

2020 Virtual WITSA Global ICT Excellence Awards Nomination Form

AWARD CATEGORIES:

Awards will be given to individuals, academics, businesses, NGOs, government branches etc., on the basis of particular programs, web sites, strategies of ICT / Internet deployment; i.e. the awards will not be political but technical, honoring use and implementation of technology in accordance with the criteria described below (i.e. a government per se will not be a “winner”, but one of its integrated web sites or services may be). The winners may not necessarily represent the most advanced technology solutions, but should be excellent examples of ICT deployment which have made a difference for the community of interest (whether providing public services, boosting profits or advancing connectivity):

Please note that nominees will be judged on the basis of the following criteria and weighting:

Judging Criteria	Weighting
Global Impact/Potential	30%
Scalability	30%
Innovative Features and Functionalities	10%
Proven Solution	30%

1. COVID-19 Tech Solutions for Cities & Localities

Award Criteria:

COVID-19 literally shut down the largest cities in the world, and while the healthcare industry, first responders, governments, banks, businesses, and entire populations grappled with flattening the curve, technology companies sought to create innovative solutions aimed to combat and ease the effects of the global virus.

Cities and local communities bore the brunt of the virus, causing resource strains to occur, testing the very will of the governments. Some city governments and local authorities were more successful than others in using technology to combat the virus. They effectively used technology, by employing sensors and data to trace the contacts of people infected with the coronavirus. At the same time, some cities are tracking and assisting in efforts to determine whether social distancing rules are being followed.

Some local authorities are analyzing pedestrian and vehicle flow and car park data, CCTV cameras, drones, cell phone usage and apps in order to measure social distancing and to track and

enforce quarantines. Using technology along with community-led initiatives has helped contain the growth in numbers of effected people.

This award will recognize cities and localities that utilize technology aided solutions successfully in the fight against COVID-19. The nominee must demonstrate that the adopted technologies or solutions have produced clear positive impact on mitigating the impact of COVID-19 within their geographic locations.

YOUR NOMINEES (limit two nominations per award category):

- **Synesis IT Ltd. & a2i, ICT Division**

REASONS FOR NOMINATION (please justify why you think your candidate is qualified):

Synesis IT delivers 24/7 services for medical advices, counselling, treatment, referral, linkages with health services and promotion of preventive health information at a lowest cost with quality from qualified Medical doctors, Psychiatrists, Psychologists, Counsellors & other service providers for all age population. In accordance with Government's Health 4th Five year plan of Bangladesh, e-health attempts to mitigate the health issues and specialized medical services for citizens of Bangladesh. We have founded a strong and responsive e-Health strategies for delivering high quality and effective services for supporting MoHFW and making it successful for contributing in the sustainable development goals (SDG) for Bangladesh.

As the country is struggling to fight off a coronavirus outbreak with a shortage of protective gear, BSMMU has taken initiative to introduce a telemedicine service. This platform will serve the citizens via a phone hotline where everyone in the country can get advice from 200 specialists.

The facilities will be like those of ridesharing firms-a doctor will be available to answer a patient's call and will resolve the queries regarding health remotely. Synesis IT has founded a strong and responsive telemedicine strategy for delivering high quality and effective services for supporting BSMMU and making it successful for contributing during this pandemic and in the sustainable development goals (SDG) for Bangladesh.

SUPPORTING INFORMATION: Please send any supporting information to the address above, including information from candidate (i.e. excerpt from program description, web site print-out, press release, etc.)

Attached file has been enclosed herewith to consider the award proposal:

- C-1 WITSA-COVID19-SYNESIS-A2I.pdf
And
Visit <https://www.synesisit.com.bd/index.php>

2. COVID-19 Tech Solutions for Countries or Regions

Award Criteria:

The COVID-19 pandemic has forced governments, cities, localities and whole societies to seek effective solutions in the COVID-19 battle to include digital technologies to respond to the crisis. Navigating through these challenging times requires governments to adopt an open government approach and to use digital communication channels to provide reliable information on global and national COVID-19 developments. E-participation platforms can represent useful tools to engage with vulnerable groups online and to establish digital initiatives to collectively brainstorm for policy ideas to critical social and economic challenges.

