide practical training through CPT; and . To provide students with ongoing career development services

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## American International University Bangladesh (AIUB) , Bangladesh

American International University Bangladesh (AIUB), a private university in Dhaka, Bangladesh, is recognized and well-known. Trustees govern the university. Four faculties provide graduate and undergraduate engineering and business degrees. A glass-covered core globe structure building enhances this academic campus. The glass-covered core globe structure houses a huge library.

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## Military Institute Of Science And Technology (MIST), Bangladesh

MIST is established on 19th April 1998 by the HPM Sheikh Hasina. It is one of the leading engineering institutions of Bangladesh with a wide array of programs for graduation and post graduation. • Academic journey started in 1999. • 12 Degree Awarding Engineering Departments. • Around 2800 UG students and 600 PG students including 60 for PhD. • 380 Faculty members amongst them 110 PhD Faculties, 20 junior faculties pursuing PhD and 4 foreign faculties. • Student-Faculty Ratio 9:1. • International students from 7 countries. • More than 85% Non-Military students. • 5 Academic Towers with over 0.825 million square feet floor area. • 102 quality engineering labs. • World class research facilities including library, gym, café, medical facilities, male and female hostels, transport, playing ground etc. • Being a public institute, tuition fee is nominal. • Regular Academic Curriculum for four (4) year graduation. Strict adherence to academic calendar. • 5600 students graduated by 2021. • MIST International Journal of Science and Technology (MIJST) - A Peer Reviewed Online open Access International Journal.

Website: <https://mist.ac.bd>

Email: [info@mist.ac.bd](mailto:info@mist.ac.bd)

## Port City International University, Bangladesh

Port City International University (PCIU) was founded by Mr. AKM Enamul Hoque Shameem MP, Hon'ble Deputy Minister, Ministry of Water Resources, Government of the People's Republic of Bangladesh, in the city of Chattogram as a private university in 2012 with the approval of Ministry of Education. The Board of Trustees of the university comprises eminent educationists, education devotees and well known reputable entrepreneurs and the members have vast and hands-on experience in running such institutions in different capacities in the past. The university has been established with a view to creating a leading global center of excellence in higher education and research and a center of useful learning - open to all. Port City International University started its academic journey with only 6 faculty members, 4 officers, 1 staff and 69 students in 6 programs on May 17, 2013. At present the university has more than 5000 students in 14 undergraduate and postgraduate programs under 9 departments in the discipline of science, engineering, business, law and social science, 150 fulltime faculty members, 54 officials and 120 supporting staffs. Since the establishment, PCIU has been focusing on assisting the students in facing the challenges of the ever advancing world. PCIU is a platform where students can rise to the highest level of their capability. It provides an outstanding and supportive environment for both undergraduate and postgraduate students. A talented and dedicated group of academics provide appropriate guidance and counsel the students to excel their research, academic and career endeavor. The dynamic teaching and learning environment of PCIU brims with talent, creativity and international connections. PCIU is moving in the right direction to be one of the leading universities in this region with the co-operations of the students, guardians, academics, professionals, officials, staffs and well wishers.

Website: [www.portcity.edu.bd](http://www.portcity.edu.bd)

Email: [portcityuniversity@gmail.com](mailto:portcityuniversity@gmail.com)



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Vice President of Global Initiatives

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# CONTRIBUTION OF DIU

## Introduction:

Daffodil International University (DIU), since its start in 2002, has been focused on creating a motivated generation equipped with the knowledge and skills required by 21st-century multinationals, corporates, and the job market. With a view to being the leading entrepreneurial university, DIU shapes all graduates through effective guidance, career counseling, grooming, personality and confidence development, quality education, regular monitoring, and leadership development.

The campus of DIU is situated in Daffodil Smart City (DSC), Ashulia, near Uttara, Dhaka in about a hundred acres of calm, serene, lush-green open environment free from the humdrum of the city. It has separate academic and administrative infrastructures and residential halls for boys and girls, sports ground, different labs, large auditorium, a gymnasium etc.

