

**BASIS
SOFT EXPO 2023**

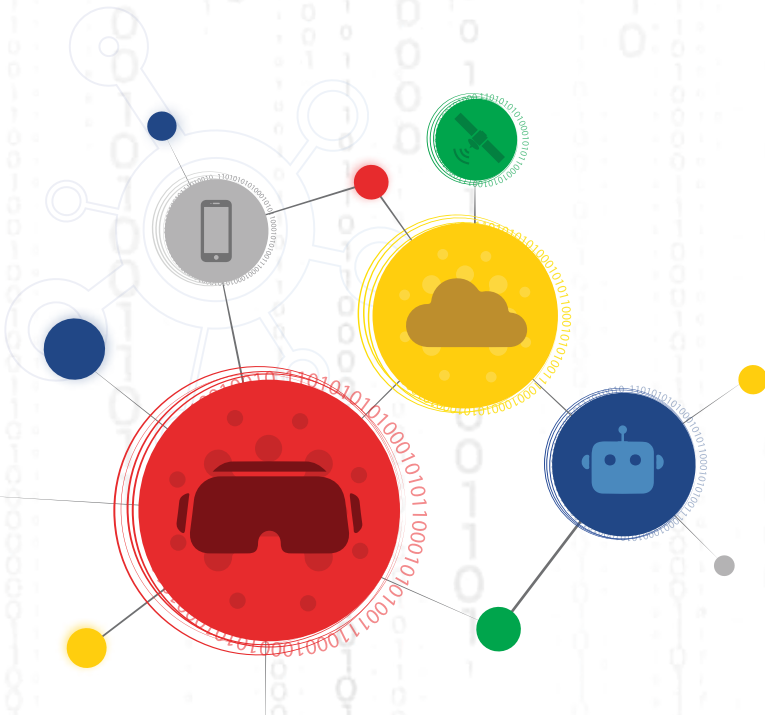


WELCOME TO THE SMARTVERSE

23-26 FEBRUARY

Bangabandhu Bangladesh-China Friendship

Exhibition Center



BANGLADESH THE NEXT ICT POWERHOUSE

- 🎯 Exporting **\$1.4** billion, target to reach **\$20** billion by 2041
- 🎯 **137** exporting destinations, will tap **160** countries by 2031
- 🎯 Local ICT economy is **\$1.6** billion, will reach **\$20** billion by 2031
- 🎯 **300,000** top-notch ICT professionals, will get doubled within a couple of years
- 🎯 Almost **100%** domestic value addition of the ICT industry
- 🎯 Thriving **Startup** Ecosystem

CONTENT

●	Messages	03
●	Meet Our Former Presidents	15
●	BASIS Executive Council 2022-2023	17
●	BASIS Secretariat	19
●	BASIS Overview	21
●	BASIS SoftExpo History	24
●	BASIS SoftExpo 2023 Exhibitors	29
●	Articles	33
●	BASIS SoftExpo 2023 Sub-Committees	54
●	BASIS SoftExpo 2023 Session Matrix	59



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MESSAGES



PRESIDENT
PEOPLE'S REPUBLIC OF BANGLADESH
BANGABHABAN, DHAKA

10 Falgun 1429
23 February 2023

MESSAGE

I welcome the initiative of Bangladesh Association of Software and Information Services (BASIS) to organize its annual software exposition 'BASIS SoftExpo 2023' on 23-26 February in Dhaka.

In line with the goal of 'Vision-41' Bangladesh under the prudent leadership of Prime Minister Sheikh Hasina is thriving to build an advance, prosperous and 'Smart Bangladesh'. Information Technology (IT) has a pivotal role in materializing the goals of Smart Bangladesh equipped with digital technologies. In this context Government has taken various initiatives including establishment of Hi-tech Parks and Software Technology Parks at Divisional and District levels. Facility IDC, a tier 3, PCI-DSS certified internet data centre (IDC) has recently been launched at the Bangabandhu Hi-Tech City in Kaliakoir of Gazipur and Sheikh Hasina Software Technology Park, Jessore are operating on in full swing. Besides, Janata tower Software Technology Park is functioning efficiently. Ensuring connectivity, e-governance and strengthening the domestic IT industry are the focus of these activities. I hope this exposition will play a vital role in sharing the Bangladesh's experience with the global ICT leaders, promoters, policy makers and thinks-tanks.

The 'BASIS SoftExpo 2023' can be an important platform for showcasing the initiatives, accomplishment and achievements and innovations of IT sectors of Bangladesh. I hope the SoftExpo will create enormous opportunities in expanding IT sectors in Bangladesh

I wish the 'BASIS SoftExpo 2023' a grand success.

Joi Bangla.

Khoda Hafez, May Bangladesh Live Forever.

Md. Abdul Hamid



PRIME MINISTER
Government of
the People's Republic of Bangladesh

10 Falgun 1429
23 February 2023

MESSAGE

I am happy to know that Bangladesh Association of Software and Information Services (BASIS) is organizing 'BASIS SoftExpo 2023' on 23-26 February in Dhaka.

The Awami League government has relentlessly been working to turn Bangladesh into a prosperous-developed country by 2041. In the last 14 years our government has transformed the country into a Digital Bangladesh by making information technology accessible to all, including the marginal people, through efficient, service-oriented and ICT-friendly services. Now we have put emphasis to transform the country from 'Digital Bangladesh' to 'Smart Bangladesh' by 2041. Now we are working for the development of advanced technologies like Artificial Intelligence, Robotics, Big Data, Block Chain, IoT and machine learning to meet the future challenges including the 4th Industrial Revolution. We are working towards creating a smart future generation by utilizing digital facilities. There is no alternative to building a Smart Bangladesh for sustainable development of the state in future.

Our government is working to successfully implement the four foundations of building 'Smart Bangladesh'. These are: Smart Citizens, Smart Economy, Smart Government, and Smart Society. In Smart Bangladesh, everything will rely on technology; citizens will be skilled in using technology and the entire economy will be managed by technology. Due to our government's various initiatives, Bangladesh has emerged as a Role Model of socio-economic development in the world.

Technology in the world today is developing at a very fast pace and people from different fields are making many additions to it. I believe that the domestic software organizations of our country can make their identity at international level through the BASIS SoftExpo, which is the annual mega exposition and the largest showcase of IT and ITeS products and services of the country's private sector.

I hope the SoftExpo will create an opportunity to get familiarized with newer products and services, and provide a platform to establish network with the local, regional and global leaders and experts of software and IT industries.

I wish the 'BASIS SoftExpo 2023' a grand success.

Joi Bangla, Joi Bangabandhu

May Bangladesh Live Forever

Sheikh Hasina



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Dr. Shirin Sharmin Chaudhury, MP
Speaker
Bangladesh Parliament

MESSAGE

I am glad to know that Bangladesh Association of Software & Information Services (BASIS) is organizing its annual mega software exposition 'BASIS SoftExpo 2023' on 23-26 February 2023 at Bangabandhu Bangladesh-China Friendship Exhibition Center in Dhaka. I appreciate BASIS for organizing this mega event.

We will have to render concerted efforts to build a 'Smart Bangladesh' planned by the Hon'ble Prime Minister Sheikh Hasina within 2041. Inspired by her visionary leadership people, both men and women across the country, are trying to become self-dependent through various ways including entrepreneurship, ICT training etc.

Bangladesh has already been digitalized. Announcement was made to materialize digital Bangladesh in 2009, and we had achieved that accordingly. Likewise, we will realize the dream of Smart Bangladesh within the stipulated time. BASIS, as the leading national trade body for Software & IT Enabled Services industry of Bangladesh, has been closely working with the government in attaining the goals of 'Vision 2041: Smart Bangladesh'.

BASIS SoftExpo 2023 is one of the biggest exhibitions in information and communication technology (ICT) sector in South Asia. It is really a praiseworthy endeavor. I wish to see "BASIS SoftExpo 2023" as a remarkable achievement bringing everyone under the light of Smart Bangladesh on the way to ensuring good governance throughout the country.

I wish 'BASIS SoftExpo 2023' a grand success.

May Bangladesh Live-forever.

Joy Bangla.

Dr. Shirin S. Chaudhury

Dr. Shirin Sharmin Chaudhury MP



Tipu Munshi, MP
Commerce Minister
Government of the People's Republic of Bangladesh

08 February 2023



MESSAGE

I am very glad to know that Bangladesh Association of Software & Information Services (BASIS) is going to organize 'BASIS SoftExpo 2023', the largest private sector exposition in the software and ITES industry, on Feb 23-26, 2023.

Covid pandemic taught us an important lesson and our dependency on ICT has increased more than ever before. Taking advantage of the latest technologies we have already achieved our goal of "Digital Bangladesh". Various channels for industrial digitalization are being created. Now it is the time to take a vow to build a smart Bangladesh and move forward under the dynamic leadership of our Hon'ble Prime Minister Sheikh Hasina.

For the current fiscal year (2022-23), the government set an export target of \$67 billion, which is 11.36 percent higher than actual achievement in the previous fiscal year and we have a target of merchandise export at \$100 billion by 2026.

We believe the ICT industry can play an important role in the export, and it is hoped that the sector would generate \$5 billion in exports by 2025.

I hope that BASIS SoftExpo will be an appropriate forum for promoting our ICT advances to both local users and visiting foreign delegates, as well as for maintaining the expansion of e-commerce.

I wish BASIS SoftExpo 2023 a grand success.

Joy Bangla, Joy Bangabandhu.

(Tipu Munshi, MP)



Dr. A.K. Abdul Momen, MP

Foreign Minister
Government of the People's Republic of Bangladesh



MESSAGE

Bangladesh Association of Software and Information Services (BASIS) is the apex association for the champions of our ICT Sector. BASIS works as the platform for preserving, protecting and projecting the entrepreneurial tech minds of our country. Its initiatives and programs have brought great opportunities for our young minds to showcase their innovations and talents to the world. A mega event of the magnitude of the BASIS SoftExpo 2023, the largest private sector exposition of the tech industry in Bangladesh, is both a matter of joy and pride. Father of the Nation Bangabandhu Sheikh Mujibur Rahman envisioned a sovereign, secular and prosperous Bangladesh. His dream was to create the long-lost 'Sonar Bangla' with a highly inclusive and democratic nature. His able daughter Hon'ble Prime Minister Sheikh Hasina has followed into his footsteps and made our country into the 'Digital Bangladesh' elevating 160 million people from being an LDC to a middle-income developing country within a span of 12 years only. Bangladesh is now a vibrant and resilient economy and it is a 'land of opportunities'. Hon'ble Prime Minister and Hon'ble ICT Advisor to the Prime Minister Sajeeb Wazed are the architects of the digital revolution that we have witnessed in the last decade and more. Now, we have set our vision to elevate into a concept of 'Smart Bangladesh', where we will get smart citizens, smart economy, smart society, and smart governance. Smart Bangladesh will be a country for incubating knowledge, technology and an equitable society free from the clutches of poverty and seclusion. To realise this grand vision, we need all the help that we can get from our youthful tech minds. More than 47% people of our country are below 25 years old. This huge school of young brains has all the potential to develop this country into a tech giant. What is needed is leadership and architecture at different levels to give a shape to the fluid minds.

It is important to recognize the vital role that technology and software solutions can play in shaping the future of our world. Technology has become an integral part of our daily lives and have the power to transform our economy, improve our health and well-being, and connect us with people and cultures from all over the world. At a time when technology is rapidly advancing and the world is becoming increasingly interconnected, it is essential that we work together to ensure that these advancements are used for the betterment of humanity. The BASIS SoftExpo provides a unique platform for experts from around the world to come together to exchange ideas, share best practices, and explore new and innovative solutions to the challenges facing our society. This year's expo is focused on exploring the latest developments in software engineering, artificial intelligence, cyber security, and data science. The lineup of keynote speakers, panel discussions, and technical sessions will provide the participants with a comprehensive overview of the current state of technology and its future direction. I hope that everybody will take advantage of this unique opportunity to expand their network and make lasting connections. Whether a software developer, data analyst, or technology enthusiast, this expo provides a platform for the participants to exchange ideas, collaborate on projects, and build relationships with like-minded individuals.

The BASIS event has become a hallmark of our journey of excellence in the field of technology and software solutions, and I am honored to be part of it. We have already crossed the billions of dollars' export mark in software, hardware and ITES services. Now, we ought to convert this into a design advantage. Bangladesh government has already taken a target to increase our IT and ITES export to 5 billion US\$ mark. My Ministry is working with other relevant stakeholders and Bangladesh Missions abroad to intensify export of the tech products and services. Also, as Foreign Minister, I am particularly interested in the role that technology can play in promoting peace and stability around the world. Advances in communication technologies, for example, have the potential to bring people together and foster greater understanding and cooperation across cultural and national boundaries. It is

up to all of us to ensure that technology is used in a responsible and ethical manner, and to work towards a world in which it is a force for good. My Ministry has taken a state-of-the-art approach to become the first AI powered Ministry of Bangladesh. We have already completed several innovation projects to smooth our service delivery system so that our citizens can get their necessary services through online medium. We are also setting an innovation lab in our Ministry to build the bridge among the government agencies, tech industries and tech related institutions by working with Large Language Models and deploying technologies like Blockchain for solving wicked problems in food, fuel and finance.

A great part of the future of technology is in your hands, and it is up to all of us to ensure that it is a bright and positive one. In this spirit, I would like to encourage all the attendees to take advantage of this opportunity to engage in meaningful dialogue and to build bridges of understanding and cooperation between our countries and cultures. I believe that event like the BASIS SoftExpo is essential for promoting international cooperation and for ensuring that technology and software solutions are used in a way that benefits all of humanity. I wish a productive and festive BASIS SoftExpo 2023 and I look forward to the many exciting innovations and solutions that will emerge from this gathering.

I wish the event a grand success.

Joi Bangla.

Joi Bangabandhu.

May Bangladesh live forever.



Dr. A.K. Abdul Momen, MP



Saifuzzaman Chowdhury, MP

Minister, Ministry of Land
Government of the People's Republic of Bangladesh



MESSAGE

I am delighted that the Bangladesh Association of Software & Information Services (BASIS) is going to host its annual software exposition 'BASIS SoftExpo 2023' from February 23rd to 26th, 2023 at the Bangabandhu Bangladesh-China Friendship Exhibition Center in Dhaka.

I hope BASIS SOFTEXPO 2023 will foster national and international collaborations by showcasing the impressive growth and potentials of Bangladesh's Information and Communication Technology (ICT) industry. The 'Digital Bangladesh' initiative led by Prime Minister Sheikh Hasina to establish Bangabandhu's dream Sonar Bangla is attributed to this growth. The digitalization of land services is also a crucial part of this initiative.

We already have successfully digitalized some key land services such as the land mutation and land development tax payment system, which have made it easier for land service recipients to access services and have improved the participation of women and individuals with disabilities in land management. Furthermore, digital technology is also being utilized for land surveys and dispute resolution. These efforts are playing a significant role in fulfilling Bangladesh's commitments to sustainable development and realizing the Prime Minister's Vision 2041.

I am thrilled to inform Bangladeshi ICT community that the Ministry of Land has put its trust in the home-born talents. Bangladeshi engineers and developers are continuing to contribute to this complex and gargantuan project of the digitalization of the entire land governance as partners of public service officials.

I extend my warmest wishes for a successful BASIS SoftExpo 2023 and my congratulations to all those involved in the organization of this software exposition.

Joy Bangla, Joy Bangabandhu.

May Bangladesh live forever.

Saifuzzaman Chowdhury, MP



Nasrul Hamid, MP

State Minister
Ministry of Power, Energy & Mineral Resources
Government of the People's Republic of Bangladesh

08 February 2023



MESSAGE

I am happy to know that Basis SoftExpo 2023, an annual major software exposition, will be held from February 23-26, 2023 at Bangabandhu Bangladesh-China Friendship Exhibition Center (BBCFEC) in the capital. I welcome this initiative and express my sincere thanks to the organizer.

Under the visionary leadership of Honorable Prime Minister Sheikh Hasina, we have ensured 100% electrification all around Bangladesh. It has added a new momentum to our economy as Bangladesh is now known for its manufacturing prowess in the world. Industrialization requires uninterrupted supply of power and gas. We have been blending imported LNG with our natural gas and supplying that to industries at an affordable cost. To keep the wheel of economy running, industries are the priority.

To achieve the goal of "Smart Bangladesh" as envisioned by the Honorable Prime Minister by 2041, everyone must work collectively. The technical landscape of Bangladesh has already been digitalized. In order to ensure excellent governance throughout the nation, I hope, "BASIS SoftExpo 2023" as a spectacular accomplishment that unites everyone under the banner of Smart Bangladesh.

I wish every success of "BASIS SoftExpo 2023".

Joy Bangla, Joy Bangabandhu

May Bangladesh Live Forever

Nasrul Hamid, MP



Zunaid Ahmed Palak, MP

State Minister
Information & Commutation Technology Division
Ministry of Posts, Telecommunications & IT
Government of the People's Republic of Bangladesh



MESSAGE

It is a matter of immense pleasure that “BASIS Soft Expo 2023” is taking place for the 17th time at Dhaka to be organized by Bangladesh Association of Software and Information Services (BASIS).

The visionary leader of Digital Bangladesh Honorable Prime Minister Sheikh Hasina has made a dream of transforming Bangladesh into a Digital country. Honorable ICT Advisor to the Prime Minister Mr. Sajeeb Wazed, through his direction, the dream has come true which has paved the way for the people to get their necessary services digitally. We have already achieved Digital Bangladesh Vision 2021. Now our goal is to become a cost-effective, Sustainable, Intelligent, Knowledge-based, Innovative Smart Bangladesh by 2041, BASIS was one of the key contributors in that journey with ICT Division and working relentlessly to realize Honorable Prime Minister's vision of Smart Bangladesh.