Effective public-private partnerships, through sharing technologies, expertise and tools, can support governments in restarting the economy and rebuilding societies. Developing countries, in particular, will need international cooperation and support in mitigating the crisis. Therefore, regional, national and local project-based collaborations with private sector companies, international organizations and other stakeholders are necessary. In the long-term, governments need to accelerate the implementation of innovative digital technologies such as AI-powered technology, blockchain, and drones. Investments in these technologies can tremendously support the future resilience of the health economy and the public services delivery.

National and regional governments also work and coordinate with cities and help fund the delivery of not only urgently needed medical items, but also technologies and solutions deemed essential to fight and contain the spread of the SARS CoV-2 virus.

This award will recognize countries or regions that demonstrate vision and leadership with regard to using digital tools to successfully respond to the COVID-19 crisis, including engagement with vulnerable groups as well as implementing innovative digital technologies to address not only short-term concerns, but also to grow the resilience of society against future health crises in collaboration with industry and other stakeholders.

YOUR NOMINEES (limit two nominations per award category):

- **Innovation Design and Entrepreneurship Academy (iDEA) Project**
Bangladesh Computer Council
Information and Communication Technology Division
Ministry of Posts, Telecommunications and Information Technology

REASONS FOR NOMINATION (please justify why you think your candidate is qualified):

The whole world is suffering by the Corona situation. This has created a terrible situation in almost every country in the world. Bangladesh, like other countries, is going through a tough time. Almost every field including health, food, education is being affected and different problems are being faced. As a result, the economy as a whole is going through a challenging time.

The farmers of the country are having problems in supplying or selling their products properly. The country is facing a hard situation in the supply of any commodity including agricultural products during the lockdown. Not only in the field of agriculture but also in the field of health there are many obstacles to be faced. Due to the lockdown, many people are suffering from the situation of providing medicine to the patient or contacting the doctor for his/her treatment or the medical system of the hospitals. Many are unable to get out of their homes due to the outbreak of the Coronavirus, making it difficult for them to seek medical care. On the other hand, since the country is in lockdown, students are not able to go to the schools, the colleges, or the universities. As everything has suddenly stopped, the students are continuing their educational activities from home. As a result, each case is under threat, which could create a particularly unfavorable situation in the future economy of the country.

Considering all aspects, the “Innovation Design and Entrepreneurship Academy (iDEA) project” of Bangladesh Computer Council (BCC) under the ICT Division of the Government of the People's Republic of Bangladesh has adopted three digital platforms using information technology. The project plans to implement three digital platforms, "Food for Nation" for Foodservice and supply, "Health for Nation" for Health and Medical Services, and "Education for Nation" for Education services. These three platforms have been connected with the startups of this project and several companies in the country. The government is successfully managing these initiatives with the help of the fast startups in a very short period of time. This has resulted in the facilitation of food supply to the people across the country and has begun to reap considerable benefits in the areas of health and education too. The formation of such a special platform is benefiting the general public, farmers from the center to the ends of the country and many small traders from different parts of the country. The success of these platforms has inspired people, farmers, and business persons. As a result, such initiatives can play a significant role in the country's economy. So if it is possible to get recognition in this award competition, it can set an ample example for Bangladesh and all other countries too. Since such epidemics or disasters are not man-made, it will inspire everyone to take such initiatives from the government or any other means in the future to deal with such unwanted disasters of nature. As a result, it will be a symbol of inspiration for Bangladesh.

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Attached file has been enclosed herewith to consider the award proposal:

- C2- WITSA Award Proposal- iDEA- ICTD.pdf

3. COVID-19 Best Industry Solutions

Award Criteria:

This award recognizes any companies or individuals who successfully utilize information and communications technology, artificial intelligence, big data or similar in the fight against COVID-19. Examples of solutions include telehealth apps, privacy-respecting social distancing

enforcement, contact and tracing technologies, as well as vaccine and testing solutions. The nominee must demonstrate that the technology or solution has yielded a real impact on mitigating the impact of COVID-19.