To keep this purpose-built unique campus free from all sorts of pollution, Bio-Gas Plants, massive plantations, deer feeding, solar energy infrastructure and a large cycling track are some of the features of the green movement of DIU. Changing oneself and changing others calling for 'change together' in all academic and social spheres gradually but obviously through encouraging physical exercise, parade and sports spirit, yoga, and pranayama for sound health is a major feature emerging out of the great vision of DIU.

## INSTITUTES:

- \* International Quality Assurance Cell (IQAC)
- \* Human Resource Development Institute (HRDI)
- \* Career Development Center (CDC)
- \* Daffodil Institute of Social Sciences (DISS)
- \* Daffodil Institute of Languages (DIL)
- \* Daffodil Islamic Center (DIC)

## RESEARCH CENTERS:

- \* Research Center for Business and Economics
- \* Research Center for Science and Information Technology
- \* Research Center for Humanities and Social Sciences
- \* Research Center for Allied Health Science
- \* Bureau of Business and Economic Research.



## **AWARDS, HONORS, AND RANKINGS: WORLD UNIVERSITY RANKINGS:**

- » Daffodil International University achieved the top position in Bangladesh and within the top 400 global Universities by the Times Higher Education Impact Rankings-2022. Besides, DIU ranked 85th in terms of Quality Education (SDG-4) and retained its top position in Bangladesh since 2019 in THE Impact rankings.
- » DIU has been ranked within the top 400 Universities (351-400) in Asia and as one of the top-ranked Bangladeshi Universities by QS Asia University Rankings-2022. QS also recognized DIU as a High Research Intensive university.
- » DIU Topped in Bangladesh and ranked 175th globally in the UI-Greenmetric World University Rankings-2021. DIU retained the top position in Bangladesh in this ranking since 2016.
- » DIU obtained the first position among private universities in Bangladesh in terms of Scopus-indexed quality research publications in 2019 and 2020.
- » DIU ranked in SCIMAGO Institutions Rankings 2021 due to its impactful quality research publications
- » DIU has been ranked within the top 500 global universities in the U-MultiRank-2022.
- » World's University with Real Impact (WURI)-2022 ranked DIU in the 51-100 range for Entrepreneurial Spirit.

### **Ph.D. programs at DIU:**

DIU has introduced Ph.D. programs in collaboration with many foreign universities like USIM, CNU, KIIT, UniMAP, OUM, TIU, and UM.

### **International Campuses:**

With approval from UGC, DIU is planning to establish its overseas campuses in Dubai, UAE, and Sri Lanka and in a few other countries.

### **Faculty Members:**

A Total of 770 Full Time 350, 70 part-timers, 62 contractual and 26 visiting faculty (foreign), 55 Adjunct Faculty (Industry Expert), and 207 faculty on Study Leave, have been working at DIU to keep up with the world standards of education DIU is set to impart. Adjunct Faculty (Industry

### **Officials and Supporting Staff:**

In addition to automation systems in place, DIU's day-to-day business is run by 276 Officials, 405 support, and 120 outsourced staff.

Admin

### **International Students:**

A total of 450 students from 14 countries are currently studying at DIU.

## Scholarship and Waiver:

Currently more than 16297 DIU students are enjoying scholarships each semester. (13634-Covid, regular-2663) During the year 2021 16,311 students received Scholarships and Waivers.

## One Student One Laptop:

More than 50000 laptops have already been distributed among students to create an IT-experienced future generation.

## CSR and ASR:

DIU contributes significantly to Corporate Social Responsibilities (CSR) and Academic Social Responsibilities (ASR) regularly to many individuals, communities, and organizations all over the country. Daffodil Institute of Social Sciences (DISS) is the CSR-based initiative of DIU. DISS is an action for deprived children which came to light in the year 2016 after huge research for child education systems. We wanted to contribute to a hunger and ignorance-free society where children will not only get the opportunity to learn and lead a better life but also would be able to contribute to the national economy.