The Digital Bangladesh Vision is a bottom-up development ideology that focuses on improving the impoverished population's livelihood while investing in technology to boost the country's production. We designed all of our digital services with three goals in mind: digital natives, early adopters, and the digitally disconnected. We have established an efficient digital infrastructure in the last 12 years by the proper guidance of Honorable ICT Advisor to the Prime Minister Mr. Sajeeb Wazed, which has helped Bangladesh overcome the challenges of an LDC and emerge as a lower Middle-Income country in 2018. Bangladesh also aspires to become a developing country in 2026, high middle income country in 2031 and a developed country by 2041.

Our Hon'ble Prime Minister Sheikh Hasina has always advised us that government should create a business-friendly environment and the private sector should do business. This is one of the strategies of our current government of Bangladesh that we follow. For a growing economy like Bangladesh, being sustainable in every economic sector is very challenging yet a must. Rapid development is taking place in every economic sector, blessed by the opportunities created under her dynamic leadership.

We have invested in various sectors including in Metro Rail, Matarbari Deep Sea Port, Power and continue to do so successfully. Our local software companies are all around us with various technical support for these mega projects which shows our capability in ICT.

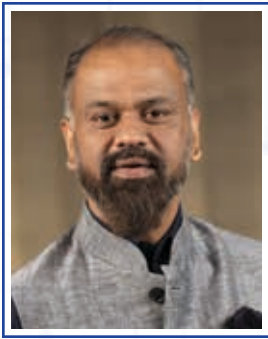
According to the Smart Bangladesh Master Plan, the government of Honorable Prime Minister Sheikh Hasina is going to undertake more than 40 necessary projects in the light of its four pillars- Smart Citizen, Smart Government, Smart Economy and Smart Society. I am hopeful that our local IT companies will be able to cooperate in the implementation of these projects. People's leader Sheikh Hasina's government is aiming to create five unicorn startups by 2025.

I am impressed and happy that BASIS, the leading trade body in ICT sector, is arranging the Softexpo 2023. I believe BASIS Softexpo would be the platform that will bring us a step closure towards Smart Bangladesh.

Be Innovative & Smart

Joy Bangla, Joy Bangabandhu

Zunaid Ahmed Palak, MP



Russell T. Ahmed

President

Bangladesh Association of Software and Information Services



PRESIDENT'S MESSAGE

BASIS has constantly supported and pushed for improvements in the tech scene of Bangladesh and helped local developers and engineers break through various barriers. BASIS' efforts have been integral in helping Bangladesh come into the 21st century as a country that is capable of meeting the technological challenges that form the foundations of the modern world. BASIS Soft Expo is about to hit its 20th year and on this occasion, it is worth remembering the various iterations of this event over the years and how they have helped to develop the legacy of BASIS and ensure that its performance continues long into the future.

Bangladesh Association of Software and Information Services (BASIS) is organizing the exhibition, with the theme "WELCOME TO THE SMARTVERSE". Around 200 exhibitors from home and abroad, are showcasing the capability of local software companies in international arena.

Considered as the largest private-sector exposition of the IT sector in South Asia, the 17th edition of the exposition was aimed at creating more collaborative relationship at national and international levels.

The event this year is a congregation of ICT companies, personalities, professionals, key policymakers, industry leaders and other ICT stakeholders. The current exports of ICT, BOP, hardware etc. is worth US\$ 1.4 billion and expected to make it \$5.0 billion within 2025 through creating more skilled workforce and employment. At the ongoing BASIS SoftExpo, B2B matchmaking sessions are being held between local and foreign companies, allowing local ICT companies to expand their businesses.

Finally, In support of BASIS Executive Council and member Companies, I would like to thank all public and private organizations, officials, sponsors, visitors, experts, speakers & partners and all others, whose generous support with direct and indirect contributions and guidance have helped us to successfully organize the BASIS SoftExpo 2023.

Russell T. Ahmed



Abu Daud Khan

Convener

BASIS SOFTEXPO 2023

& Vice President (Admin), BASIS



MESSAGE

BASIS SoftExpo 2023, the largest technology show in South Asia, is going to be held at Bangabandhu Bangladesh-China Friendship Exhibition Center (BBCFEC) in Dhaka from February 23 to 26, 2023. Largest private-sector exposition, the SoftExpo aims at showcasing IT and ITES products and services in Bangladesh. BASIS is going to organize 17th BASIS SoftExpo to showcase the capacities and innovation of Bangladesh in information technology sector to the world.

The distinctive feature of this year's BASIS SoftExpo is to strengthen and extend business possibilities to all over the world. There will be some special programs such as Ambassadors' Night, B2B Matchmaking, Ministerial Conference, Developers' Conference, Outsourcing Conference, Startup Conference, ICT Career Camp/Youth Program, Women in IT, Japan Day, etc. at the exposition. More than 800 corporate executives are expected to attend the Business Leaders' Meet program.

More than 20 seminars and roundtable discussions will be held at the exhibition. Besides, there will be other programs and facilities for the visitors including knowledge-sharing sessions, cultural programs such as theater, gaming corner, music fest, business lounge, food court, and transport facilities. In this exhibition, the youths who are job seekers will have the facility to submit their applications for securing jobs in the selected companies.

On behalf of BASIS, we would like to extend our acknowledgment to the sponsors and event partners for believing in the strength of our local industry and supporting us in organizing this mega event. The BASIS secretariat deserves an appreciation for their devoted efforts. My fellow Executive Committee members, led by our President, have been the guiding force behind the show.

Abu Daud Khan

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***MEET OUR
FORMER
PRESIDENTS***



S. M. Kamal
(1999 - 2001)



A. Towhid
(1997-1999)



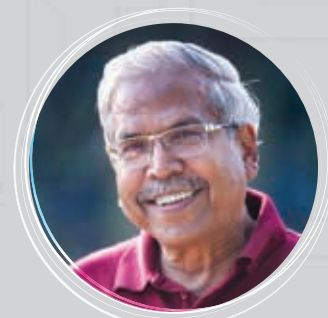
Habibullah Neyamul Karim
(2002 - 2003 & 2008 - 2009)



Rafiqul Islam Rowly
(2007 - 2008)



Sarwar Alam
(2004 - 2005 & 2006 - 2007)



Mahboob Zaman
(2010 - 2012)



Shameem Ahsan
(2013 - 2014 & 2014 - 2016)



AKM Fahim Mashroor
(2012 - 2013)



Mustafa Jabbar
(2016 - 2018)



Syed Almas Kabir
(2018 - 2021)

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***BASIS
EXECUTIVE
COUNCIL
2022-2023***



Russell T. Ahmed
President



Samira Zuberi Himika
Senior Vice President



Abu Daud Khan
Vice President (Admin)



Fahim Ahmed
Vice President (Finance)



Habibullah Neyamul Karim
Director



AKM Ahmedul Islam BABU
Director



Mushfiqur Rahman
Director



Syed Mohammad Kamal
Director



Tanvir Hossain Khan
Director



Md. Mostafizur Rahaman Sohel
Director



Rashad Kabir
Director

BASIS SECRETARIAT





Hashim Ahmed
Secretary



Enamul Hafiz Latifee
Joint Secretary
(Research Fellow)



Chowdhury Fatima Rokon Tuli
Head of Service



Muhammad Monirul Hoque
Manager
Procurement & Logistics



Razonno Mugdha
Manager
Membership & Member Services



Mohammad Jahidul Islam Khan
Manager, Accounts
(BASIS & BITM)



Md. Motassir Khandaker
Deputy Manager (Documentation)
Cash Incentives



H. M. Imam Hasan
Deputy Manager
Public Relations



Fatematuze Johora Asha
Assistant Manager
HR & Administration



Mohammad Ripon Hossain Awlad
Assistant Manager
Creative & Design



Masudur Rahman
Senior System Engineer



Md. Mehdi Islam Tanver
Assistant Manager, STP-1



Farah Jabin Ahmed
Assistant Manager
Stakeholder Relations



Md. Toufiq Elahi Plabon
Assistant Manager
Events & Communication



Kazi Shahidul Haque
Assistant Manager, Accounts



Md. Mominul Islam
Research Associate



Mehrin Afroz Tisha
Front Desk Executive



Laila Binte Rahman
Executive, Content



Majharul Islam
Executive, Cash Incentive



Md. Abdullah-Al-Kaiser Khan
Executive, Member Services



Sudepto Mohanta
Executive, Membership



Bijoy Ahmed Noyan
Executive, IT



Tanjin Prity
Executive, Trade Facilitation



Ajanta Elora Joti
Executive, Contact Center



Sabina Yesmin
Executive, Contact Center



BASIS OVERVIEW

BASIS OVERVIEW

Bangladesh Association of Software and Information Services (BASIS) is the national trade body for Software & IT Enabled Service industry of Bangladesh. Established in 1997, the association has been working with a vision of developing vibrant software & IT service industry in the country.

BASIS started its journey with only 18 charter members. Today the membership stands 2146 Members of BASIS account for the lion share of the total software & IT services revenue of the country.

BASIS tries to pursue the following broad goals through its regular programs and activities:

- Domestic market development by creating awareness
- International market development through networking and business linkage
- Capacity building of the member companies
- Member service development and delivery in different operational and business support areas
- Advocacy for business friendly and enabling government policies for the development of software and IT enabled service industry
- Social contribution, as responsible citizen group, towards the long term national vision

BASIS has already gained modest success in attaining the above mentioned goals. For domestic market creation, BASIS has wide range of programs and activities. Every year BASIS organizes BASIS SoftExpo, the biggest software and ITES exposition in the country. During the recent years, SoftExpo has become the yearly mega market place where software & IT service companies in the country project their products and services to potential IT users, both at corporate/organizational and individual level. For development of market in government sector BASIS has been working closely with different concerned Ministries and agencies of government. With regard to export market development, BASIS regularly takes initiatives for creating exposure for member companies to international markets with the help of different government and development agencies working in the export development area.

BASIS has led numerous industry development initiatives such as workshops, industry seminars and conferences, and industry research studies.

BASIS is working on seven pillars for its development as one of the leading financial organizations in the software and IT services sector. These are (1) Building future-proof human resources, (2) Developing local industries, (3) Expanding exports and foreign markets, (4) Increasing capital and financial incentives, (5) Creating an exuberant eco-system for startups, (6) assisting in the growth of intangible assets and (7) promotion of information technology sector.

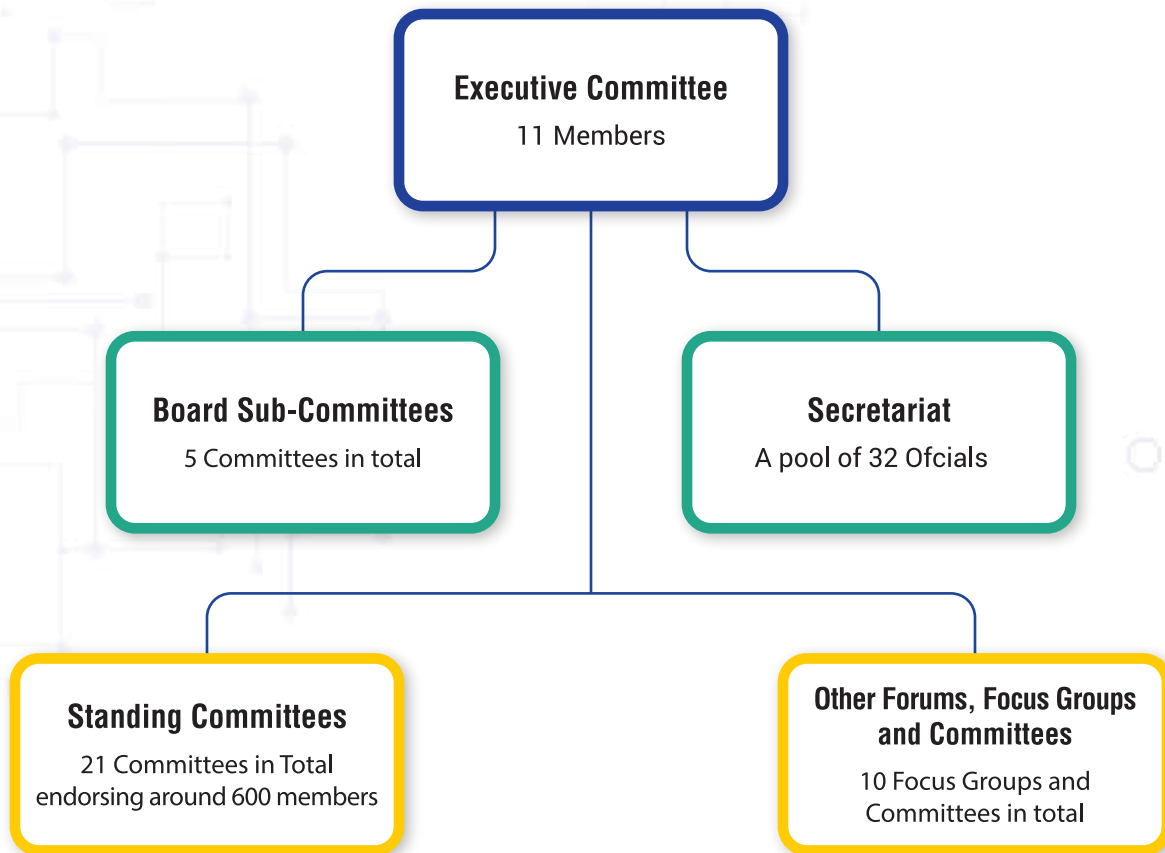
■ Established in 1997 with 17 members

■ 2147 members (as of December 2022)



ORGANIZATION STRUCTURE AND GOVERNANCE

BASIS is run by an eleven member Board of Directors (elected by direct voting of the members). The Board of Directors has the overall responsibility for running the affairs of BASIS and setting policy guidelines for its secretariat. Aside from the elected board of directors, there are 21 Standing Committees comprising members who are experts in relevant areas.



BASIS has a strong secretariat. The secretariat is well staffed to deliver different member services and to carry out programs & activities in different areas as specified within the broad goals of the association. Currently, the employee size of BASIS Secretariat is 32.

BASIS SOFTEXPO HISTORY

BASIS SOFTEXPO 2003-2020

Science and technology have made our lives simpler. Works can be done easier through high-tech software and applications. It revolutionized our daily life and one cannot be thought without thinking of the other. With this view in mind, Bangladesh Association of Software and Information Services (BASIS), has come forward to enlighten the public about the infinite horizons of technology. BASIS is the national trade association that came into existence in 1997, represents software and IT enabled services industry in Bangladesh. For more than two decades, BASIS has been organizing country's largest private sector showcase "BASIS SoftExpo" for Software, IT Enabled Services (ITES) and ICT system solutions. The core vision of BASIS SoftExpo is to showcase the eminence and competencies of Bangladeshi Software products and IT Enabled Services, bring potential customer and IT/ITES companies together in a single platform, promote free flow of ideas and share experience with the global audience and help implement Smart Bangladesh vision through branding Bangladesh as a worthy destination for IT investment. A glimpse of the glorious past years of BASIS Softexpo is given below-

2003	BASIS SoftExpo 2003 was held at Bangladesh China Friendship Conference Center with 120 exhibitors participating and 50,000+ visitors in the exposition. Programs include Opening Ceremony, IT job fairs and Closing Ceremony.
2004	BASIS SoftExpo 2004 was held on November 25-29, 2004 at Bangladesh China Friendship Conference Center with 120+ exhibitors including a moderate number of foreign companies and 50,000+ visitors. The Convener of BASIS Softexpo 2004 was Mr. Forkan Bin Quasem, the then Secretary General of BASIS. The theme of BASIS Softexpo 2004 was Towards an IT driven Bangladesh. Programs include Opening Ceremony, IT job fairs, IT entrepreneurship development program, 20 Seminars, Best IT use award and Closing Ceremony.
2005	BASIS SoftExpo 2005 was held on November 27-December 1, 2005 at Bangladesh China Friendship Conference Center with 125+ exhibitors, 11 pavilions and 90 stalls and 1,00,000+ visitors including delegates from Europe. The Convener of BASIS Softexpo 2005 was Mr. Syed Faruque Ahmed, the then Director of BASIS. The theme was – More IT more growth. The zones include: Software Showcasing, e-Commerce Zone, Multimedia and Animation Zone, IT communication, infrastructure education and others zone and the Programs include: Opening Ceremony, IT job fair, IT entrepreneurship Development program, 130 B2B matchmaking meetings with 35 companies, 8 Seminars & workshops, Best IT use award and Closing ceremony.
2006	BASIS SoftExpo 2006 was held on November 21-25, 2006 at Bangladesh China Friendship Conference Center with 200+ exhibitors; including 10 foreign countries and 1,00,000+ visitors. The Convener of BASIS Softexpo 2006 was Mr. Syed Faruque Ahmed, Director, BASIS. The theme was Turning Our People Into Resources. Zones include Software Showcasing Zone, e-Commerce Zone, Multimedia and Animation Zone, Other ITS, communication. Infrastructure education and others zone. Programs include: Opening Ceremony, IT job fairs, IT innovation search program, 20 Seminars & workshops, BASIS-DBBL Best IT use award, CEO's dinner program and Closing Ceremony.

2007

BASIS SoftExpo 2007 was held on March 28-April 1, 2007 at Bangladesh China Friendship Conference Center with 130+ exhibitors and 1,00,000+ visitors. It was inaugurated by Mr. Tapan Chowdhury, Hon'ble Adviser, Ministry of Science & Technology, Govt. of the People's Republic of Bangladesh.