YOUR NOMINEES (limit two nominations per award category):

- **Daffodil International University**

REASONS FOR NOMINATION (please justify why you think your candidate is qualified):

The recent pandemic situation is confronting us with impulsive disruptive conditions which have a major impact on our day to day lives, commerce, and economy and dominating in our political decisions as well. We are moving through such a time where borders are closed, people are staying at home, organizations have shut down their regular activities. Therefore the entire world is facing a sudden financial crisis. To save the nation from such conditions is to take necessary health measures and go for self-isolation. In addition to detect the covid 19 infections at an early stage and take necessary measures so that it doesn't spread over others. At the early stage we didn't have sufficient tools to detect the affected cases. Also people didn't find any guidance where to go and how to test if they have symptoms of infections. At that time, when the people were searching for such a test tool. Few leaders came forward to support the government to face challenges. Mr. Md. Sabur Khan Daffodil International University and came up with the solution which was a big hope for the entire nation and helped to save many lives. The effort is very much praiseworthy and yet serving in saving many lives. Recognition for good effort may inspire the same to do again. Through the AI solutions our objective was the following:

- To help people with a tools so that they can use it for saving life
- To Save Life by identifying the disease at an early stage
- To help the Community

The solution has the following unique feature

- It is an innovation not only in Bangladesh but also in entire world in a sense that globally we may find very few solution like this and it would be standalone solution in compare to others particularly in detecting Covid
- It was a long dream to align the health services with technology which may make the health services easier. With this invention we finally make the integration. It has opened a new era too. Hopefully it will create another milestone in Health care Services.
- Usually Covid test takes time and the test process is little slow. But this innovation made the total process easier and fast. Peoples can easily find out result which is hassle free and help to save time.
- In the normal test services a person faces lot of hassles. As the Covid cases are increasing, so Health Care sector is also finding it difficult to manage everything.

Sometimes the patient has to wait for long to get their test done. Also they have to take PCR to confirm that they are not Covid affected. PCR is costly, peoples have to wait for this test and out importantly we employ the machine for this test even who doesn't need it. But if we add AI services then only the selected propels may need to do PCR, not the entire.

- The solution has been invented when there were no such solution and peoples were really looking for any systems. Therefore save lives.
- It is a easy to use systems

SUPPORTING INFORMATION: Please send any supporting information to the address above, including information from candidate (i.e. excerpt from program description, web site print-out, press release, etc.)

Attached file has been enclosed herewith to consider the award proposal:

- C3-2020 WITSA Award-Daffodil.pdf

4. Public/Private Partnership Award

Award Criteria:

This award recognizes successful partnerships between government and private sector entities in ICT. Public-private partnerships (PPPs) are a mechanism for government to procure and implement public infrastructure and/or services using the resources and expertise of the private sector. Where governments are facing ageing or lack of infrastructure and require more efficient services, a partnership with the private sector can help foster new solutions and bring finance. PPPs combine the skills and resources of both the public and private sectors through sharing of risks and responsibilities. This enables governments to benefit from the expertise of the private sector, and allows them to focus instead on policy, planning and regulation by delegating day-to-day operations.

PPPs can also help address longstanding barriers to the inclusion of persons with disabilities and the intersection with technological advancements, mitigate the negative effects from trade and technology change, as well as combatting cybercrime by leveraging multi-stakeholder partnerships to drive durable solutions and improve cooperation with industry and other stakeholders through information sharing initiatives, capacity-building programs, by employing responsible and equitable security vulnerability disclosure and remediation practices, and by jointly fostering technology innovations and investments that address global security challenges.

Other areas of private-public partnerships include new partnership opportunities with the ICT sector to deliver the technological transportation breakthroughs of tomorrow. PPPs can also help develop Local Innovation Ecosystems: The success of innovations often depends on the strength

and development of the local innovation ecosystem, and public-private partnerships as government tools can effectively build ecosystems in a short period of time.