## Cheer with the Champions:


DIU achieved Gold medals in Cycling, Badminton (Singles), Badminton (Double), and Table Tennis Singles in Bangabandhu Inter-University Sports Champs 2019; EWU winter smash 2020, Badminton Girls single Champion, Boys double Runner Up, mixed double Runner Up; Boy's single Runner Up; EWU winter smash 2019 Badminton Champion both in singles and doubles (boys); Indo Bangla International Inter University T20 cricket tournament 2019 Champion. DIU won the fair play trophy in the Bangabandhu Inter-University Sports Champ 2019; became champion in the 9th UIU National Debate Championship, and Runner Up in National Energy Hackathon-2017. Among some other significant international awards is the Merit Award from WITSA (2021), the World Congress of IT (WCIT) 2017 Merit Award, the Global Inclusion Awards 2017, the Merit Award in WITSA 2017, the Merit Award in WITSA 2014, Global ICT Excellence Awards 2016, and MTC Global Outstanding Corporate Award 2016.

## International Academic Partnership:

DIU has established an academic partnership with 450+ prestigious universities and academic institutions from over 70 countries around the world and has been partnered with 54 different international organizations. Link: [https://daffodilvarsity.edu.bd/international\\_linkage](https://daffodilvarsity.edu.bd/international_linkage)

## Entrepreneurs Network:

Daffodil International University has created more than 4000 entrepreneurs worldwide as a direct consequence of the groundbreaking achievements of the Department of Innovation and Entrepreneurship, Innovation Lab, Are you the next Startup, Entrepreneurship Development Fund, Co-working space, Business Incubator, Entrepreneurs' Club, Venture Capital Ltd., Startup Market,



Startup Bangladesh, Young Entrepreneurs Association (YEA), World Union of Small and Medium Enterprises, Enterprise Competitiveness Institute (ECI), Makers' Lab, Startup Restaurant & Café, Startup Grind, Young Women Entrepreneurs' Forum, etc.

### Blended Learning Center (BLC):

DIU made the system very easy and user-friendly so that any student and teacher can use it without any hassles. DIU has hosted the platform in the AWS cloud infrastructure to scale the platform to accommodate more than 20000 students and teachers. The system has already been proven effortless and effective. The system has been designed in such a way that students can easily access and enroll in the courses utilizing their DIU-provided unique email addresses. The course details and credentials are provided by the teachers and coordination officers of each department to the students based on their registration.

### Faculty of Graduate Studies (FGS):

The Faculty of Graduate Studies (FGS) of DIU was established in August 2022 as per the approval of the Academic Council Meeting held on July 20, 2022, and the subsequent approval of DIU management. Meanwhile, a proposal was made and submitted by the Director of the Division of Research (DoR) to merge all the activities of the Division of Research into the FGS. The main focus of the DoR was to institutionalize the research culture of DIU, which was participated in by the faculty, students, alumni, and admin researchers, and to promote the international rankings and reputations of the university. Apart from the above activities, the agenda of the newly established FGS includes: offering postgraduate research degree programs, that is, Masters by Research and PhDs; and executing research funding and partnerships. Besides, managing and conducting collaborative research with local and foreign universities and involving students in research are important components of the DIU research culture. Participation in world university rankings (especially THE and QS) and ensuring a prestigious position in the ranking list are also important aspects of FGS activities. Hence, the Faculty of Graduate Studies comprises three divisions: 1. Research and Postgraduate Studies; 2. Research Funding and Partnerships; and 3. University Rankings

### International Memberships:

To provide students with opportunities to achieve global fitness, DIU is always in touch with world-renowned organizations, such as AUPF, IIE, IAU, IAUP, AUAP, ACU, ALA, ACD, Magna Charta, ASEF, GEN, UNAI, APAIE, EURAS, ESRUC, GUNI, IEEE, ISTQB, ACE, NAFSA, EAIE, ATIFTAF, ITU, ACBSP, UNGC, UMAP, APUCEN, IFLA, WUACD, GUNI, SDSN, AIESEC, ASECU, IETI, AMDISA, Future Team, SDG Helpdesk, EEUA, etc. Link: [https://daffodilvarsity.edu.bd/home/all\\_member](https://daffodilvarsity.edu.bd/home/all_member)

## Clubs and Associations:

DIU runs 40 student clubs and associations (including BNCC and Air Rover Unit) for extra and co-curricular activities

## Internship, Job Placement, and Entrepreneurship:

To prepare graduates for the job market, the university regularly organizes Mockup, Training, Startup, Business Incubator, etc.