The Convener of BASIS Softexpo 2007 was Mr. A.K.M. Fahim Mashroor, Treasurer, BASIS. The theme was Turning Our People Into Resources. The expo was divided into the following zones: Business Software & Application Zone, Multimedia and Animation Zone, Internet and Data Communication Service Zone, High End Data Communication Service Zone, Outsourcing Zone, IT Education Zone, SME Software Zone and ICT for Development Zone.

Programs include Opening Ceremony, IT job fair, ICT Innovation Search program, 8 Seminars and roundtable discussions, Best IT use award and Closing Ceremony.

2008

BASIS SoftExpo 2008 was held on February 14-18, 2008 at Bangladesh China Friendship Conference Center with 130+ exhibitors and 1,00,000+ visitors. The expo was inaugurated for the first time by the Head of the Government Dr. Fakhruddin Ahmed, Hon'ble Chief Adviser to the Govt. of the Peoples Republic of Bangladesh.

Mr. T.I.M. Nurul Kabir, Director, BASIS was the Convener of BASIS Softexpo 2008. The theme was Get Gain Grow. Zones include: Business Software & Application Zone, Multimedia and Animation Zone, High End & ICT Solution Zone, Outsourcing Zone, IT Education & Training Zone and the Programs include: Opening Ceremony, IT job fair, 16 Seminars and Roundtable Discussions sessions and Closing Ceremony.

2009

BASIS SoftExpo 2009 was held on January 27-31, 2009 at Bangladesh China Friendship Conference Center with 1,00,000+ visitors and 130+ exhibitors. The expo was inaugurated by Abul Maal Abdul Muhith, Hon'ble Finance Minister, Govt. of the Peoples' Republic of Bangladesh.

Mr. M A Mubin Khan, Director, BASIS was the Convener of the BASIS Softexpo 2009. The them was Linking People with Technology. The zones were- Business Software & Application, Multimedia and Animation, Internet and Data Communication Service, High End Data Communication Service, Outsourcing, IT Education, SME Software, ICT for Development, IT Education & Training Zone. The Programs include: Opening Ceremony, IT job fair, IT entrepreneurship Development program, 10 Seminars, Award and CEO's night & Closing Ceremony.

2010

BASIS SoftExpo 2010 was co-organized by the Ministry of Science and ICT and held on February 10-14, 2010 at Bangladesh China Friendship Conference Center with 1,00,000+ visitors and 135+ exhibitors. The expo was inaugurated by Mr. Yeafesh Osman, MP, Hon'ble State Minister, Ministry Science and Technology.

Mr. MA Mubin Khan, Director, BASIS was the Convener of BASIS Softexpo 2010 and the theme was Digital Bangladesh in Action. The exhibition area was divided into the following zones: Business Software & Application, Multimedia and Animation, Internet and Data Communication Service, High End Data Communication Service, Outsourcing, ICT for Development, IT Education & and training and SME Software Zone. The Programs include: Opening Ceremony, IT job fair, 13 Seminars, 1 Roundtable Discussions, 7 Technical Sessions, Award and CEO's Night and Closing Ceremony.

2011

BASIS SoftExpo 2011 was held on February 1-5, 2011 at Bangabandhu International Conference Center (BICC) with 135+ exhibitors and 1,00,000+ visitors. The expo was formally inaugurated by Mr. Abul Maal Abdul Muhith, Hon'ble Minister, Ministry of Finance, Govt. of the ormer Minister of Finance. The Convener of BASIS Softexpo was Mr. AKM Fahim Mashroor, Senior Vice President, BASIS. The theme was Digital Bangladesh in Action. The zones were: Business Software & Application, Multimedia and Animation, Internet and Data Communication Service, High End Data Communication Service, Outsourcing, ICT for Development, IT Education & Training and SME Software Zone. The Programs include: Opening Ceremony, IT job fair, IT-Innovation Search program, 22 Seminars & Roundtable Discussion, BASIS Award Night, Code Warriors Challenge and International Business Matchmaking, Closing Ceremony.

2012

BASIS SoftExpo 2012 was co-organized by the ICT Ministry and A2i. It was held on February 1-5, 2012 at Bangabandhu International Conference Center (BICC) with 140+ exhibitors and 11 pavilions, 22 mini pavilions and 82 stalls, 20,000+ corporate visitors and 1,00,000 visitors. Mr. Abul Maal Abdul Muhith, Hon'ble Finance Minister inaugurated the expo as the chief guest. The Convener of BASIS Softexpo 2012 was Mr. Tamzid Siddiq Sponson, Joint Secretary General, BASIS.

The theme was Empowering Next Generation. The zones were: Business Software & Application, Multimedia and Animation, Internet and Data Communication Service, High End Data Communication Service, Outsourcing, ICT for Development, IT Education & Training and Others, SME Software Zone Communication and Cloud and e-Commerce Zone.

The Programs include: Opening Ceremony, IT job fairs IT-Innovation Search program, Idea & Innovation Platform, 22 Seminars & Roundtable discussion, BASIS Award Night, Code Warriors Challenge, International Business Matchmaking meetings, 80+ Seminars and Sessions and Closing Ceremony.

2017

BASIS SoftExpo 2017 was held from February 1-4, 2017 at Bangabandhu International Conference Center (BICC), Dhaka. This mega expo was the biggest compared to all past events with 180+ exhibitors and 11 pavilions, 25 mini pavilions and 84 stalls 20,000+ corporate visitors and 1,00,000 non corporate visitors. More than 30 conferences, seminars, and tech-sessions were organized under the framework of SOFTEXPO 2017.

The expo was inaugurated by Dr. Shirin Sharmin Chaudhury, MP, the Hon'ble Speaker to the Bangladesh Parliament. The Convener of BASIS Softexpo 2017 was Syed Almas Kabir, Director, BASIS and the theme was Future in Motion. The Exhibition was divided into three zones: Business Software Zone -ITES & BPO Zone, Mobile Innovation Zone and E-Commerce Zone.

The Programs include: Inauguration Ceremony, Inauguration of BASIS Smart Card, Leadership Meet, International B2B, Idea Workshop for Game Development, Seminars, Developers Conference, Entrepreneurship and Career in IT, Tech women Conference, Kids Coding Orientation, Information Security Conference and Closing Ceremony.

2018

BASIS SOFTEXPO 2018 was held from February 22-25, 2018 at Bangabandhu International Conference Center (BICC), Dhaka. This mega expo was the biggest compared to all past events with 180+ exhibitors and 11 pavilions, 25 mini pavilions and 84 stalls, 20,000+ corporate visitors and 1,00,000 non-corporate visitors. More than 30 conferences, seminars, and tech-sessions were organized under the framework of SOFTEXPO 2018.

Mr. AMA Muhith, MP, the Hon'ble Finance Minister inaugurated the expo as the chief guest. Mr. Mostafizur Rahman Sohel, Director, BASIS was the Convener. The theme was Designing the Future. The Zones include: Business Software, ITES & BPO, Mobile Innovation Zone, E-Commerce Zone and the Programs include: Inauguration Ceremony, Freelancers Conference, Leadership Meet, International B2B, Seminars & Tech Sessions, Developers Conference, Entrepreneurship and Career in IT, Challenge & Opportunity for Women in ICT, Artificial Intelligence and Machine Learning session, Information Security Conference and Closing Ceremony.

2019

BASIS SOFTEXPO 2019 was held from March 19-21, 2019 at International Convention City Bashundhara (ICCB), Dhaka. This mega expo was the biggest compared to all past events with 250+ exhibitors and 25 pavilions, 40 mini pavilions and 150 stalls, 20,000+ corporate visitors and 2,00,000+ non-corporate visitors. More than seminars, and were 30 conferences, tech-sessions organized under the framework of SOFTEXPO 2019.

Mr. Zunaid Ahmed Palak, MP, Hon'ble State Minister for Information and Communication Technology Division inaugurated the expo as the chief guest. Ms. Farhana A. Rahman, Senior Vice President, BASIS was the Convener of the expo and the theme was Technology for Prosperity. The expo was divided into the following zones: Software Showcasing, ITES & BPO, Mobile Application, E-Commerce, Industry 4.0, Women, Digital Payment & Fintech, Digital Education, VAT, Experience and the Programs include: Inauguration Ceremony, Business Leadership Meet, A Ride to Entrepreneurship, ICT Career Camp, International B2B, Developers Conference, Tech Women's are Leading the Change.

2020

A four-day 16th BASIS SoftExpo was kicked off on 6 February, 2020 at the International Convention City Bashundhara in the capital to showcase local software innovations and explore global markets. Hon'ble President of the People's Republic of Bangladesh Mr. Md. Abdul Hamid inaugurated the event, BASIS SoftExpo, where about 300 exhibitors showcased their products in presence of top ICT companies, business personalities, key policymakers, industry leaders and other stakeholders.

In the opening ceremony President Abdul Hamid said the government should create scopes for the software firms to work in different government projects. Mr. Nurul Majid Mahmud Humayun, Honorable Minister, Ministry of Industry and Mr. N M Zeaul Alam, Secretary, ICT Division also spoke on the occasion.

The expo had 10 individual zones, such as Industry 4.0 Zone and Experience Zone. The other zones included VAT zone, digital education, fintech, software, mobile innovation, digital commerce and IT-enabled services, and business process outsourcing or BPO zone. There was also business to business (B2B) matchmaking sessions between local and foreign companies, including ones from Sweden, Japan and the Netherlands. Besides, at the exposition around 30 seminars and sessions were held where innovative ideas and experiences were shared by over 100 national and international speakers. An ICT career camp was also held with over 2,000 students from more than 45 universities showcasing their innovative projects. An ICT career camp will also be held, where more than 2,000 students from upwards of 45 universities will showcase their innovative projects.

The Convener of BASIS Softexpo 2020 was Mr. Mushfiqur Rahman, Vice President (Finance) and the theme was Transforming Life through Innovation.

The background is a solid red color. It features a faint, repeating pattern of binary code (0s and 1s) in a lighter red shade. In the lower half of the image, there is a network diagram consisting of numerous small black dots connected by thin, light red lines, forming a complex web of connections.

BASIS SOFTEXPO 2023 EXHIBITORS

BASIS SOFTEXPO is the largest private sector exposition aimed at showcasing IT and ITES products and services in Bangladesh. The Largest Regional Technology Congress 17th BASIS SOFTEXPO is going to be held from February 23 to 26, 2023. It will focus on creating more collaborative relationships at national and international level, inviting trade delegations from various countries to experience the immense potentials of Bangladeshi ICT industry. As the country has taken a great leap in Digital Wave, this time SOFTEXPO will be bigger and better than ever before. We do believe that the Four-day event this year will be a congregation of ICT companies, personalities, professionals, key policy makers, industry leaders and other ICT stakeholders.

It is expected that BASIS SOFTEXPO 2023 will be bigger and better than before. Especially the more than 200 exhibitors under the same umbrella will add a significant meaning to the entire initiative. In this context, BASIS SOFTEXPO 2023 would be a unique opportunity for Software and ITES companies to showcase their products and services before the enormous number of local and international visitors and to meet prospective buyers.

List of Exhibitors: Hall 1

ABM TECHNOLOGY	DataSoft Systems (BD) Limited
Access Telecom (BD) Ltd.	DBL Digital Ltd
Adorsho praniSheba Limite	Department of Information and Communication Technology(DoICT)
Advancing Business Professionals (ABP) Ltd.	Dial 2 Support
Alor Feri Limited	Dizi Nova Limited
Alphasoft Technology Ltd.	DreamOnline Limited
Apsis Solutions Limited	Dynamic Solution Innovators Limited
Aqualink Bangladesh Limited	E-Medical Solution Ltd.
Asiatic Marketing Communications Ltd	E-Tracker Solution
Aspire to Innovat(a2i)	EasySheba Platform
Assam Electronics Development Corporation Ltd. (AMTRON)	Ejogajog Limited
Atova Technology	ENTER BANGLADESH LTD.
B-Trac Solutions Ltd.	eShikhon
Beetles Cyber Security Ltd.	Esquire Technology Ltd.
Berger Tech Consulting Limited	EWN Bangladesh Limited
Best Business Bond Ltd.	Eximus Technologies
Bikroy.com Limited	Fara IT Fusion Limited
BMIT Solutions Ltd	Flora Systems Limited
BONGO TECHNOLOGY LTD.	FORT INTERNATIONAL LTD.
BRACNet Limited	Genuity Systems Limited
CHONDONA LIMITED	Germany Computer & Telecom Ltd.
CodersTrust Bangladesh Ltd.	Ghorami Technology
Coloasia Limited	Hookolupay Fintech Pvt Ltd.
Creativitix Software Ltd	Huawei Technologies (Bangladesh) Ltd.
CTRENDS SOFTWARE & SERVICES LIMITED	Hydrus Digital BD (Pvt) Ltd.
Data Head Pvt. Ltd.	Inflame Cloud

Intellier Ltd.
 Intelligent Machines Limited
 Intercloud Limited
 Intercloud Limited
 INTRO Card Ltd.
 iTrain Group
 Kaicom Solutions
 KMS & ASSOCIATES
 Kolpolok Limited
 Kuhipaath Communications & technology Pvt Ltd
 Lanka Bangla Information System Limited
 Leads Corporation Limited
 Lemmesay Ltd
 lenosoft
 Link3 Technologies Limited
 Logic Software Limited
 Motion View
 Newland AIDC India
 Next IT Limited
 NybSys (Pvt) Ltd.
 PeopleNTech Limited
 Pro-Edge Associates Limited
 Probha Aurora Ltd.
 Project2Morrow Consulting Services

Reve Systems Limited
 Riseup Labs
 Robi Axiata Limited
 Sayburgh Solution Limited
 SHARK LIMITED
 Shataj Soft
 Shikhbe Shobai Solutions
 Shurjomukhi Ltd.
 Simec System Ltd.
 Skills for Employment Investment Program (SEIP)
 Skylark Soft Limited
 Synergy Interface Ltd.
 Sysnova Information Systems Ltd.
 Tappware Solutions Limited
 TaxHouse Bangladesh Limited
 Teamexus Solutions Ltd.
 TECHNOBD LIMITED
 Technohaven Company Limited
 The Decode Ltd.
 THESOFTKING LIMITED
 TMSS ICT Ltd.
 Trustaira Limited
 Unipet
 VIVASOFT LIMITED

List of Exhibitors: Hall 2

Aamra Networks Limited
 ACME AI Ltd
 ADN Telecom Limited
 Alpha Net
 Asian Information Technology Ltd.
 Astha IT Research & Consultancy Ltd.
 BacBon Limited
 BAKTIER AHMED RONY AND ASSOCIATES LIMITED
 Bangladesh Computer Council(BCC)
 Bangladesh Hi-Tech Park Authority(BHTPA)
 BANK ASIA LIMITED
 BJIT Limited
 bKash Limited
 Bondstein Technologies Limited

Brain Station 23 Limited
 Bright Solutions
 Cambrian Technologies Limited
 Chartered Skills Ltd
 Daraz
 Datasoft Manufacturing & Assembly Inc. Ltd.
 DCASTALIA Limited
 Dekko ISHO Technologies Ltd
 DhakaColo Pvt. Limited
 Digital Lab
 Dohatec New Media
 Doptor Ltd.
 Dr.Chashi Incorporation
 Eastern Bank Limited

Eon infosys Technology
ERA- InfoTech Ltd
Essential Infotech
Euphoria Infotech Bangladesh Private Limited.
Express Systems Limited
Fiber@Home Limited
GHURI EXPRESS LTD.
GigaTech
Golden Harvest Infotech Limited
Grameen Communications
Grameenphone
Harris Web Works Dhaka Limited
Hellotask Platform Ltd
iBOS Limited
iCircles USA Bangladesh Limited
IFIC Bank Limited
Info Station (Pvt.) Limited
Inovace Technologies
Kotha Apps & Technologies Ltd
Lastballsix Platform
M360ICT
Madly Ltd.
Magnus Corporation Ltd.
Mango Teleservices Limited
Medina Tech Limited
MetroSoft Bangladesh Limited
MF Asia Ltd.
MIR INFO SYSTEMS LTD.
Mitisol Ltd.
Monico Technologies Limited
Mulytic Labs GmbH
Nerddevs Ltd.
Nexzen Solution Ltd.
Ningbo Yiluqihang Education Technology Co. Ltd.