YOUR NOMINEES (limit two nominations per award category):

- **Innovation Design and Entrepreneurship Academy (iDEA) Project**
Bangladesh Computer Council
Information and Communication Technology Division
Ministry of Posts, Telecommunications and Information Technology

REASONS FOR NOMINATION (please justify why you think your candidate is qualified):

Public-private partnerships (PPPs) are a relatively recent phenomenon which is a cooperative arrangement between two or more public and private sectors, typically of a long-term nature. In other words, it involves government(s) and business(es) that work together to complete a project and/or to provide services to the population. Partnerships work well when private sector technology and innovation combine with public sector incentives to complete work on time and within budget.

Partnerships between private companies and the government provide advantages to both parties. Private-sector technology and innovation, for example, can help provide better public services through improved operational efficiency. The public sector, for its part, provides incentives for the private sector to deliver its work on time and within budget.

Considering the benefits which can be availed from PPPs mechanism, the “Innovation Design and Entrepreneurship Academy (iDEA) project” of Bangladesh Computer Council (BCC) under the ICT Division of the Government of the People's Republic of Bangladesh, with the intention of procuring and implementing public infrastructure and/or services using the resources and expertise of the private sector, has successfully taken various initiatives following the mechanism of Public-Private partnerships (PPPs). This project explored PPPs as a way of introducing private sector technology and innovation in providing better public services through improved operational efficiency.

The project with its Startup Bangladesh Banner in association with “High Commission of India in Bangladesh” and “Tech Mahindra Limited (TechM)”, which is an Indian multinational provider of information technology, organized National Hackathon on Frontier Technologies kicked off aiming to find ICT based innovative solutions. The project, in organizing this hackathon, utilized PPPs as a way of developing local public sector capabilities through joint ventures with large international firms.

Besides that the project, since its inception, has organized several training courses, seminars and workshops with a view to help to prepare and strengthen the capacity of the startups in the PPPs schemes. In these training courses, seminars and workshops iDEA project engaged private sectors and used public-private affiliation as government tools that can effectively build ecosystems in a short period. Moreover Student to Startup-Chapter 1 and Chapter- 2 are remarkable initiatives of the project where the private body worked in collaboration with the government.

It is pertinent to mention here that the project, following the mechanism of PPPs, plans to implement three digital platforms, "Food for Nation" for Foodservice and supply, "Health for

Nation" for Health and Medical Services, and "Education for Nation" for Education services. These three platforms have been connected with the startups of this project and several private companies in the country which are excellent instances of PPPs model.

Besides these, the project has signed Memorandum of Understanding with several Private and Multinational Bodies to work in collaboration with them under PPPs mechanism.

However, it is palpable that, iDEA project has by diverse ways successfully adopted the mechanism of partnerships between government and private sector entities in ICT as well as this mechanism has aided iDEA project to develop Local Innovation Ecosystems. So if it is possible to get recognition in this award competition in the category of "Public/Private Partnership Award", it can set an ample example for Bangladesh which will inspire other bodies to work following the mechanism of PPPs and hence enables governments to gain from the expertise of the private sector, and allows them to focus instead on policy, planning and regulation by delegating day-to-day operations. Consequently, it will not only lead to economic growth but also will be a pictogram of encouragement for Bangladesh.

SUPPORTING INFORMATION: Please send any supporting information to the address above, including information from candidate (i.e. excerpt from program description, web site print-out, press release, etc.)

Attached file has been enclosed herewith to consider the award proposal:

- C4- WITSA Award Proposal- iDEA- ICTD.pdf

5. Digital Opportunity/Inclusion Award

Award Criteria:

Individuals, academic institutions, corporations, NGOs or government authorities that have made a remarkable and successful effort at providing digital opportunities to those in need are eligible for this award. In order for the Digital Age to fulfill its promise, it must consider the unique challenges faced by diverse populations. Examples could include deployment of ICTs and Internet access among inner city populations, or in towns, rural areas or cities in developing and least-developed countries. This award also includes programs and initiatives that aid people with disabilities and others who face longstanding barriers to social inclusion. Digital Inclusion is defined as the “ability of individuals and groups to access and use information and communication technologies (ICTs). Digital inclusion encompasses not only access to the

Internet but also the availability of hardware and software; relevant content and services; and training for the digital literacy skills required for effective use of ICTs.”¹

This award recognizes solutions enabling accessibility for those individuals who have traditionally not benefited from ICT. This award also seeks innovative solutions that create meaningful employment through ICT for those who have traditionally been underrepresented in the labor force. Of particular interest to WITSA are applications that embed inclusion and accessibility in the original design as opposed to retrofitting existing applications.