## Alumni:

DIU has a strong network of its alumni. They are placed in prominent positions at home and abroad.

Industry-Academia linkages:


DIU has vibrant linkages with industries. Some are as follows:

BFTI, CIRDAP, IEB, BIM, BSHRM, BSCIC, DCCI, BOU, FBCCI, BAPA, BCSIR, BTRC, Ibn Sina Trust, ACI, IDP, DCL, DBI, BAEC, JU, BAU, BVCL, BEREC, The Daily Star, SCITI, Duke of Edinburgh's Award, VSO, NICE, TFLL, Mind Mapper Bangladesh, AIBS, The Olives, EBL, BKash, Data Soft, Drik, RCSC, IBBL, DBBL, BBBL, NRB, DAM, BCS, Global Media, SBL, BOU, RAOWA, etc.

## Achievements/Rankings in brief:

- ▶ The Honorable Chairman BoT has been recognized by the World Book of Records in 2022
- ▶ DIU has won the WITSA ICT Excellence Award 2021
- ▶ DIU reached the milestone of publishing 1000 research articles in Scopus-a world-renowned research publishing institute in 2020
- ▶ DIU ranks third among all the universities in Bangladesh in terms of the number of research articles published in Scopus in 2020
- ▶ DIU ranked 15th out of 144 universities in the world. 2020
- ▶ DIU has been positioned first among all the private universities and fourth among all the Bangladeshi universities based on the number of Scopus-indexed publications in 2019.
- ▶ DIU hosted the 18th Asian University President's Forum (AUPF) in 2019
- ▶ The Asian-Oceanian Computing Industry Organization (ASOCIO) has recognized Daffodil International University with ASOCIO 2018 ICT Education Award.
- ▶ DIU Chairman Dr. Md. Sabur Khan received an Honorary Doctorate degree from Caucasus University, Georgia for his contribution to Education, Entrepreneurship, and Internationalization.
- ▶ DIU Chairman, Dr. Md. Sabur Khan, has been elected as the 2nd Vice-President of the Association of Universities of Asia and the Pacific (AUAP).
- ▶ About 450 international students are pursuing higher studies at DIU.
- ▶ DIU Chairman, Dr. Mr. Md. Sabur Khan, has received Honorary Fellowship on Entrepreneurship and Education in Said Business School, the University of Oxford by ABRM (Academy of Business & Retail Management).
- ▶ Dr. Md. Sabur Khan has been elected the First Vice President of AUAP, a prestigious international Association of the Universities of Asia Pacific.