Nusratech Pte Ltd
NXGIT Soft
On The Way
OpenRefractory Bangladesh Limited
Pakiza Technovation Ltd
Panache Solutions Pvt Ltd.
Piistech Limited
Pinovation Tech Ltd.
PLEXUS
Prefeex Limited
Pridesys IT Ltd.
Pulse Tech Ltd.
Rokomari.com
Romatoo
RTC Hubs Limited
Sazim Tech Limited
SEO EXPATE BANGLADESH LTD
Singularity Limited
SkyTech Solutions
Soft Tech Innovation Ltd
Softnmart Limited
Software Shop Limited
Soppiya Innovation Limited
Symphony Softtech Ltd.
Technosoft Integration
Techntalents
TiCON System Ltd.
Tiller
Tirzok Private Limited
Unisoft Systems Limited
Walton Digi-Tech Industries Limited
WEBNS Technology Ltd.
Zantrik Limited



ARTICLES



কম্পিউটার বিপ্লবের জাতীয় বীর হানিফউদ্দিন মিয়া

মোস্তাফা জব্বার



হানিফউদ্দিনের স্মৃতিতে ডাকটিকেট অবমুক্তকরণ

বাংলাদেশের তথ্যপ্রযুক্তি খাত এখন বিশাল। কম্পিউটার বিক্রেতা, সফটওয়্যার উৎপাদক, সেবাদানকারী ও গ্রাহক মিলিয়ে দেশের অন্যতম বৃহৎ খাত এটি। যদি আমরা কম্পিউটারের সাথে ডিজিটাল সংযুক্তি খাতটিকে যুক্ত করি তবে অন্য কোন খাতকেই এর ধারে কাছেও চিন্তা করতে পারবোনা। তবে দুর্ভাগ্যজনকভাবে এটি অপ্রিয় সত্য যে আমাদের জানা নেই এই খাতটির সূচনা কার হাত ধরে বা কেমন করে এবং কবে এর সূচনা হয়েছিলো। আমার নিজেরই ব্যক্তিগত আবিষ্কার যে এই বিপ্লবের নায়ক হলেন মরহুম মোঃ হানিফউদ্দিন মিয়া। এজন্য আমি ধন্যবাদ জানাই বিসিএস এর সাবেক সভাপতি সাজ্জাদ হোসেন ও এসএম কামাল ভাই এবং বাংলাদেশ টেলিভিশনের প্রতি।

২০১৯ সালের ১লা নভেম্বর, শুক্রবার আমরা ডাক ও টেলি যোগাযোগ বিভাগের পক্ষ থেকে পালন করলাম মরহুম হানিফউদ্দিন মিয়ার নব্বুইতম জন্মবার্ষিকী। ২০২৯ সালে পালিত হবে তার জন্ম শতবার্ষিকী। দিনটি শুক্রবার বিধায় জন্মজয়ন্তীটি আমরা পালন করি তার আগের দিন ৩১ অক্টোবর। সেদিন তার প্রতি শ্রদ্ধা জানাতে আয়োজিত ডাক টিকেট অবমুক্তকরণ অনুষ্ঠানে আমি বলেছিলাম, ১৯৮৭ সালে কম্পিউটারে বাংলা ভাষার সূচনা সম্ভব হতো না যদি

১৯৬৪ সালে এই অঞ্চলের প্রথম কম্পিউটার প্রোগ্রামার মোঃ হানিফউদ্দিন মিয়ার হাত ধরে কম্পিউটার না আসতো। সেই সময়ে একটি মাত্র আইবিএম ১৬২০ মডেলের কম্পিউটার থেকে হানিফউদ্দিন মিয়ার হাত ধরে একটি তথ্যপ্রযুক্তি সম্প্রদায়ের ভিত্তি স্থাপিত হয়েছিল। এটি ছিল দক্ষিণ এশিয়ার দ্বিতীয় কম্পিউটার। সেদিন আমি হানিফ উদ্দিন মিয়াকে কম্পিউটার বিপ্লবের জাতীয় বীর আখ্যায়িত করে তার জীবনী পাঠ্য পুস্তকে অন্তর্ভুক্ত করার দাবি জানাই। আজও আমার সেই দাবি রয়ে গেল।



হানিফউদ্দিনের স্মৃতিতে ডাকটিকেট

ডাক টিকেট অবমুক্তকরণ অনুষ্ঠানে হানিফ উদ্দিন মিয়ার স্ত্রী ফরিদা বেগম এবং তার ছেলে ইঞ্জিনিয়ার মোহাম্মদ শরীফ হাসানসহ ডাক ও টেলি যোগাযোগ বিভাগের অতিরিক্ত সচিব আজিজুল ইসলাম ও ডাক অধিদপ্তরের তৎকালীন মহাপরিচালক সুধাংশু কুমার ভদ্র উপস্থিত ছিলেন। সেই অনুষ্ঠানে আমি বলেছিলাম, প্রধানমন্ত্রী শেখ হাসিনার দূরদৃষ্টি সম্পন্ন প্রজ্ঞাবান নেতৃত্বে ডিজিটাল শিল্প বিপ্লবে বাংলাদেশের অগ্রগতি বিশ্বে আজ অনুকরণীয় দৃষ্টান্ত। কিন্তু এখনও অনেকে জানেন না যে, বাংলাদেশের প্রথম কম্পিউটার প্রোগ্রামার কে। এমনকি যারা কম্পিউটার বিজ্ঞান পড়ে তারাও জানে না যে কার হাত ধরে '৬৪ সালে আমরা কম্পিউটারের যুগে পা ফেলেছিলাম। মানুষটি যেমনি বিস্মৃত তেমনি ঘটনাটিও।

আমি একটু স্মৃতিচারণ করেছিলাম, ৯৭ সালের মে মাসে বাংলাদেশ টেলিভিশন প্রথম আমাকে কম্পিউটার বিষয়ক একটি অনুষ্ঠান করার অনুমতি প্রদান করে। আমি '৬৪ সালে বাংলাদেশে আসা প্রথম কম্পিউটার নিয়ে আমার প্রথম টিভি অনুষ্ঠানটি সাজাই হানিফউদ্দিন মিয়ার সাক্ষাৎকার দিয়ে। সেই সাক্ষাৎকারটি ছিল বাংলাদেশের কম্পিউটারের ইতিহাসে এক বড় ধরনের মাইলফলক। কারণ হানিফউদ্দিন সেদিন বলেছিলেন এ দেশে কম্পিউটার আসার কথা। তিনি বাংলাদেশ থেকে পাকিস্তানের লাহোরে যেতে রাজি না হওয়ায় আমরা কম্পিউটারটি পাই।



নাটোরের সিংড়ার হুলহুলিয়া গ্রামে মরহুম হানিফউদ্দিনের প্রতি শ্রদ্ধাঞ্জলন

আমার এই লেখাটির মূল উদ্দেশ্য ইতোপূর্বে আলোচিত বাংলাদেশের প্রথম প্রোগ্রামার মোঃ হানিফউদ্দিন মিয়ার মিয়ার প্রতি শ্রদ্ধা জানানো।

২০১৯ সালের শুরুতে নাটোরের সিংড়া যাবার জন্য আমন্ত্রণ পেয়েছিলাম তথ্য ও যোগাযোগ প্রযুক্তি প্রতিমন্ত্রী জুনাইদ আহমদ পলক এর কাছ থেকে। তিনি সিংড়া থানার ১৫০ বছর উদযাপন করবেন বলে আমাকে আমন্ত্রণ জানিয়েছিলেন। সেই সূত্র ধরেই সিংড়া গিয়েছিলাম। পলক এর সিংড়া উপজেলা সদরের অনুষ্ঠান সম্পন্ন করে আমি দাবি করেছিলাম যে হুলহুলিয়া গ্রামে যাবো। পলকের সাথে সিংড়া যাবো এমন আলাপ করার সময়েই আমি এই দাবিটি তুলেছিলাম। পলক তাতে রাজি হয়েছিলেন। সেই ইচ্ছার বাস্তবায়নও করেছি আমরা। তবে একটু দেরিতে গিয়েছিলাম হুলহুলিয়া গ্রামে। সিংড়ার অনুষ্ঠান শেষ করতে দেরি হবার ফলে হুলহুলিয়া পৌছাতে বেশ রাত হয়ে যায়। আমার সঙ্গী ছিলেন পলক নিজে দেরিতে যাবার পরও সেখানে গিয়ে আমরা স্তম্ভিত। হানিফউদ্দিন মিয়ার কবরের কাছেই একটি মাঠে প্যাডেল টানিয়ে মঞ্চ সাজিয়ে গ্রামবাসী একটি বিশাল অনুষ্ঠানের আয়োজন করেছিলো। আমি বিকেলে যাবো জেনে তারা সেই বিকাল থেকে রাত অবধি বসা। হানিফউদ্দিনের ছেলে সুজাও ঢাকা থেকে গ্রামের বাড়িতে গিয়েছিলেন। আমরা হানিফউদ্দিন মিয়ার প্রতি পরম শ্রদ্ধা জানিয়ে তার আত্মার মাগফেরাতের জন্য দোয়া করে বিদায় নিলাম।

ফেরার পথে দেখলাম সড়ক থেকে কিছুটা দূরে হানিফউদ্দিন মিয়ার মাজার রয়েছে। কষ্ট হলো মাজারটি জেয়ারত করতে পারিনি বলে। তবে শান্তি পেলাম একজন পূর্বপুরুষের প্রতি তার গ্রামে গিয়ে শ্রদ্ধা জানাতে পেরেছি ভেবে। ভাবছি অন্য কোন উপলক্ষ্য তৈরি করে আবার যাবো হুলহুলিয়া গ্রামে। আপনাদের নিশ্চয়ই আগ্রহ জন্মেছে এটি জানতে যে কি আছে সেই হুলহুলিয়া গ্রামে। হানিফউদ্দিন মিয়াই বা কে?

উল্লেখ করা যেতে পারে যে, এর আগে বাংলাদেশের প্রথম কম্পিউটার প্রোগ্রামার হানিফউদ্দিন মিয়াকে মরণোত্তর সম্মাননা জানিয়েছে আইসিটি বিভাগ ও বাংলাদেশ কম্পিউটার সমিতি। বাংলাদেশ আইসিটি এক্সপো-২০১৫ শীর্ষক মেলার সমাপনী আয়োজনে হানিফউদ্দিন মিয়ার স্ত্রী ও সন্তানের হাতে সম্মাননা স্মারক তুলে দেয়া হয়। সেই সম্মাননা দেবার পর বিষয়টি আমাদের কোন কোন মিডিয়ার নজরে পড়ে। তখন দৈনিক সমকাল পত্রিকায় এভাবে খবর হয়েছে। “দেশের প্রথম কম্পিউটার প্রোগ্রামার হানিফউদ্দিন মিয়াকে মরণোত্তর সম্মাননা জানিয়েছে আইসিটি বিভাগ ও বাংলাদেশ কম্পিউটার সমিতি। বাংলাদেশ আইসিটি এক্সপো-২০১৫ শীর্ষক মেলার সমাপনী আয়োজনে হানিফউদ্দিন মিয়ার স্ত্রী ও সন্তানের হাতে সম্মাননা স্মারক তুলে দেওয়া হয়। সম্মাননা স্মারক তুলে দেন অর্থমন্ত্রী (সাবেক) মরহুম আবুল মাল আবদুল মুহিত। অনেকটা পাদপ্রদীপের আলায়ে না থাকা প্রয়াত এই প্রোগ্রামার এই ছোট আয়োজনের মাধ্যমে নতুন করে আলোচনায় উঠে এসেছিলেন। পত্রিকাটি আরও লিখেছিলো- জানা গেছে, মূলত তথ্যপ্রযুক্তি বিশেষজ্ঞ মোস্তাফা জব্বারের প্রচেষ্টাতেই তাঁকে পুরস্কৃত করেছে আইসিটি বিভাগ ও বিসিএস। তবে বিশ্বের বিভিন্ন দেশে কম্পিউটার প্রোগ্রামিংয়ের ওপর প্রশিক্ষণ গ্রহণকারী দেশের এই প্রথম প্রোগ্রামার সম্পর্কে কেন অজ্ঞাত ছিল দেশবাসীর এমন প্রশ্নের উত্তরে মোস্তাফা জব্বার জানান, তিনি আসলে অনেকটা অন্তর্মুখী স্বভাবের ছিলেন। তবে দেশের প্রতি তার টান ছিল অপরিসীম। বাংলাদেশের



নাটোরের সিংড়ার হুলহুলিয়া গ্রামে মরহুম হানিফউদ্দিনের জন্য জমায়ত

প্রথম কম্পিউটারটি আসে ১৯৬৪ সালে [তৎকালীন পূর্ব পাকিস্তানে]। সেটি ছিল আইবিএম মেইন ফ্রেম ১৬২০

কম্পিউটার। বৃহদাকৃতির ওই কম্পিউটারটি স্থাপন করতে দুটি বড় রুম ব্যবহার করতে হয়েছিল। ঢাউস আকারের সেই কম্পিউটারটিকে ঢাকার আণবিক শক্তি কমিশনে স্থাপন করা হয়। এটি ছিল দ্বিতীয় প্রজন্মের একটি ডিজিটাল মেইনফ্রেম কম্পিউটার। এখানে বিশেষ উল্লেখ্য, বাংলাদেশ তথা তৎকালীন পাকিস্তানের প্রথম কম্পিউটার আইবিএম ১৬২০ তার হাত ধরেই বাংলাদেশ আণবিক শক্তি কমিশনে [টিএসসি সংলগ্ন] স্থাপিত হয়। পরমাণু শক্তি কমিশনের বিজ্ঞানী ও প্রকৌশলীরা এবং দেশের স্বনামধন্য শিক্ষা প্রতিষ্ঠানসহ অনেক প্রতিষ্ঠান বৈজ্ঞানিক তথ্য-উপাত্ত বিশ্লেষণ, প্রোগ্রাম উন্নয়ন, প্রশিক্ষণ এবং নানামুখী গবেষণা কাজে এটি ব্যবহার করেন। তবে ঢাকার আণবিক শক্তি কমিশনে তৎকালীন পাকিস্তানের প্রথম কম্পিউটারটি কেন স্থাপিত হয়েছিল তা জানা প্রয়োজন। মোস্তাফা জব্বার জানান, পাকিস্তান সরকার তখন কম্পিউটারটি পশ্চিম পাকিস্তানে স্থাপনের পরিকল্পনা করে। তবে হানিফউদ্দিন মিয়া ছাড়া অন্য কেউ এ কম্পিউটার তদারকি এবং পরিচালনার যোগ্য ছিলেন না। এজন্য সরকার হানিফউদ্দিন মিয়াকে পশ্চিম পাকিস্তানে যাওয়ার আহ্বান জানালো। তবে ওই আহ্বান প্রত্যাখ্যান করেন হানিফউদ্দিন। ফলে কম্পিউটারটি ঢাকার আণবিক কমিশনে স্থাপনে অনেকটা বাধ্য হয় পাকিস্তান সরকার।”

এখনকার সময়ে বিদেশ মানেই স্বর্গ। সেই সময়ে পূর্ব পাকিস্তানের মানুষের জন্য পাকিস্তানই ছিলো স্বর্গ। কিন্তু হানিফউদ্দিন সেই স্বর্গের হাতছানি প্রত্যাখ্যান করেন। এদেশে কজন এমন মানুষ ছিলো বা এখনও আছে? ২০১৬ সালের শেষ প্রান্তে তার জন্মস্থান নাটোরের সিংড়ার হুলহুলিয়া গ্রামে ডিজিটাল হাব স্থাপনের কাজ শুরু হয়ে শেষ হয়েছে। ১৯ সালে আমরা সেই হাবটি দেখেছি। আমাদের সভাটি বস্তুত সেই হাবের পাশের প্রাঙ্গণেই আয়োজিত হয়েছিলো। গ্রামটি এখন শতভাগ শিক্ষিত মানুষের গ্রাম। আরও একটি সুখবর হচ্ছে তার সাথে কাজ করেছিলেন এমন একজনের সন্ধান আমরা পেয়েছি যার নাম মুহম্মদ মুসা। তার দুই মেয়ে রয়েছে। তার জন্ম ৭ মে ১৯৪৫। আমি ভাগ্যবান যে এই মানুষটিকেও আমরা বেসিস সফটওয়্যারপোতে সম্মানিত করতে পেরেছি। তার কন্যাদের হাতে আমি দিতে পেরেছি সম্মাননা। সুযোগ পেলে মুসা মিয়ার জন্যও একটি স্মারক ডাক টিকেট প্রকাশের ইচ্ছার বাস্তবায়ন করতে চাই।

সমকাল হানিফউদ্দিন মিয়ার শিক্ষা ও পেশা নিয়ে আরও লিখেছে “কম্পিউটারের সঙ্গে সখ্যতা হলো কীভাবে হানিফ উদ্দিন মিয়ার এটি জানতে হলে ফিরে যেতে হবে তার তারুণ্যে। বাংলাদেশের গৌরব, নাটোরের এই কৃতী সন্তান পরমাণু বিজ্ঞানী হানিফউদ্দিন মিয়া ১৯২৯ সালের ১ নভেম্বর নাটোরের সিংড়ার হুলহুলিয়া গ্রামে জন্মগ্রহণ করেন।