- 
- ▶ Teachers' participation around the world under Ph.D. & Teachers exchange programs have been an impressive venture for DIU up until now.
  - ▶ 'Introducing 360° Education' as the students are now getting summer programs/students exchange/scholarships etc.
  - ▶ Gold Medal won by DIU students (Sun-Moon) in SAF Games and Bangladesh Olympic; DIU won fair play trophy in the Bangabandhu Inter-University Sports Champ 2019.
  - ▶ DIU Student Hemanta Sadik's film 'A Letter to God' won 'Best Drama' & 'Jury Awards' in Hollywood and Norway.
  - ▶ DIU student Mohua Afroz obtained the 7th position in the 34th BCS Admin Cadre.
  - ▶ Students' projects: Solar Car, Drone, Humanoid Robot "Dot".
  - ▶ First ever private university in Bangladesh to confer D.Litt. degree upon Dr. Achyuta Samanta, Founder of KIIT University and KISS, India.
  - ▶ DIU is especially well-known for its ICT-based academic and administrative services and ranked high by Web metrics.
  - ▶ Ranked No. 1 among all Bangladeshi universities for its green campus by 'UI Green Metric World University Ranking 2019'.
  - ▶ Daffodil Industry-Academia Public Lecture Series with the renowned entrepreneurs of the country is an ongoing program of DIU.
  - ▶ DIU is the first, among the private universities in Bangladesh, to initiate Emeritus Professorship.
  - ▶ DIU is focused on internship, research, 2+2/3+1 program, Ph.D., and e-Learning with leading International universities.
  - ▶ Daffodil Institute of Social Sciences (DISS) has been initiated for underprivileged children
  - ▶ Project "Are You the Next Startup?" has been initiated to develop 500 new entrepreneurs.
  - ▶ DIU created a world record by contributing more than 3 Lac words to Google Translation Service under Google Developers Group Bangla (GDG Bangla).
  - ▶ DIU has successfully implemented the 'One Student One Laptop' project.
  - ▶ DIU has the largest Green Campus of any private university in Bangladesh.
  - ▶ DIU has its own separate residential halls for girls and boys.
  - ▶ DIU runs Scout and BNCC in the university with student volunteers.
  - ▶ DIU has a large transport pool with regular transport service for faculty, staff, and students separately. DIU is a Leading entrepreneurial university in Bangladesh with a department, lab, and events.
  - ▶ DIU alumni are now in BCS Cadre, Army Peace Mission, and different industries.
  - ▶ Exchange programs for teachers and students of DIU have been a regular exchange activity worldwide
  - ▶ under collaboration between DIU and different universities and organizations.
  - ▶ DIU maintains the largest number of MOUs of any private university in Bangladesh with international
  - ▶ universities.
  - ▶ DIU is linked with Global Access Asia, an online education system with 60+ foreign universities around the
  - ▶ world.

# How DIU Works on Internationalization

Internationalization helps students develop the global critical thinking skills that are essential to contributing as citizens of the world and competing in the international marketplace. DIU is creating a linkage between Students and a very rapidly updating World through communication. The academic staff and students of Daffodil International University have participated in international scholarship programs, semester exchanges, summer/winter camps, international competitions, fellowship orders, etc. Hundreds of international students come to DIU to join academic programs, summer/winter camps, professional training, and internship every year. The academic and administrative staff have been assigned to focus on the following aspects;- Increased international awareness of the deeper engagement with global issues by Students.

- Collaboration and Partnership
- Faculty Policies and Practices
- Articulated Institutional commitment, administrative Structure, and staffing
- Up-to-date international curriculum,Co-curriculum and Learning outcomes (teaching and learning)
- Joint/Double degrees, open access Education
- Ensuring a colorful campus life for international students through regular extra-curricular activities
- Additional credits for DIU students to inspire up bound mobility.
- International linkages, partnerships, and projects
- Research collaboration with global partners
- Cross-border education(e.g. online education,off-shore campuses or programs, ASP, etc.)
- improved graduate employability.

## What made DIU distinguished?

1. A team for students represents Daffodil international university by attending International Volunteer Exchange Program jointly with KIIT University & Kalinga Institute of Social science-KISS in Odisha, India-2022; that represents that DIU is giving utmost opportunities to the students to learn and grow with culture and knowledge.



2. Official Guinness Book of World Records also provided certificates for two of our students, as DIU connects and influences them with adventure and exploration of their interest as well as strength.
3. A team for students represents Daffodil international university by attending International Volunteer Exchange Program jointly with KIIT University & Kalinga Institute of Social science-KISS in Odisha, India-2022; that represents that DIU is giving utmost opportunities to the students to learn and grow with culture and knowledge.
4. Official Guinness Book of World Records also provided certificates for two of our students, as DIU connects and influences them with adventure and exploration of their interest as well as strength.
5. Brought the most pressing features for the generation to learn and practice: International Social Business Summer Program (SBSP), Youth4SDG Camps, etc.
6. Introduced SDG coordinator on campus to connect with global initiatives and practices.
7. Emphasized internationalization bringing in the highest number of full-time international students among all the private and public universities in Bangladesh.
8. Concentrated on the areas of entrepreneurship, technology, and ethical development to harness the career of students.
9. Implemented Global Access Asia(GAA) on campus to connect with AUAP, global initiatives, and practices.
10. Trained incoming international students as well as outgoing local students with the “Employability 360 Degree” course for the career. Art of living course for best life ethics practices and entrepreneurship for all levels of students to cope with a future career as a job giver rather than a job holder.
11. Opening the doors for us to be creative and be the leader of our own. Two students of DIU winner awards in the Soccer bot category of BUET Robo Carnival 2019.

## Internationalization: Some Key Points

- Dr. Md. Sabur Khan, Chairman BoT, DIU is now the Vice President (1st) of the Association of Universities of Asia and the Pacific (AUAP)
- Partnership agreement with 450+ International universities of 70 countries
- Members of international organizations like AUAP, IIE, IAU, IAUP, AUAP, ACU, ACE, NAFSA, EAIE, ALA, ACD, UNAI, APAIE, EURIE, ESRUC, Magna Charta, GUNI, IEEE, ISTQB, ATIFTAF, ITU, ACD, etc.
- Current full-time international students: Undergraduate (135+) & Graduate (278+) \*Incoming (252+) & outgoing (127+) visiting students in 2022.
- Incoming (62+) & outgoing (55+) visiting staff (academic & administrative) in 2022.
- Global Alumni Network: In more than 50 countries.






## International events hosted at DIU

- 18th Asian University President's Forum (AUAP)
- Regional Final of Social Business Creation, Bangladesh chapter
- Youth 4SDG Asia Leadership Program 2019
- ACM-ICPC 2018 Asia Regional Dhaka Site
- 1st International Education & Cultural Carnival Bangladesh
- Winter Camp-2020 for the participants of SIAS University, China
- 4th International Conference on Globalization, Entrepreneurship and Emerging Economics (ICGEEE-2019) begins at DIU.
- Independence Day of Somalia observed at Daffodil International University.
- 5 day 'International Summer School of Human Rights begins at Daffodil International University.
- 21st International Convention on Students Quality Control Circles (ICSQCC).
- 15 members delegation from NYSC of Srilanka Youth Exchange Program-2017 at DIU.
- XI Asian-Pacific Astronomy Olympiad (APAO) ends at DIU.

## Awards

1. ASOCIO 2018 ICT Education Award
2. World Congress of IT (WCIT) 2017 Merit Award
3. Global Inclusion Award
4. Merit Award in WITSA 2014 Global ICT Excellence Awards
5. Prime Minister's Award for Beautification
6. Times Higher Education (THE) University Impact Rankings
7. UI Green Metric World University Rankings
8. ASOCIO ICT Education Award
9. QS World University Rankings (Asia).
10. Rookie of the Year' Award
11. President's Crest
12. Asia's Best Business School Award Amity Global Academic Excellence Award
13. Golden Star Academic & Educational Excellence Award
14. Asia's most inspiring Nation Builder Award
15. Swedish National Agency for Higher Education Rankings
16. Webometrics Rankings of World Universities
17. Best Private University in Webb popularity (<http://www.alexa.com/> & <http://www.4icu.org/bd/>)
18. Beautification award 2006 presented by Honorable Prime Minister.
19. AHR Award,UK
20. World Quality Commitment (WQC) Award-2010
21. Amity Global Academic Excellence Award

- 
22. Golden star Academic & Educational Excellence Award
  23. Asia's most inspiring Nation Builder Award
  24. Asia's Best School Award
  25. NAHE ,SWEDEN