স্কুলশিক্ষক পিতা রজব আলী তালুকদারের দুই পুত্র ও এক কন্যাসন্তানের মধ্যে জ্যেষ্ঠ তিনি। সংসারে অভাব না থাকলেও উচ্চশিক্ষার জন্য জায়গির থাকতে হয় তাকে। ১৯৪৬ সালে ক্যালকাটা ইউনিভার্সিটি থেকে ম্যাট্রিকুলেশন পাস করেন। ১৯৪৮ সালে প্রথম বিভাগে আইএসসি পরীক্ষায় উত্তীর্ণ হন। ১৯৫১ সালে কৃতিত্বের সঙ্গে বিএসসিতেও প্রথম বিভাগ লাভ করেন। এরপর ১৯৫২ সালে ঢাকা বিশ্ববিদ্যালয় থেকেই এমএসসি পরীক্ষায় ফলিত গণিতে প্রথম শ্রেণীতে স্বর্ণপদকসহ প্রথম স্থান অর্জন করেন। এরপর ১৯৬০ সালে ইনস্টিটিউট অব ইনফরমেশন থিওরি অ্যান্ড অটোমেশন, চেকোস্লোভাক একাডেমি অব সায়েন্স, প্রাগ থেকে অ্যানালগ কম্পিউটার টেকনিক এবং ডিজিটাল কম্পিউটার প্রোগ্রামিংয়ে প্রশিক্ষণ গ্রহণ করেন। ১৯৬৪ সালে সিস্টেম অ্যানালিসিস, নিউমেরাল ম্যাথমেটিকস, অ্যাডভান্স কম্পিউটার প্রোগ্রামিং, অপারেশন রিসার্চে এমআইটি [যুক্তরাষ্ট্র] কম্পিউটার সেন্টার থেকে প্রশিক্ষণ গ্রহণ করেন। ১৯৭৫ সালে আইবিএম রিসার্চ সেন্টার লন্ডন থেকে অপারেটিং সিস্টেম ও সিস্টেম প্রোগ্রামিংয়ে ট্রেনিং করেন। তারপর তিনি ১৯৭৫ থেকে ১৯৮০ সালে আন্তর্জাতিক পরমাণু শক্তি সংস্থায় প্রোগ্রামার অ্যানালিস্ট হিসেবে অ্যানালাইসিস, ডিজাইন, সফটওয়্যার ইমপ্লিমেন্টেশন অব কম্পিউটার অ্যাপ্লিকেশন প্রোগ্রাম সংক্রান্ত বিষয়ে কর্মরত ছিলেন। তিনি ১৯৮৮ সালে ঢাকা বিশ্ববিদ্যালয়ে খন্ডকালীন শিক্ষকতা করেন। এছাড়া বিভিন্ন সময়ে তিনি অঙ্কশাস্ত্র ও কম্পিউটার বিষয়ে শিক্ষকতা করেছেন। হানিফউদ্দিন মিয়া ১৯৫৭ সালে বিয়ে করেন। পারিবারিক জীবনে স্ত্রী ফরিদা বেগম ও এক পুত্র এবং দুই কন্যাসন্তানের জনক দেশের প্রথম কম্পিউটার প্রোগ্রামার মো. হানিফউদ্দিন উদ্দিন মিয়া। পুত্র শরীফ হাসান সুজা দীর্ঘ ২৩ বছর সিমেন্স বাংলাদেশে প্রকৌশলী হিসেবে কর্মরত ছিলেন। অন্যদিকে তার মেয়ে ডোরা শিরিন পেশায় একজন ডাক্তার। আর অপর মেয়ে নিতা শাহীন গৃহিণী। নাটোর জেলার সিংড়া উপজেলার হুলহুলিয়া গ্রামের এই কৃতীসন্তান বাংলাদেশ অ্যাটোমিক এনার্জি কমিশনের কম্পিউটার সার্ভিস ডিভিশনের ডিরেক্টর পদে অধিষ্ঠিত ছিলেন। প্রাতিষ্ঠানিক শিক্ষার বিষয় কম্পিউটার সায়েন্স ও নিউমেরাল ম্যাথমেটিকস থাকা সত্ত্বেও শিল্প-সাহিত্যসহ আরও নানাবিধ বিষয়ে জ্ঞান অর্জনের প্রতি তার ছিল অপরিসীম আগ্রহ। তিনি বাংলা ও ইংরেজি ছাড়াও উর্দু, আরবি, হিন্দি, জার্মান ও রাশিয়ান ভাষা জানতেন। ২০০৭ সালের ১১ মার্চ না ফেরার দেশে পাড়ি জমান তিনি। তবে মৃত্যুর পূর্বে তিনি বিভিন্ন সময়ে গণিতশাস্ত্র ও কম্পিউটার বিষয়ে শিক্ষকতা করেছেন। বাংলাদেশ গণিত সমিতিরও অন্যতম প্রতিষ্ঠাতা তিনি। বাংলাদেশ কম্পিউটার বিজ্ঞানের অগ্রযাত্রার সঙ্গে মোহাম্মদ হানিফউদ্দিন মিয়ার নাম গভীরভাবে সম্পৃক্ত।’

বস্তুত হানিফউদ্দিন মিয়ার জীবনীটা এতো কম কথায় প্রকাশ করা কঠিন। তবে এটি আমার একটি কষ্টের বিষয় যে এই মানুষটি জাতীয়ভাবে মোটেই পরিচিত নন। এমনকি লক্ষ লক্ষ কম্পিউটার শিক্ষার্থী বা কোটি কোটি ব্যবহারকারী হানিফউদ্দিন মিয়াকে চেনেননা। আমরা এমন মানুষকে যদি জাতীয়ভাবে সম্মানিত করতে না পারেন তবে সেটি আমাদের জাতীয় ব্যর্থতা। আমরা মনে করি এই মানুষটি আমাদেরকে প্রথম স্মরণ করিয়ে দিয়েছেন যে লাল সবুজের এই দেশটিই বিশ্বের সেরা। পাকিস্তানে যাবার প্রস্তাব প্রত্যাখ্যান করে, দেশের তথ্যপ্রযুক্তি খাতে অসাধারণ অবদান রেখে মোঃ হানিফউদ্দিন আমাদের সকলের প্রাতঃস্মরণীয় মানুষে পরিণত হয়েছেন। তিনি যে আমাদের স্বাধীনতা পুরস্কার পাবার অন্যতম যোগ্য ব্যক্তি সেটি সম্ভবত কাউকে বুঝিয়ে বলার দরকার হবেনা।

ডাক অধিদপ্তর বাংলাদেশের প্রথম কম্পিউটার প্রোগ্রামার মোঃ হানিফউদ্দিন মিয়া এর স্মরণে দশ টাকা মূল্যমানের একটি স্মারক ডাকটিকিট অবমুক্ত করে।



নাটোরের সিংড়ার হুলহলিয়া গ্রামে মরহুম হানিফউদ্দিনের জন্য মোনাজাত

হানিফউদ্দিন মিয়াকে নিয়ে আমার নিজের খুব ছোট স্মৃতিচারণ রয়েছে। ৯৭ সালের এপ্রিল মাসে বাংলাদেশ টেলিভিশন প্রথম আমাকে কম্পিউটার বিষয়ক একটি অনুষ্ঠান করার অনুমতি প্রদান করে। বাংলাদেশে কম্পিউটার নিয়ে এর আগে আর কোন অনুষ্ঠান হয়নি। তবে আমি এর আগেও এমন একটি অনুষ্ঠান করার চেষ্টা করে আসছিলাম। কিন্তু ৯৬ সাল পর্যন্ত ক্ষমতাসীন সরকার আমাকে পছন্দ না করায় এবং ৯৬ পরবর্তী সরকারের সহানুভূতি পাওয়ায় বিটিভির একজন প্রখ্যাত প্রযোজককে আমার এই অনুষ্ঠানটি করতে দেয়া হয়। সেই প্রযোজক লুৎফর রহমান তালুকদার এখন আর বিটিভিতে নাই। তবে তার সহকারী বরকত বহুদিন আমার কম্পিউটার অনুষ্ঠান করেছে। আমরা যে সাভার গিয়েছিলাম এবং আমার আরামবাগ অফিসে যে শুটিং করেছিলাম সেটি এখনও বরকত মনে করতে পারে। হানিফউদ্দিন মিয়ার কথাও বরকত ভুলেনি।

কম্পিউটার অনুষ্ঠানটি বরাবরই শিক্ষামূলক। তবে প্রথম কয়েকটি অনুষ্ঠান আমি একটু ভিন্ন মাত্রার করার কথা

ভেবেছিলাম। সেজন্যই আমি ৬৪ সালে বাংলাদেশে আসা প্রথম কম্পিউটার নিয়ে আমার প্রথম টিভি অনুষ্ঠানটি সাজাই। তখনই জানা গেলো কম্পিউটারটি সাভারের পরমাণু শক্তি কমিশনে আছে। আমরা সেখানে যাব ভাবলাম। লুৎফর ভাই বিটিভির আউটডোর ক্যামেরা ইউনিট বরাদ্দ নেন। আমি চাইলাম, সেই কম্পিউটার যিনি প্রথম ব্যবহার করেন তার একটি সাক্ষাৎকার নেব। বাংলাদেশ কম্পিউটার সমিতির প্রথম সভাপতি এসএম কামালের কাছে খোজ পেলাম মোঃ হানিফউদ্দিন মিয়ার। পরে জানলাম বাংলাদেশ কম্পিউটার সমিতির দ্বিতীয় সভাপতি সাজ্জাদ হোসেনের ভায়রা তিনি। সাজ্জাদ ভাই পালিয়ে বিয়ে করেছিলেন এবং হানিফউদ্দিন সেই বিয়ের অনুঘটক ছিলেন।

সেই সাক্ষাৎকারটি ছিলো বাংলাদেশের কম্পিউটারের ইতিহাসে এক বড় ধরনের মাইল ফলক। কারণ হানিফউদ্দিন সেদিন বলেছিলেন এদেশে কম্পিউটার আসার কথা। আমি অবাক হয়েছিলাম এটি জেনে যে, তিনি বাংলাদেশ থেকে পাকিস্তানের লাহোরে যেতে রাজী না হওয়ায় আমরা কম্পিউটারটি পাই। আমি স্মরণ করতে পারি, ভিডিও ক্যামেরায় সামনে সেটি তার প্রথম কথা বলা। অনেকটাই লাজুক টাইপের এই মানুষটির ব্যবহার এতোটাই অমায়িক ছিলো যে আমি অভিভূত হয়ে যাই।

এরপর বহুদিন তার খবর রাখি নাই। কামাল ভাই কম্পিউটার সমিতির আশে পাশে থাকলেও সাজ্জাদ ভাই অনেকটা দূরে সরে যাওয়ায় আমি আর তার খবর নিতে পারিনি। আমি জানতাম, তিনি উত্তরায় থাকেন। আর কোন সংযোগ আমার ছিলোনা। কিন্তু ২০১৪ সালে বাংলাদেশে কম্পিউটার আসার ৫০ বছর পূর্তিতে আমি হন্যে হয়ে খুজতে থাকি যে, কেমন করে এই সুবর্ণ জয়ন্তীটি আমরা উদযাপন করতে পারি। কিন্তু দুর্ভাগ্য আমার যে আমি তখন কোন প্ল্যাটফর্ম খুজে পাইনি সেই মাহেন্দ্রক্ষণটি উদযাপন করার জন্য। পরমানু শক্তি কমিশন সেটি উদযাপন করেনি।

২০১৫ সালের শুরুতে আমি সাভারের পিএটিসিতে সরকারি কর্মকর্তাদের একটি ব্যাচের ক্লাশ নিতে গেলে সেখানে আমি হানিফউদ্দিনের কথা বলি। বস্তুত আমি ৯৭ সালের পর যখনই সুযোগ পেয়েছি তখনই হানিফউদ্দিন মিয়ার কথা বলেছি। ক্লাশ শেষে বেরিয়ে আসার পর এক তরুণ এসে জানালো তার বাড়ি হুলহলিয়া গ্রামে, যে গ্রামে হানিফউদ্দিন জন্ম নিয়েছেন এবং যেখানে তার কবরও আছে। আমি তার কাছে হানিফউদ্দিনের বংশধরদের কারও ঠিকানা চাইলাম। তিনি তার ছেলে শরীফ হাসান সুজার ফোন নাম্বার ও বাসার ঠিকানা দিলেন। সেদিন মনে হলো হাতে আকাশের চাদ পেলাম।

এমনিতেই ২০১৪ সালের শুরুতে বাংলাদেশ কম্পিউটার সমিতির সভাপতি থাকাকালে বাংলাদেশে কম্পিউটার আসার ৫০ বছর উদযাপনের জন্য চেষ্টা করি। তার আগে বাংলাদেশ কম্পিউটার সমিতির ২৫ বছর উদযাপনের জন্যও চেষ্টা করি। কিন্তু দেশের রাজনৈতিক অবস্থা আমার সহায়ক হয়নি। তবে আমি হাল ছাড়িনি। আমার নিজের কাছে মনে হয়েছে আর কিছু না হোক দেশের তথ্যপ্রযুক্তি খাতের মানুষদের কাছে অন্তত হানিফউদ্দিন মিয়ার নামটা পৌঁছানো দরকার। এক কথায় যদি বলি তবে এর সাথে যারা যুক্ত তাদের সকলের দুয়ারে দুয়ারে আমি ঘুরেছি। আমি বেসিস-বিসিএস-পরমানু শক্তি কমিশন, আইসিটি ডিভিশন সবাইকেই সুবর্ণ জয়ন্তীর কথা বলেছি। জাতীয় বিজ্ঞান পরিষদ দিবসটি উদযাপনের সিদ্ধান্তও নেয়। কিন্তু কোনটাই কার্যকর হয়নি। একেবারে শেষ চেষ্টাটি কাজে লেগেছে। ২০১৫ সালে আইসিটি ডিভিশন ও বাংলাদেশ কম্পিউটার সমিতি যখন বাংলাদেশ আইসিটি এক্সপোর আয়োজন করে তখন কোন এক কারণে আমি সেমিনার কমিটির চেয়ারম্যান হই। সেই সুবাদে এই ডিভিশনের প্রতিমন্ত্রী জুনায়েদ আহমদ পলকের সাথে কথা হয়। পলককে হানিফউদ্দিনের কথা উচ্চারণ করার সাথে সাথে তিনি এতে সম্মতি প্রদান করেন। এই ডিভিশনের কর্মকর্তারা আমার ঘাড়ে একটি বাড়তি দায়িত্ব দিলেন- তার পরিবারকে খুজে বের করার। আমি সেই কাজটিও করলাম। জানা গেল যে, তার স্ত্রী মারাত্মকভাবে অসুস্থ। সম্মাননা দেবার আগের রাতে আমি সেই মহিলার সাথে কথা বললাম। তিনি আসতে রাজি হননি। কিন্তু একরকম জোর করেই আমি তাকে রাজি করলাম এবং সেদিন ১৭ জুন ২০১৫ সম্মাননা প্রদান অনুষ্ঠানে কেবল তিনি আসেননি তার তৃতীয় প্রজন্ম ছেলের ছেলে নাতি ইরফানকেও নিয়ে এলেন।

আমি মনে করি, বাংলাদেশের তথ্যপ্রযুক্তির ইতিহাসে এটি একটি মাইলফলক ঘটনা। ইরফান সেদিন মঞ্চ দাঁড়িয়ে বলেছিলো, আমি জানতামনা আমার দাদা এতো বড় মাপের মানুষ ছিলেন। সত্যিকার অর্থে আমরাও জানতামনা তিনি কতো বড় মাপের মানুষ ছিলেন।



মরহুম হানিফউদ্দিন মিয়া ও তার কম্পিউটার

এরপর ১লা নভেম্বর ২০১৯ প্রকাশিত হয়েছে হানিফউদ্দিন মিয়ার স্মারক ডাক টিকেট। সেবারও ইরফান দাদার অনুষ্ঠানে এসেছিলো। মায়ের অভিযোগ সারা দিনই গেম খেলে। তবে স্বীকার করলেন যে পরিক্ষায় ফলাফলে সেরা হয়ে থাকে। দাদার মতোই অঙ্কে অনেক ভালো। ইরফানের কাছে জানতে চাইছিলাম, বড় হয়ে কি হবে। তখন ও লেভেলে পাঠরত ইরফান দাদার পথ ধরে হাটবে। সে কম্পিউটার প্রোগ্রামার হতে চায়। এরই মাঝে সে প্রোগ্রামিং শিখেছে। আশা করি আমরা হানিফউদ্দিন মিয়ার উত্তরাধিকারী হিসেবে ইরফানকে পাবো। অনেক শুভ কামনা ইরফানের জন্য।

ঢাকা, ১ নভেম্বর ২০১৯ ॥ আপডেট ১৭ ফেব্রুয়ারি ২০২৩

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SHOPPING
IS FUN



OFF TO
WORK



GOING
BACK
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ORDER
FOOD



RECHARGE
YOUR
PHONE



PARCEL
ON THE GO



MOVING BANGLADESH



DIGITAL BANGLADESH

A STORY OF TRANSFORMATION, RESILIENCE AND SUSTAINABILITY

Zunaid Ahmed Palak

“Digital” has become one of the most important trends in Bangladesh over the last decade. As the pioneer of the Digital brigade, Bangladesh has been able to achieve an inspiring level of success in bringing about a digital revolution within the country. The Digital Bangladesh Vision, declared on December 12, 2008, by the honorable Prime Minister Sheikh Hasina brought significant improvements in the economic, educational, and social inequality factors that determine the digital divide, including income, access to digitized services, and socioeconomic factors.

Prime Minister announced in her election manifesto that Bangladesh would be a dignified middle-income Digital Bangladesh when the country completes 50 years of independence. The idea of Digital Bangladesh vision was to promote harmonized and sustainable digitization so that the society as a whole can benefit from digitization. It was her integrity, foresight, and courageous leadership, that helped us to identify as proud citizens of a prestigious middle-income technology-based Digital Bangladesh in a span of just 13 years. The initiatives led by the Architect of Digital Bangladesh and ICT Affairs Adviser to the Honorable Prime Minister, Mr. Sajeeb Wazed Joy made our technology industry an advanced and knowledge-based driving force for the country's growth. He made the vision into a strategic roadmap to change the fates of common people using ICT as a driving force while creating knowledge, innovation, and efficiency throughout the economy. As per his guidance, we implemented the vision emphasizing- Human Resource Development, Digital Government, Connectivity and Infrastructure, and ICT Industry Promotion- the four pillars of the vision.

In a speech in 2016, Mr. Sajeeb Wazed Joy quoted an old proverb – “If you provide someone a fish, you provide him food for a day, but if you teach him

how to fish, you provide him food for a lifetime.” Moving forward with this philosophy, we established Sheikh Kamal IT Training and Incubation Centers. Bangabandhu Sheikh Mujibur Rahman used to say that the wealth of Bengal is its soil and people. Mr. Sajeeb Wazed Joy made ICT compulsory from sixth to twelfth grade. On the other hand, in just 14 years, 13,000 Sheikh Russel Digital Labs have been set up across the country so that our children can be well aware of knowledge relevant to ICT.

We were able to curate and deliver timely and relevant programs, emphasizing the leadership, vision, and ideation of the youth for constructing a knowledge-driven economy and ensuring a leadership position for Bangladesh. There is a cultural belief that if you don't pass your Bachelor's or Master, you will not have any respect in your family or society. Mr. Sajeeb Wazed Joy said that only those who want to teach, do research, and want to take up higher education should do so. The rest who passes HSC can become proficient in technical skills such as web development, mobile app development, game development, image processing, digital marketing, etc. through short-term training, and take up jobs or become self-employed. This particular philosophy has changed the lifestyle of the youth in Bangladesh. With our initiatives, we have been able to groom around 6.5 lakh freelancers with technical knowledge who made Bangladesh the second-largest supplier of online laborers in the globe.

Bangladesh is now developing frontier technologies such as artificial intelligence, robotics, blockchain, Internet of Things (IoT) and preparing to exploit the potential and challenges of the Fourth Industrial Revolution. Specialized labs of high technology in IoT, robotics, cyber security have been set up in different universities. IT Business Incubators are being set up in the universities. Initiatives have been taken to set

up Sheikh Kamal IT Training and Incubation Centers in every district with the aim of building innovation and knowledge-based generation.

Startup Bangladesh Limited and iDEA were established with a fund of Tk. 500 crores, and so far, we have supported 382 startups. We invested in a few organizations, providing seed money and making equity investments to various seed and growth-stage startups. More than a thousand women entrepreneurs were provided with Tk. 50,000 seed money each through Startup Bangladesh initiative on behalf of the honorable Prime Minister. Today they are contributing to the country's economy as e-commerce entrepreneurs and exporting to foreign markets as remittance warriors. Our main aim of such investment was to empower the youth to build courage and take the risk of doing innovative business.

We have been able to penetrate all around the country and even in places like the Kakorkandhi Union of Sherpur, where people from the Garo tribe live. Optical cables have been set up under the supervision of the Bangladesh Computer Council. People in that locality are now doing freelance work for clients in Australia, Europe, etc.

SubirNokrek, a resident of Modhupur in Tangail, didn't only become an entrepreneur himself but also motivated 500 others to be like him. And like him, people from different backgrounds, like Qawmi Madrashas from places like Bandarban, Mymensingh, etc., were able to make a mark for themselves by being an entrepreneur. This activity would not have been possible today if all the country's people had not voted for the Boat in 2008, 2014, and 2018, irrespective of their party affiliation.

We have been able to create 20 lakh employments for youth in the software and hardware sector, and from the ICT sector, we have earned \$1.4 billion from exports which was only \$26 million 13 years ago. We have around 13 crore active internet users, and through 2000 digital portals for service, we are serving about one crore users per month.

One of the major success stories of Digital Bangladesh that have helped put the country on the map in many research circles is - resilience in the face of COVID-19. Had the Honorable Prime Minister not implemented Digital Bangladesh, it would not have been possible to deal with COVID successfully. If we imagine facing the COVID epidemic before 2008, how

would 1 lac 70 thousand educational institutions which were physically closed for two years, run their educational programs; how would five crore students study; and how would 3 lakh women entrepreneurs conduct their e-commerce businesses? Without the successful initiatives of Digital Bangladesh, it would not have been possible to process over two crore e-files through mobile phones, proceedings of around 3 lakh 47 thousand hearings, and over 2 lakh bails.

Our honorable Prime Minister set a record for leading 1600 virtual meetings in a span of 2 years during the COVID, which included cabinet meetings, ECNEC, and political meetings. All these things were possible due to Mr. Sajeeb Wazed Joy, who set up the base of Digital Bangladesh in the last 14 years. In 2010, if we couldn't get the bill passed after getting approval from the Honorable Prime Minister for the Digital Hi-tech Park from the National Parliament, the activities of 109 Hi-tech parks (both government and private) in the country wouldn't have been possible.

During the pandemic, people availed the service of Police, Fire Service, and ambulance through 999. Through Shurokkha App, 15 crore people registered for corona services. On the other hand, the 333-call center inaugurated by Mr. Sajeeb Wazed Joy in 2018 assisted people suffering from no food. It has transform digitally all most all the sectors. The paving way the journey toward smart Bangladesh.

All these achievements were only possible because of the honest and courageous leadership of our Honorable Prime Minister Sheikh Hasina. Digital Bangladesh is not a dream now. It's a reality. It's now resilience and sustainability.

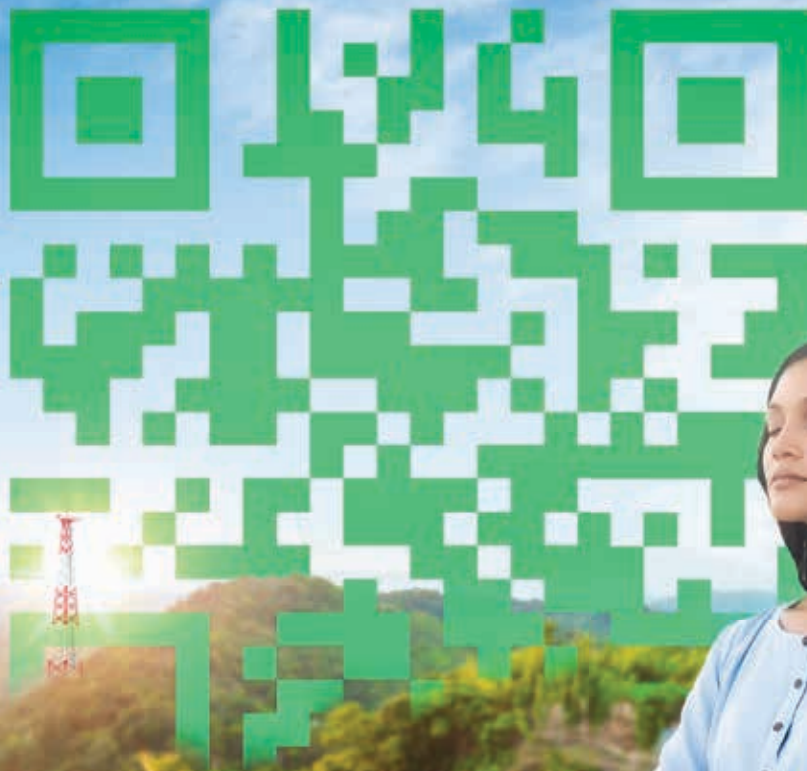
Our next goal is to reach \$5 Billion through exports and employment of 30 lakh youth by 2025. That said, for creating Bangabandhu's Sonar Bangla by 2041, Mr. Sajeeb Wazed Joy has advised us to focus on four sectors: Artificial Intelligence, Robotics, Microchip design, and Cyber security. The Prime Minister recently declared that we will transform the country to 'Smart Bangladesh' by 2041. The four pillars of Smart Bangladesh Vision are- Smart Citizen, Smart Government, Smart Economy, and Smart Society which will be achieved under the dynamic leadership of Mr. Sajeeb Wazed Joy. We are preparing our youth to lead the way to the fourth industrial revolution. Our goal is to ensure Bangladesh not only takes part in the next wave of innovation but also leads it.

[The writer is Hon'ble State Minister for ICT Division Zunaid Ahmed Palak.

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ICT AS THE CORE INGREDIENT OF 'SMART BANGLADESH' RECIPE

Russell T. Ahmed

President, BASIS

The country Bangladesh was born in 1971 under the indomitable and undisputed leader, Father of the Nation Bangabandhu Sheikh Mujibur Rahman, who was born about 103 years ago in 1920. It has been an incredible journey since independence when the nation began from the scratch with a dream of becoming a land of Golden Bengal. Especially in the last one and half a decade, Bangladesh has turned the tide of progress. Rising from the ashes, Bangladesh is now dubbed a 'Development Miracle', known as the land of immense opportunities and a role model for many countries.

This has been possible due to the deep dive of the nation in implementing 'Digital Bangladesh' vision of government, where our very own home-grown ICT sector played a phenomenal role. From automating trade, investment and revenue collection processes to managing industrial production, service delivery system, port management and transportation handling through ICT solutions are mostly developed and maintained by Bangladeshi ICT firms. Enabled by its own ICT sector, Bangladesh is registering new records in export and import every fiscal year. Rebounding from the Covid-19-induced challenges and amid the Ukraine-Russia war, our export earnings in the last fiscal year touched US\$ 60.97 billion and imports stood at US\$ 89.34 billion escalating the total trade of the country to US\$ 150.31 billion, thanks to the surge in using ICT solutions at all verticals.

The ICT industry is indeed progressing in the right direction and gradually becoming one of the major sectors of the country. For instance, ICT exports recently registered US\$ 1.4 billion reaching 137 export destinations in FY2021-22 with almost 90% value-addition done locally, while, holding US\$ 1.6 billion equivalent market share in the domestic market. This has led the ICT sector directly to contribute 1.28% to the

US\$ 465 billion-sized national GDP creating 300,000 jobs directly-- predicted to reach 500,000 by 2025. Meanwhile, ICT-using sectors, both manufacturing and services, which includes printing and publishing, machinery, transport equipment, trade, and financial services contributed to about 11.5% of the total GDP in 2015-2019. ICT-producing industries, including electrical and optical equipment manufacturing and telecommunication services, increased their share in GDP from 1.83% in 2005-2010 to 2.64% in 2015-2019.

With generous exemptions and attractive incentives like the possibility of full profit repatriation and corporate income tax exemption for ICT business till 2024 which is positively expected to be extended to 2030-- Bangladesh sets itself as the most attractive foreign direct investment destination in South Asia, especially for the ICT Startups. At present, there are over 1,200 startups in Bangladesh generating more than 1.5 million in job opportunities directly and indirectly. The trends in startups in Bangladesh indicate increasing levels of development in the ecosystem, with more than 200 new startups emerging across the country every year, supported by more than US\$ 80 million in registered alternative investment funds and more than 200 active angel investors.

Envisioning the ICT sector as the core ingredient of the smart country recipe, Bangladesh government has recently announced its vision of transforming us into 'SMART Bangladesh' by 2041, utilizing technology to raise economic development, enhance governance, and raise citizens' standards of living. Creating a digital infrastructure, promoting e-commerce and online services, expanding access to healthcare and education through technology, and utilizing data analytics to enhance decision-making and service delivery are a few examples of these activities

which are categorized broadly under the four pillars—SMART Citizen, SMART Government, SMART Society, and SMART Economy. The government also wants to encourage sustainable development in the nation and enhance the usage of renewable energy, where, ICT sector is ready to offer its incredible solutions to the government in implementing so.

For making 'SMART Bangladesh' a reality, BASIS has identified seven priority areas to work on, which are: i) Making human resources future-ready, ii) Developing local industry, iii) Developing foreign markets, iv) Increasing access to capital and fiscal incentives, v) Creating a thriving ecosystem for startups, vi) Formulating policies to help grow intangible assets, vii) Promoting the ICT industry.

In line with this, to promote our ICT industry nationally and globally by broadcasting and showcasing our success stories, BASIS is hosting the annual flagship event of the ICT sector, BASIS SoftExpo 2023 in Bangabandhu Bangladesh-China Friendship Exhibition Centre (BBCFEC) during 23-26 February 2023, where, we are welcoming you all to participate and experience the newest and ultimate advancement of Bangladesh ICT industry.

Reviewing after 50 years of independence and ICT's exponential growth, we utter with confidence, the nation is on the right track and the future is ours. The Bangladesh we today experience is ready to take the leading role on the global front emerging as a tech leader and a deciding factor in the world of tomorrow.



GROWTH AND EVOLUTION OF DIGITAL ECONOMY

Habibullah N Karim

In the last three decades, the world has been swept up in digital transformations of our civilization to the point where point-and-click consummation of everything from buying groceries and finding romance to settling taxes and working from anywhere have become the norm rather than the privilege of an exclusive few. In this digital lifestyle the demarcation between the physical and the virtual has become fuzzy and transmutable as we effortlessly move back and forth between our real beings and our digital reincarnations. And this is no longer the private turf of the gen Z or under 20 somethings - today various facets of this digital lifestyle are openly embraced by an octogenarian video-calling their grandchildren in a far-off land they have never seen or a semi-literate middle-aged parent in a remote rural area using telemedicine service to provide treatment to their children or a retired professional using live video streaming to enjoy a game of cricket from their hammock.

With this new lifestyle comes a new economic paradigm - the digital economy. Just as our real identities commingle with our digital avatars, the digital economy also coexists with the real economy. However, the growth and evolution of the digital economy predicates the necessity of formulating new implements fit for the digital era such as policy on how to tax the digital economic actors, ways and means of regulating electronic payments and digital asset transfers, legal framework for digital privacy, data security and cyber crimes and many other such issues.

When an e-commerce site within our national borders sells a shirt, wristwatch, shoe or any other lifestyle product that entails transfer of a physical object from a seller to a buyer and is no different from buying such a product in a real market or a shop. It is easy to see why such a transaction should automatically

come under the purview of any transactional tax such as sales tax or VAT and all such transactions should accrue towards income tax filing by the seller. But what is not so obvious is how to tax such goods transactions across borders or tax digital services such as online advertising or professional services such as engineering, legal and medical, especially when such services are, again, rendered across borders.

When an online merchant sells pair of shoes and ships it from say Singapore to Dhaka how do we ensure that the merchant collects the proper VAT and import duty from the buyer and deposits to the Bangladesh exchequer? Or when some business entity in the country advertises on Facebook or on Google search engine how do we collect the appropriate VAT on such transactions since neither of them have registered subsidiaries in Bangladesh? Or better yet, when a local content provider generates subscription and advertisement revenue off of YouTube how do we bring such income under the income tax regime?

Such questions have been faced not only by the tax administration of Bangladesh but of all countries of the world. The expansion of the tax net to the digital economy is imperative if we want to ensure a level playing field for both the real and digital economies. Then again in the real economy there are tiny players - small street-corner tea stalls or shoe-shine stands - that justifiably should not be chased by tax collectors, there are also big fishes - midsize to large manufacturers or malls and chain stores - that are automatically under the tax net. In the same vein in the digital economy also there are tiny merchants selling a few artefacts on Facebook or online stores who should not be taxed while the midsize to big online merchants, whether local or international, must pay their fair share of taxes.

However, taxing the digital economic actors entails new approaches to tax collection that the tax administration must learn how to incorporate into their modus operandi. This should take into account similar measures taken by other countries no matter where. For example, the OECD has chalked up elaborate regulatory measures to collect and apportion taxes on cross border e-commerce transactions. India has even introduced an equalisation levy on multinational e-commerce enterprises.

However, all such taxation measures are inexorably tied to cultural adoption of electronic payments and the tax administration automatically getting its due share in a routine fashion. Here we see a tremendous gap between the rapidly rising volume of transactions in the digital economy and the share of such transactions that are settled electronically.

A recent IFC study on electronic payments has found that since 2010 there has been a five-fold increase in online payments but the bulk of that is due to electronic settlement of public service salaries and pensions. It is very strange to note that the private sector and the general public are lagging behind the government in terms of their overall share of electronic payments. For lack of a better analysis we can generally attribute this anomaly to cultural disinclination towards and lack of trust in electronic payment methods. Despite sustained push from the top on rapidly accepting the digital way of life Bangladesh has the lowest penetration in the region for non-cash instruments of payment such as credit/debit cards and digital wallets.

The monstrous growth in mobile financial transactions over the last 15 years is still dominated by point-to-point (through agents) and person-to-person transactions which are generally known as P2P transactions. On the other hand the vast majority

of e-commerce order fulfilment is still done via cash on delivery (COD). This has to change in order to take the shackles off our digital economy.

Electronic payments and settlements are inherently transparent and always leads to better tax collection. In many advanced economies the government encourages businesses to adopt digital payments and settlements by providing tax rebates on digital transactions and write-offs on automation investments. The tax administration must take note of this and remove the current disincentives for adoption of digital systems in businesses.

For the vast majority of the people though the electronic payment purveyors must come up with systems that are easy to use as well as inexpensive in terms of transaction costs. And only then it may bring on the cultural change and mainstream adoption of electronic payment methods that we have shied away from despite huge growth in digital financial transactions in the last ten years.

It is a given that with time the share of the digital economy will subsume almost the whole economy. The rules and regulations, incentives and penalties, and accessibility and sophistication of digital transaction systems making up the digital economy have to be different from those of the traditional economy. The organic evolution from the real economy to a digital economy has been happening in this country for more than two decades but that has resulted in disjointed developments creating huge gaps in the digital economy especially in terms of digital payments and getting a fair share of taxes from the digital economy. It is high time that the government and the private sector develop a trusted partnership to embark on an exhilarating journey towards our destined digital economy in an accelerated manner.

Habibullah N Karim

Author, Entrepreneur, Investor, Mentor



ONDC

GAME CHANGER FOR DIGITAL COMMERCE AND ITS RELEVANCE FOR BANGLADESH

AKM Fahim Mashroor

Origin of ONDC

The Open Network for Digital Commerce (ONDC) is a project launched by the Indian Government in collaboration with the National Payments Corporation of India (NPCI) to create an open digital commerce network. While the project is focused on India, its underlying principles and technologies could be applied in other countries.

The ONDC is based on a decentralized architecture that allows different participants in the network to interact with each other seamlessly. The network is designed to be open and transparent, with all transactions recorded on a shared ledger. This means that any participant in the network can view and verify the authenticity of a transaction, making it more secure and reliable. The philosophy or spirit of ONDC is very similar to 'Open Source' software that largely disrupted the proprietary software ecosystem in the 80s and 90s.

How ONDC democratizes digital commerce?

One of the key benefits of the ONDC is that it can help small online sellers by reducing the barriers to entry for digital commerce. Also, in most countries, digital commerce space is often controlled by large players (like Amazon in USA, Alibaba in China, Flipkart and Amazon in India). The small sellers who sell products through large platforms are too much dependent on the platforms and hence they are treated unfairly in terms of commercials (e.g. marketplace commission) or product visibility. Also, the payment system and logistics network are very much controlled by large platforms. The ONDC aims to address these issues by providing a low-cost, interoperable platform that can be easily integrated into multiple existing systems.

In ONDC architecture, different categories of buyer apps (e.g. marketplace apps, media apps, payment super apps etc.) and seller apps (aggregating thousands of small and micro sellers) are connected through the interoperable network over common service layers of payments and logistics. In the ONDC ecosystem, the small sellers have much greater flexibility and independence compared to the legacy proprietary platform network of large online retail operators (who have ownership on both buyer app and seller app).