## Contact:

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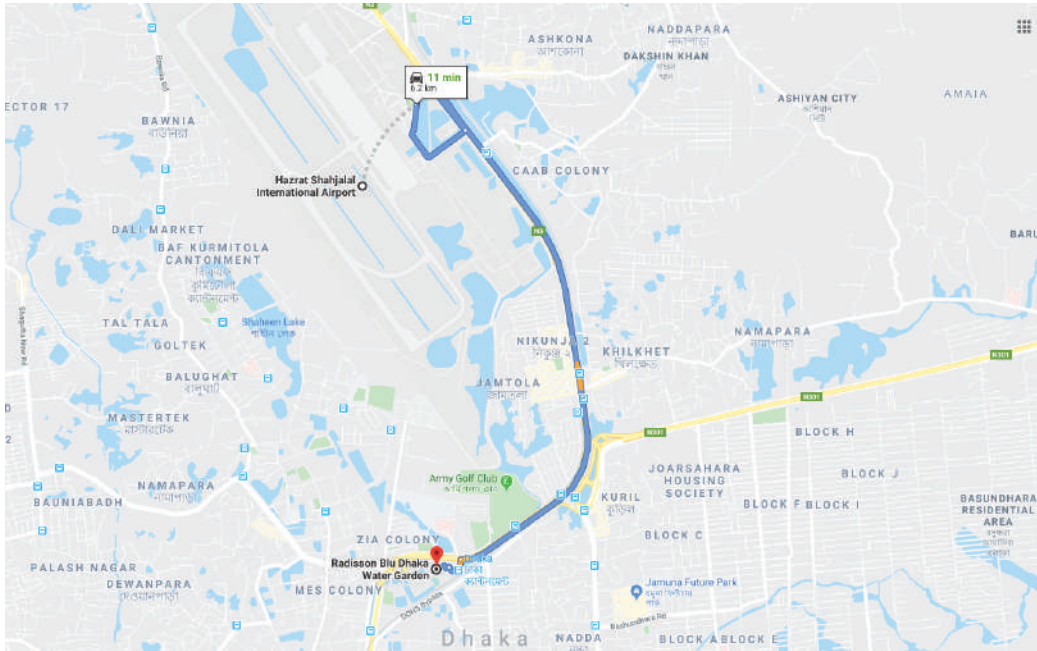
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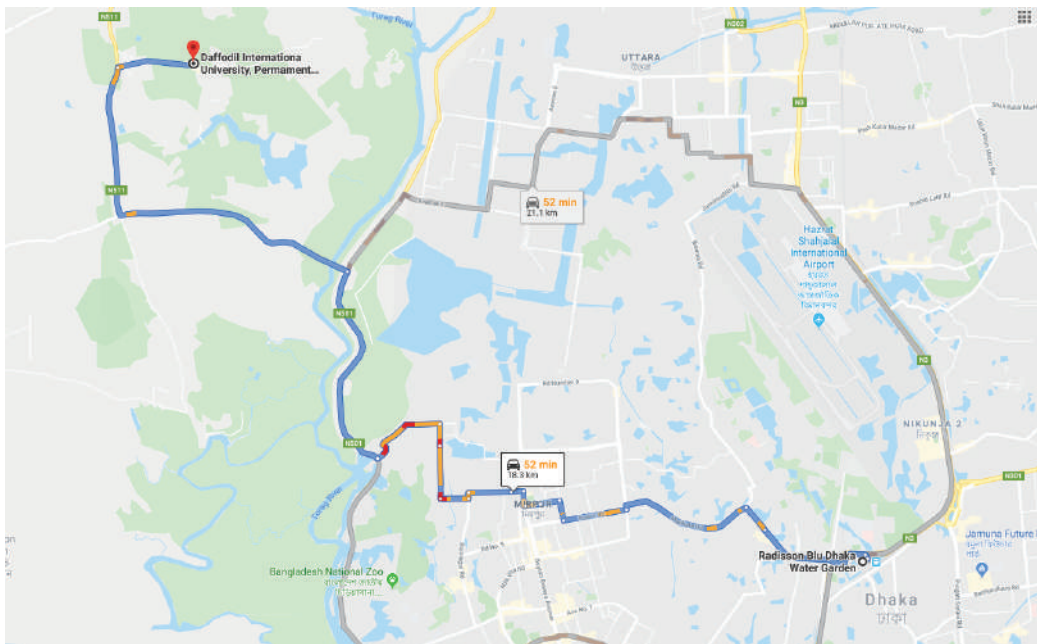