ONDC: Is it relevant for Bangladesh?

Retail space in Bangladesh is highly characterized by high concentration of small retailers. There are 4 million retailers, mostly small and informal, across the country. It is estimated that for every thousand people, there are 15 retailers (compared to 8 in every thousand in India). The retail sector is also the largest employer in the country with close to 20 million people employed (mostly informal employment).

As digital connectivity is improving and smartphone penetration is increasing among the mass people, it is expected that digital commerce adoption will increase rapidly within the next few years. From a current base of less than 0.5% population of online shoppers, the country is expected to reach 20-30% in the next 5-10 years. How will the transformation of shopping behavior impact the retail economy in terms of employment and income equality? There is concern that as more digital transformation takes place in retail space, it may get more corporatized and a lot of existing small and micro retailers may lose business. That can create major social and economic issues as huge amount of informal employment are in the micro and small retail industry.

ONDC like an interoperable digital commerce platform could help small businesses in Bangladesh by reducing the barriers to entry for digital commerce. Like India, Bangladesh has a large number of small and medium-sized businesses that could benefit from the lower transaction costs and greater efficiency provided by the ONDC. With the ONDC, these businesses could access a larger customer base and expand their operations, while also benefiting from the increased security and transparency of digital transactions.

With such an open platform, small online sellers will be able to access a larger customer base and expand their businesses without incurring high transaction fees. Additionally, the network will provide greater transparency and security for transactions, which can help to build trust between buyers and sellers. This, in turn, can lead to increased sales and revenue for small businesses.

However, it's important to note that implementing the ONDC in Bangladesh would require significant investment in digital infrastructure and regulatory frameworks. The project would also need to be adapted to the unique needs and challenges of the Bangladeshi market. Nonetheless, the underlying principles and technologies of the ONDC could provide a valuable blueprint for promoting financial inclusion and digital commerce in Bangladesh.

In conclusion, the Open Network for Digital Commerce has the potential to revolutionize the way small online sellers conduct transactions. By providing an open and transparent platform that is low-cost and easy to use, the ONDC can help to promote financial inclusion and economic growth, while also reducing barriers to entry for small businesses in the digital commerce space.

AKM Fahim Mashroor, Former President, BASIS and CEO, bdjobs.com Ltd.

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সেরা ইন্টারনেট
এক্সপেরিয়েন্স
নিয়ে আগামীর জন্য রেডি

রবি



দারুণ সব অফার পেতে ডাউনলোড করুন



My Robi অ্যাপ



আপনার পছন্দের অফার পেতে ডায়াল *৮৮৮#

Life-এ নতুন এক্সপেরিয়েন্স



BLOCKCHAIN — DEMYSTIFIED

— K Atique e Rabbani, B Tech (Hons), FCA

Chal-Dal

Imagine a shipwreck. A ship called “ChalShip” was caught in a storm and ran aground. The ship was carrying chal (Rice) in bags. 100 people found themselves in a deserted island with 100 bags of Chal salvaged. Each bag contained 40 kgs of chal. Each survivor had a bag of chal to himself.

Unfortunately within a few hours another shipwreck happened. This time it was “DalShip”. Coincidentally again 100 survived with 100 bags of dal (lentils). Each bag of dal contained 40 kgs of dal. Each survivor here had also a bag of dal to himself.

One self-declared Leader came out. A survival plan was chalked out. Each chal bag owner would give a kg of chal to dal bag owner in return for a kg of dal. The Leader would keep tab. One would cook his chal and dal and survive till rescuers hopefully arrive. Soon confusion arose about who gave chal to whom and were they reciprocated properly with kgs of dal. Furor gave away to fight, chal bags and dal bags were ransacked and spread in sand. 90 chal persons and 90 dal persons died in the melee.

One stooping wise man called a halt, and managed to get the men to bury the dead. He then asked if the surviving 19 would like to live. All 19 said yes. Together with the wise man, there were now 20 persons. Ten of them found a bag of chal each containing 40 kgs of chal. Another ten found a bag of dal each with 40 kgs of dal in them.

The wise man said let us try this plan. He gave out a pen and a small notebook that he saved from the wreck to each. His instruction was as follows. Let us call each chal bag owner C1, C2,... C10 and each Dal bag owner D1, D2, ..., D10. Every exchange will be for 1 kg of either Chal or Dal. After every exchange, all

would record the transactions simultaneously. After each exchange one will eat “chal dal” combination cooked for 10 days. At the end of ten days, each would have consumed one kg of chal and one kg of dal. After that, another exchange will happen with recording by everyone. Hopefully, rescuers will come by the time the last kg of chal and dal have been consumed.

Before each exchange, the supplier, say, C1 would shout to all 20 that he is giving a kg of chal to say, D1. D1 would shout to acknowledge receipt of a kg of chal and to give one kg of dal in exchange to C1. Everybody would record it together with balances left with C1 and D1. Here C1 now has 39 kgs of chal and 1 kg of dal. D1 has 39 kgs of Dal and 1 kg of chal. After ten days C1 would have 38 kgs of chal and no Dal and D1 would have 38 kgs of dal and no chal. This would be publicly announced by each for recording by all. Tedious to note this down for all but rather than risk another fight and self-immolation they decided to go with this system. All would reconcile their notebooks after each exchange and they all lived happily ever after till their last kg of chal and dal. A ship saw their chal dal fire and they all were rescued.

What were the characteristics of this Wise man's system? There was no central authority keeping records. Each transaction was recorded by all members of the group and therefore no one could dispute what all 20 had recorded. Distributed recording. Moreover, trust was not necessary between individuals but community/consensus/system provided the trust. Everyone depended on the consensus of records kept by the group.

Add unchangeability/ immutability of transactions kept by all 20 survivors and this, ladies and gentleman is the fundamental concept of BlockChain.

Comparison of (a) Centralised, (b) Centralised with backup and (c) a Blockchain technology based decentralized digital system over the internet

Centralised System

A boy Badal says to girl Ganga "I love you. I want to marry you, Ganga." Then Badal changes his mind and leaves Ganga. Ganga feels remorse but has no recourse. This is a faulty centralized system.

Centralised with backup System

Boy Badal says to girl Ganga in front of his friend Fazal "I love you. I want to marry you, Ganga." Badal changes his mind and leaves Ganga. Badal also cajoles Fazal to deny what Badal said to Ganga earlier. Ganga feels remorse but has no recourse as Fazal was compromised. This is a faulty centralized system with backup.

Blockchain technology based digital decentralized System over the internet

Boy Badal says to girl Ganga "I love you. I want to marry you, Ganga." in an open space with lots of strangers." Badal cannot change his mind and leave Ganga as witnesses are strangers, too many and cannot hence be manipulated. This is essentially a Blockchain system. Blockchain eliminates centralized authority and hence one point of vulnerability and one point of failure.

One to many paradigm, decentralization, disintermediation, immutable

Blockchain moves responsibility of custodianship from one to many. Everyone has the same information. Blockchain fosters a collaborative rather than a hierarchical system in finance, business, government, education and any sphere of activity. The "many" paradigm ensures the system is peer-to-peer consisting of participants with equal status. Information once agreed by all is unchangeable and each participant has a copy of the latest updated information. It thus lends to a cash-like decentralized, disintermediated system over the internet. Blockchain enables extrapolation of a small village cash based system to a global electronic cash system. Blockchain turns internet of information to internet of value. Just as we send information across to each other we can send/ exchange value/ credentials across to each other with authenticity and confidence.

Interlinked blocks and Cryptographic Hash ID

Blockchain keeps data in a chain of interlinked blocks. Each block contains data that cannot be changed after everyone in the network agrees it to be true. The block added to the chain represents the latest state of affairs of the chain at that point in time. Each block has an ID which is derived from the previous block ID and the content of the current block. This ID or hash-ID of current block is created by what is called a cryptographic hash function. Cryptography is the science of hiding information from third parties. Hash refers to a string of characters, hitherto meaningless, that represents the original meaningful data. The inputs to the cryptographic hash function are, amongst others, the previous block ID and the content of the current block. The output is the Cryptographic hash ID of the current block. This cryptographic hash ID of a block is a fixed string of characters, also known as digest and is essentially the fingerprint of the content of the block. This chain of interlinked blocks representing the latest state of blockchain database at that moment in time, maintained by each in the network, becomes a secure, tamper-proof, one truth for all information repository in the network.

Blockchain enables Sovereign ID system

Each of us presently don't own our own personal digital data. Data is the new oil and social media companies/ outside agencies inappropriately use our personal data kept with them to, say, direct advertisers to push advertisements to us and generating revenue for these digital companies. Blockchain enables Sovereign ID so that each of us will have a virtual locked box, for example, containing all our personal data. We only release as much data as is needed, say to hospitals, retail stores and other agencies for their needs and maintain ownership and control of our own data.

Blockchain applications, Permissionless and Permissioned Blockchains, Innovations

Blockchain applications are only limited by imagination. Any transaction oriented, compliance hungry, privacy preserving, authenticity seeking, immediate accessibility enabling to one truth for all system is likely to be disrupted and benefitted by Blockchain. Bitcoin, Ethereum (with Smart Contract – meaning software coded self-executing contract) and other Cryptocurrencies (Digital currency without any physical representation) have been the first applications of Blockchain. This is because Blockchain, based on Distributed Ledger Technology or DLT (i.e. one instantly verified shared ledger for all) can prevent against double spend of cryptocurrencies,

a crucial feature for the existence of cryptocurrencies. These cryptocurrency enabling blockchains like Bitcoin and Ethereum are essentially permissionless or public blockchains where anyone can join in. In contrast permissioned or private/ enterprise or closed group, Blockchains like Hyperledger, R3 Corda which exist in a centralized – decentralized continuum have also emerged for applications in, say, Finance, Supply Chain, Accounting, Government, Land Records, Education, Media, Charity, Music and a whole host of other areas. Innovations are coming on stream to overcome Blockchain limitations, say, of speed of execution, for designing better multiparty consensus algorithms, seamless inter blockchain operability, private-public chain anchoring, reliability of information feed (i.e. temperature, price of security) from outside (called oracles) as inputs to smart contracts (contract automatically executed by computer program, triggered by inputs) in blockchain. Quantum computing with astronomical processing power can challenge the present cryptography based security system. Innovations are also underway to produce Quantum safe consensus algorithms and hence evolving quantum proof blockchains.

Blockchain ushers in sanity digitisation from the earlier vanity digitisation

Digital systems, digital data so far have been prone to hacking and tampering. Blockchain makes digital systems secure and trustworthy through its immutability, distributed (information replicated with everyone in the network), decentralization and consensus (agreement by all in the network required for recording data) features. Digitisation has

transcended from pre Blockchain vanity digitization to post Blockchain embedded sanity digitization. In these days of fourth Industrial revolution where many technologies like Internet of things (IoT), Robotics, Artificial Intelligence are at play resulting in explosion of data. How can we place confidence on these data so created? The answer is this foundational technology, called Blockchain. Blockchain technology only can lend authenticity to these data so generated. Blockchain, therefore, is therefore a humanizing technology. We must understand and embrace this in Bangladesh in all earnest.

A world without friction, a world without intermediaries

Friction is the money middlemen, intermediaries collect and the delay that happens in fulfilling a transaction between remotely placed transacting parties as in migrant workers sending money home. We can look forward to a future where there will be no intermediaries. Over the internet transacting parties the world over like buyer and seller from two geographic regions, service giver to service receiver who are strangers to each other, loan giver to loan receiver unknown to each other (also known as DeFi - decentralized finance) will make non repudiating deals with confidence. These will be done over the internet under the smart contract/ software coded trust algorithm offered by Blockchain and DLT (Distributed Ledger Technology) together with other enabling technologies like IoT (Internet of things), AI (Artificial Intelligence) and the like and do away with friction producing intermediaries.

K Atique -e- Rabbani, B Tech (Hons), UK, FCA

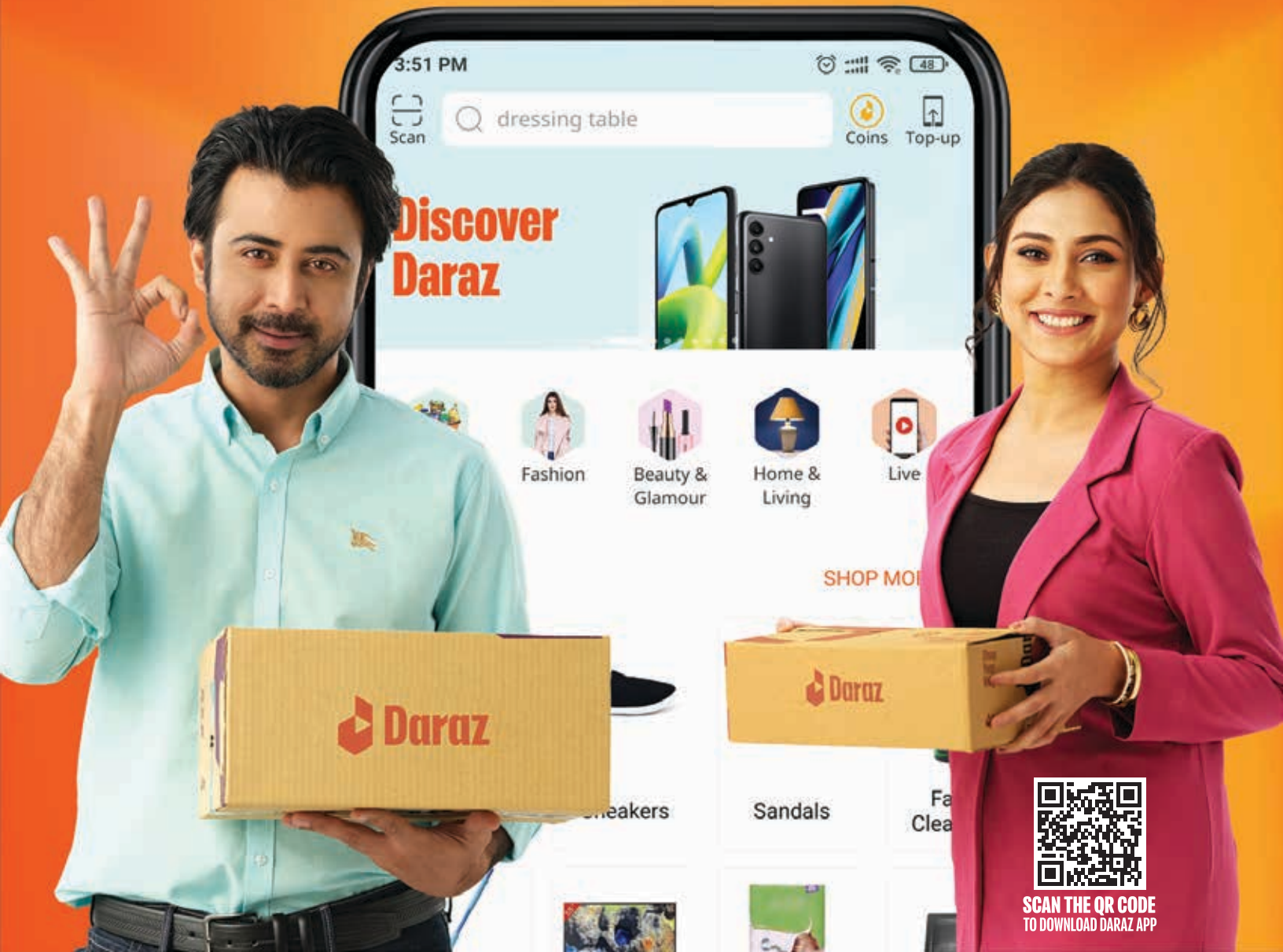
Managing Director, The Computers Ltd (Established in Nov 1983), Chief, BARED (Blockchain Academy of Research, Education and Development), Chief Consultant, AtiqueRabbani Consulting (Blockchain, ICT, IS Audit, Internal Audit, Accounts), Member, Board of Directors, Biman Bangladesh Airlines Ltd, Independent Director, ADN Telecom Ltd, Past President, Institute of Internal Auditors Bangladesh Chapter (2018-2019), Founder Member, former Secretary and Treasurer, BASIS (Bangladesh Association of Software and Information Services) and BCS (Bangladesh Computer Samity), Former Vice President (2016), Past Director (2002-4, 2015-17), Dhaka Chamber of Commerce and Industry (DCCI), Past Director (2002-2012), ICB securities and Trading Company Ltd (ISTCL), Past Director, Energypac Power Generation Ltd (2016-18), Life Member, Cadet College Club Ltd and Mirzapore Ex Cadets Association (MECA)

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Daraz যা চাই দারাজে পাই



A man in a light blue shirt and a woman in a pink blazer are holding cardboard boxes with the Daraz logo. Behind them is a large smartphone displaying the Daraz app interface. The app screen shows the time 3:51 PM, a search bar with 'dressing table', and various category icons like Fashion, Beauty & Glamour, Home & Living, and Live. A QR code is visible in the bottom right corner of the app screen.