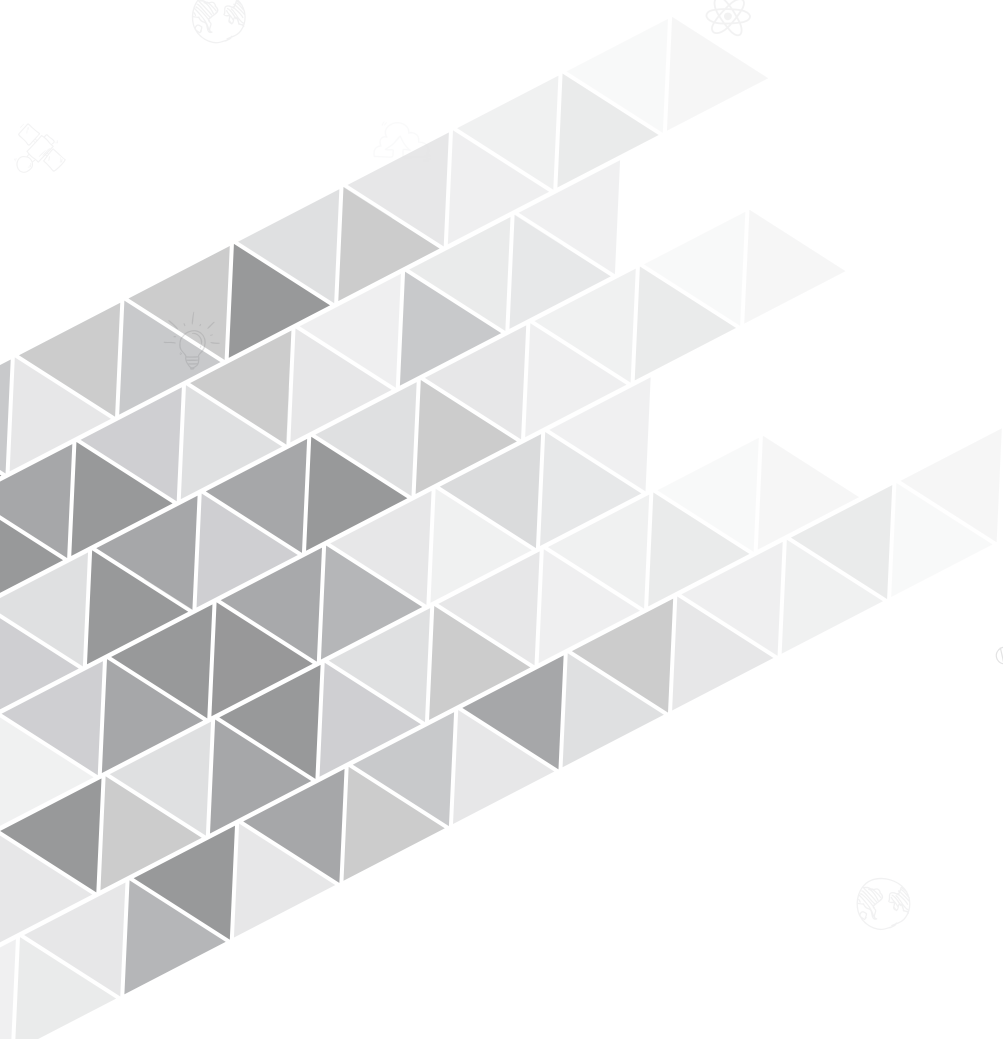
## Airport to Radisson Blu Dhaka Water Garden



## Radisson Blu Dhaka Water Garden to Daffodil International University, Daffodil Smart City



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## **Daffodil International University**

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