3:51 PM

Scan

dressing table

Coins

Top-up

Discover Daraz

Fashion

Beauty & Glamour

Home & Living

Live

SHOP MORE

Daraz

Sneakers

Sandals

Fa

Clea

SCAN THE QR CODE
TO DOWNLOAD DARAZ APP

BASIS SOFTEXPO 2023 COMMITTEES



BASIS SOFTEXPO 2023 ORGANIZING COMMITTEE

Sl	Name	Designation	Committee Role
1	Mr. Abu Daud Khan	Vice President, BASIS	Convener
2	Mr. Mushfiqur Rahman	Director, BASIS	Co-Convener
3	Mr. Syed Mohammad Kamal	Director, BASIS	Co-Convener
4	Mr. Russell T. Ahmed	President, BASIS	Member
5	Ms. Samira Zuberi Himika	Senior Vice President, BASIS	Member
6	Mr. Fahim Ahmed	Vice President, BASIS	Member
7	Mr. Habibullah Neyamul Karim	Director, BASIS	Member
8	Mr. AKM Ahmedul Islam BABU	Director, BASIS	Member
9	Mr. Md. Mostafizur Rahaman Sohel	Director, BASIS	Member
10	Mr. Tanvir Hossain Khan	Director, BASIS	Member
11	Mr. Rashad Kabir	Director, BASIS	Member
12	Mr. M Rashidul Hasan	Chairman, Advisory Standing Committee	Member
13	Mr. Shah Imraul Kaesh	Co-Chairman, Advisory Standing Committee	Member
14	Mr. Uttam Kumar Paul	Co-Chairman, Advisory Standing Committee	Member
15	Mr. Hashim Ahmed	Secretary, BASIS	Secretariat Incharge

BASIS SOFTEXPO 2023 SUB-COMMITTEE

Sponsorship Sub-Committee

Sl	Name	Designation	Sub-Committee Role
1	Mr. Russell T. Ahmed	President, BASIS	Chair
2	Mr. Syed Mohammad Kamal	Director, BASIS	Co-Chair
3	Ms. Samira Zuberi Himika	Senior Vice President, BASIS	Member
4	Ms. Sonia Bashir Kabir	Member, President's Advisory Committee	Member
5	Mr. Fahim Ahmed	Vice President (Finance), BASIS, Member	Member
6	Mr. Adnan Imtiaz Halim	Member, Advisory Standing Committee	Member
7	Ms. Tasnuva Ahmed	COO, Astha IT Research & Consultancy Ltd.	Member
8	Mr. Zeeshan Kingshuk Huq	Communications Consultant , BASIS	Member
9	Ms. Farah Jabin Ahmed	Asst. Manager, Stakeholder Relations	Secretariat Incharge

Knowledge Session (Seminar, Roundtable & Technical Session) Sub-Committee

Sl	Name	Designation	Sub-Committee Role
1	Mr. M Rashidul Hasan	Chairman, Advisory Standing Committee	Chair
2	Mr. Shah Imraul Kaesh	Co-Chairman, Advisory Standing Committee	Co-Chair
3	Mr. Rashad Kabir	Director, BASIS	Member
4	Mr. M Asif Rahman	Member, Advisory Standing Committee, Member	Member

5	Ms. Rezwana Khan	Member, Advisory Standing Committee	Member
6	Mr. Md. Shahid Uddin Akbar	CTO, Bangladesh Institute of ICT in Development (BIID)	Member
7	Mr. Mohammad Sanowarul Islam	Managing Director, Innovation Information System Ltd.	Member
8	Mr. Tanvir Hossain Khan	Director, BASIS	Member
9	Mr. Mohammad Oli Ahad	Managing Director, Intelligent Machines Limited	Member
10	Mr. Mir Mohammad Nazmul Arefin	CEO, ToguMogu Pvt. Limited	Member
11	Mr. Zeeshan Kingshuk Huq	Communications Consultant, BASIS	Member
12	Mr. Enamul Hafiz Latifee	Joint Secretary, BASIS	Secretariat Incharge- 1
13	Mr. Md. Mominul Islam	Research Associate, BASIS	Secretariat Incharge- 2

Big Show / Anchor Events Sub-Committee

Sl	Name	Designation	Sub-Committee Role
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2	Mr. Liakat Hossain	Advisory Standing Committee, Member	Co-Chair
3	Mr. Russell T. Ahmed	President, BASIS	Member
4	Mr. Tanvir Hossain Khan	Director, BASIS	Member
5	Mr. M Asif Rahman	Member, Advisory Standing Committee, Member	Member
6	Ms. Rezwana Khan	Member, Advisory Standing Committee	Member
7	Mr. Shah Imraul Kaeesh	Co-Chairman, Advisory Standing Committee, Member	Member
8	Mr. Adnan Imtiaz Halim	Member, Advisory Standing Committee	Member
9	Mr. Raisul Kabir	Brain Station 23, Member	Member
10	Mr. Md. Toufiq Elahi Plabon	Asst. Manager, Events & Communication	Secretariat Incharge

B2B & International Guest Management Sub-Committee

Sl	Name	Designation	Sub-Committee Role
1	Mr. AKM Ahmedul Islam BABU	Director, BASIS	Chair
2	Mr. T I M Nurul Kabir	Chairman, International Market Development	Co-Chair
3	Mr. Raisul Kabir	CTO, Brain Station 23	Member
4	Mr. Tanvir Hossain Khan	Director, BASIS	Member
5	Mr. Mohammad Sanowarul Islam	Managing Director, Innovation Information System Ltd.	Member
6	Mr. Iqbal Ahmed Fakhruul Hasan	Member, Advisory Standing Committee	Member
7	Mr. Kowser Ahmed	Managing Director, The Kow Company Limited	Member
8	Mr. B M Shoriful Islam	CEO, Skylark Soft Limited	Member
9	Mr. Ripon Dey	Chief Executive Officer, Pollux Technology Solutions	Member
10	Mr. Masudur Rahaman	Chairman, QA Harbor Limited	Member
11	Mr. MJ Ferdous	Director & COO, Brain Station 23 Limited	Member
12	Mr. Md. Towfiqur Rahman (Retd),	CEO, Banglafire Solution Ltd	Member
13	Mr. Fuad Bin Omar	Director, Nascenia	Member

14	Mr. Dewan Samir	Managing Director, Kawaii Advanced Technology & Solution Limited	Member
15	Mr. Mustafiz Ahmed Khan	Founder CEO, Essential Infotech	Member
16	Mr. Zeeshan Kingshuk Huq	Communications Consultant, BASIS	Member
17	Mr. Enamul Hafiz Latif	Joint Secretary, BASIS	Member
18	Ms. Chowdhury Fatima Rokon Tuli	Head of Service	Secretariat Incharge 1
19	Ms. Tanjin Prity	Executive, Trade Facilitation	Secretariat Incharge 2

Branding, Creative, Content Management Sub-Committee

Sl	Name	Designation	Sub-Committee Role
1	Mr. Russell T. Ahmed	President, BASIS	Chair
2	Mr. Abu Daud Khan	Vice President (Admin), BASIS	Co-Chair
3	Mr. Shah Imraul Kaesh	Co-Chairman, Advisory Standing Committee	Member
4	Mr. Rashed Kamal	Chairman, Standing Committee on Research on Publication	Member
5	Ms. Tasnuva Ahmed	COO, Astha IT Research & Consultancy Ltd.	Member
6	Mr. Muhammad Risalat Siddique	The Man of Steel (Chairman), Analyzen Bangladesh Limited	Member
7	Ms. Sayeda Umme Salma (Jhumur)	Executive Vice President, Melonades	Member
8	Mohammad Ripon Hossain Awlad	Asst. Manager, Creative & Design	Secretariat Incharge
9	Mr. Md. Toufiq Elahi Plabon	Asst. Manager, Events & Communication	Secretariat Incharge

Logistics and Securities Sub-Committee

Sl	Name	Designation	Sub-Committee Role
1	Mr. Mostafizur Rahman Sohel	Director, BASIS	Chair
2	Mr. Uttam Kumar Paul	Co-Chairman, Advisory Standing Committee, Member	Co-Chair
3	Mr. Zaman Khan	Chairman, Standing Committee on Local Market	Member
4	Mr. Mustafizur Rahman	Managing Director, Ngor Solutions Limited	Member
5	Mr. Delwar Alam	Managing Director, BugsBD Limited	Member
6	Mr. Mohammad Oli Ahad	Managing Director, Intelligent Machines Limited	Member
7	Mr. Zia Ashraf	COO, Chaldal Ltd.	Member
8	Mr. Arman Ahmed Khan	Director, Magnus Corporation Ltd	Member
9	Mr. Muhammad Monirul Hoque	Manager, Procurement & Logistics	Secretariat Incharge
10	Mohammad Ripon Hossain Awlad	Asst. Manager, Creative & Design	Secretariat Incharge 2

PR Management Sub-Committee

Sl	Name	Designation	Sub-Committee Role
1	Mr. Ariful Hasan Opu	Member, Advisory Standing Committee	Chair
2	Mr. Habibullah Neyamul Karim	Director, BASIS	Member

3	Mr. Noor Mahmud Khan	Member, Advisory Standing Committee	Member
4	Ms. Sayeda Umme Salma (Jhumur)	Executive Vice President, Melonades	Member
5	Mr. A.S.M. Rafiq Ullah	CEO, Content Matters Ltd.	Member
7	Mr. Zeeshan Kingshuk Huq	Communications Consultant, BASIS	Member
8	H. M. Imam Hasan	Deputy Manager, Public Relations	Secretariat Incharge

Visitor Engagement Sub-Committee

Sl	Name	Designation	Sub-Committee Role
1	Mr. Mushfiqur Rahman	Director, BASIS	Chair
2	Mr. Syed Mohammad Kamal	Director, BASIS	Co-Chair
3	Mr. Noor Mahmud Khan	Member, Advisory Standing Committee	Member
4	Mr. Md. Shajalal	Standing Committee on Member Services Welfare	Member
5	Mr. Abhijit Bhowmik	Chairman, Workspace Infotech Ltd.	Member
6	Mr. Khan Mohammad Nakib	Chairman & CEO, Diana Host Ltd.	Member
7	Mr. Masudur Rahman	Senior System Engineer	Secretariat Incharge

Games & Experience Zone Sub-Committee

Sl	Name	Designation	Sub-Committee Role
1	Mr. Tanvir Hossain Khan	Director, BASIS, Co-Convener	Chair
2	Mr. Zafir Shafiee Chowdhury	Chairman, Singularity Limited	Co-Chair
3	Mr. Iqbal Ahmed Fakhurul Hasan	Member, Advisory Standing Committee	Member
4	Mr. Mir Shahrukh Islam	Managing Director, Bondstein Technologies Limited	Member
5	Mr. Ershadul Hoque	Chairman, Standing Committee on Games, XR & NFT	Member
6	Mr. Nahid Hossain	Chairman, Standing Committee on 4IR	Member
7	Mr. Arif Mohammad	CEO, Technomagic PVT. Ltd	Member
8	Mr. Md. Shajalal	Chairman, Standing Committee on Member Services Welfare	Member
9	Mr. Sanzar Adnan Alam	CEO, Debug Bd Ltd.	Member
10	Md Shahriar Mobashir	CEO, Angular Esports Limited	Member
11	Mr. Md. Toufiq Elahi Plabon	Asst. Manager, Events & Communication	Secretariat Incharge

Food & Concert Sub-Committee

Sl	Name	Designation	Sub-Committee Role
1	Mr. Uttam Kumar Paul	Co-Chairman, Advisory Standing Committee	Chair
2	Mr. Zia Ashraf	COO, Chaldal Ltd.	Co-Chair
3	Mr. Gopal Debnath	Proprietor, Mediasoft Data Systems Ltd.	Member
4	Ms. Fatematuze Johora Asha	Asst. Manager, HR & Administration	Secretariat Incharge
5	Mr. Muhammad Monirul Hoque	Manager, Procurement & Logistics	Secretariat Incharge

The background is a solid teal color. The top half features a network of white lines and dots, resembling a circuit board or a data network. The bottom half features a white wireframe globe. The text is centered in the upper half.

BASIS SOFTEXPO 2023 SESSION MATRIX

DATE	TIME	BIG TENT
Day 1 23 February 2023 Thursday	10:00 AM - 01:00 PM	Opening Ceremony
	03:00 PM - 05:00 PM	Inclusion of Women in Smart Bangladesh
	06:00 PM - 08:00 PM	Freelancers Conference
Day 2 24 February 2023 Friday	09:00 AM - 12:00 PM	Startup Conference
	11:00 AM - 01:00 PM	-
	03:00 PM - 05:00 PM	-
	05:00 PM - 08:00 PM	Ministerial Conference
	06:00 PM - 08:00 PM	-
Day 3 25 February 2023 Saturday	10:00 AM - 01:00 PM	Developers Conference
	11:00 AM - 01:00 PM	-
	03:00 PM - 05:00 PM	-
	06:00 PM - 08:00 PM	Ambassadors' Night
Day 4 26 February 2023 Sunday	10:00 AM - 01:00 PM	ICT Career Camp & Job Fair
	11:00 AM - 01:00 PM	-
	03:00 PM - 05:00 PM	-
	06:00 PM - 09:00 PM	Business Leaders Meet & Closing Night

VENUE

ROUNDTABLE HALL-1 (1st Floor: Beside Central Hall)

SEMINAR HALL-1 (1st Floor: Central Hall)

Policy Dialogue: How ICT Sector can save foreign currencies

Game Publishing: An untapped potential for Bangladesh

Software QA & Testing: Prospects in Outsourcing & Offshoring

Impact areas of 4IR in SDGs for Smart Bangladesh

-

-

Prospects of Data Science

Maritime Education: Towards SMART Bangladesh

Finding your purpose in Work and Life

ICT sector at the post-LDC time: The Way Forward

-

-

-

Cybersecurity posture and policy guidelines in Bangladesh

-

-

Importance of InsureTech for Building a SMART Bangladesh

Use of ICT and Inclusive Growth

Prospects and Opportunities with Japan

5G and IoT - Opportunities for Bangladesh Telecom and Software Industry

-

Can Bangladesh become the next Game Asset Creation Hub?

-

-

Artificial Intelligence in Health care, Telemedicine, and Smart Healthcare

SMART Bangladesh: Role of the ICT Sector

Smart Technology Management for Smart Bangladesh

Reaching US\$ 5 billion ICT Export Earnings by 2025

-

-



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আপনার আস্থা আমাদের শক্তি

১

আইএফআইসি ৩২.৭৬% সরকারি মালিকানাধীন একটি সার্বজনীন ব্যাংক।

২

দেশব্যাপী সর্বোচ্চ সংখ্যক (১২৩৭) নিজস্ব শাখা-উপশাখা নিয়ে এখন দেশের বৃহত্তম ব্যাংক আইএফআইসি।

৩

একমাত্র আমরাই ব্যাংক হিসেবে সর্বপ্রথম সব শাখা-উপশাখায় চালু করেছি **ওয়ান স্টপ সার্ভিস**, একই কাউন্টারে সব ব্যাংকিং সেবা দিচ্ছে নিজস্ব দক্ষ কর্মীবাহিনী।

৪

আইএফআইসি আমার কার্ড দিয়ে দেশের ১৩,০০০-এরও বেশি এটিএম থেকে টাকা তোলা যায় একদম ফ্রি। **ক্রেডিট কার্ডের উত্তম বিকল্প** হিসেবে ব্যবহার করা যায় দেশে ও বিদেশে।

৫

বাংলাদেশের ব্যাংক খাতে সম্পূর্ণ ভিন্ন মাত্রার একাউন্ট ‘**আইএফআইসি আমার একাউন্ট**’-এ আছে একসাথে সেভিংস ও কারেন্ট একাউন্টের লেনদেন সুবিধা, আছে দৈনিক জমার উপরে এফডিআরের মতো আকর্ষণীয় মুনাফা।

৬

শহর-গ্রাম সারা দেশে পাকা ও সেমি-পাকা বাড়ি এবং অ্যাপার্টমেন্ট নির্মাণ/ক্রয়ে বেসরকারি খাতে অন্যতম শীর্ষ হোম লোন বিতরণকারী ব্যাংক আইএফআইসি ৩০,০০০ গ্রাহকের মাঝে দিয়েছে ১৩,০০০ কোটি টাকা ঋণ।

৭

বাংলাদেশ ব্যাংকের লক্ষ্যমাত্রা অর্জনে কৃষি এবং ক্ষুদ্র ও মাঝারি শিল্পে অনন্য অবদান রেখে চলেছে **আইএফআইসি সুবর্ণগ্রাম** ও **আইএফআইসি সহজ ঋণ**। উন্নত হচ্ছে গ্রামীণ জনগোষ্ঠীর জীবনমান।

৮

বর্তমানে প্রায় ৯,০০০ মানুষের কর্মসংস্থান নিশ্চিত করছে আইএফআইসি। এমনকি **করোনাকালেও ৩,৭৭৮ জন নিজস্ব কর্মী নিয়োগ** দেওয়া হয়েছে।

৯

আইএফআইসি সেবা খাতে দেশের সবচেয়ে বেশি ড্যাটি প্রদানকারী ব্যাংক।

১০

যুক্তরাজ্যে নিজস্ব মালিকানাধীন IFIC Money Transfer (UK) Ltd., ওমানে Oman Exchange LLC (৪৯% মালিকানা) এবং নেপালে Nabil Bank Ltd. (যৌথ মালিকানা) সূনামের সাথে কার্যক্রম চালিয়ে যাচ্ছে ২ যুগেরও বেশি সময় ধরে।

প্রায় ৫ দশকের এই দীর্ঘ পথ পরিক্রমায় আইএফআইসি প্রমাণ করেছে তার সুদৃঢ় ভিত্তি ও শক্তি। আর্থিক সুশাসন ও গ্রাহকের আমানতের নিরাপত্তায় আমরা নিশ্চিত করেছি বিশ্বমানের প্রযুক্তি, ব্যবস্থাপনা ও দায়বদ্ধতা। লাখো গ্রাহকের আস্থা অর্জন ও তাদের এগিয়ে যাওয়ায় ভূমিকা রাখতে পারাই আমাদের সফলতা।

আমাদের কোথাও কোনো এজেন্ট নেই

☎ ১৬২৫৫ ☎ ০৯৬৬৬৭ ১৬২৫৫

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