YOUR NOMINEES (limit two nominations per award category):

- **Nagad**, The Digital Financial Service of Bangladesh Post Office

REASONS FOR NOMINATION (please justify why you think your candidate is qualified):

Digital revolution has changed the growth pace of Bangladesh in recent years. With the vision to transform Bangladesh into a country of digital economy by 2021 and a knowledge-based economy by 2041, our Honorable Prime Minister Sheikh Hasina launched Digital Bangladesh program on 2009. Solid vision of our Honorable Prime Minister and the commendable support from the Honorable ICT Adviser Sajeeb Wazed has brought about a paradigm shift across all sectors of the economy and all segments of the population to transform to a digital society. In accord with this vision, Honorable Prime Minister Sheikh Hasina has launched ‘Nagad’ on 26th of March 2019 to digitize the Bangladesh Post Office, which is the oldest financial institution in the subcontinent. We are nominating ‘Nagad’ under ‘Digital Innovation Award’ category as since inception it is providing innovative digital services like Digital KYC (Digital Know Your Customer) for Customer on-boarding, SMTAP (Send Money to Any Phone number), DMTAP (Disburse Money to Any Phone number), One TAP Account Opening etc. and just within sixteen months after launching it has grasped more than 20 million Customers.

Nagad is considered as a dynamic and secured digital financial service that facilitates daily financial transactional needs of the people in Bangladesh (both customers & non-customers). Nagad has brought very exciting and innovative services in the market to meet customer needs and demands. Within 15 months of operation, Nagad has acquired 18.6 million customers (till June’20). The YTD transaction volume is USD 2 billion (till June’20). The service is available through 160,000+ Agent points (Uddoktas) located all across the country. Nagad has already secured Tk. 100 crore transaction volume per day. Within 2020, Nagad is set out to have a customer base of nearly 35 million.

Nagad started its journey with demanding services like Cash-In, Cash-Out, Send Money, Mobile Recharge, Bills Payment and On-line & Off-line Merchant Payments. From the very beginning, Nagad serves all kinds of customers – high end customers are served through Mobile App, basic

¹https://www.ims.gov/assets/1/AssetManager/BuildingDigitalCommunities_Framework.pdf

phone users can avail services through USSD and Channel partners are served through Dedicated Apps. For the very first time in the industry, Nagad introduced revolutionary Customer onboarding feature like Digital KYC (DKYC), Send Money to Any Phone number (SMTAP), Disburse Money to Any Phone number (DMTAP), One Tap Account Opening, blending Bangla OCR (Optical Character Recognition), automated Identity verification and localized data that has minimized overall customer acquisition & life-cycle time to one/tenth of market practice as well focusing on Paper-less environment.

Financial inclusion using digital channels, therefore contributing to the socio-economic development of the country has been one of the high priorities since the inception of Nagad. Most of its activities, products and services have been customized to align with this goal. Nagad has always adopted a state of the art technology that helps offer significantly effective low cost services to the people who are yet to avail any formal financial service.

SUPPORTING INFORMATION: Please send any supporting information to the address above, including information from candidate (i.e. excerpt from program description, web site print-out, press release, etc.)

Attached file has been enclosed herewith to consider the award proposal:

- C-5 WITSA Award-Nagad.pdf

6. Sustainable Growth Award

Award Criteria:

Individuals, academic institutions, corporations, NGOs or governments that have made a remarkable and successful effort at using ICTs as a tool to promote sustainable economic growth. Sustainable economic growth shall be defined as the ability to improve the financial and social well-being without compromising the prosperity or well-being of future generations; a sustainable economy is therefore one in which economic growth is decoupled from environmental impacts. Three key challenges are climate change, resource degradation and pollution. At the heart of all three is energy efficiency and the role that ICTs may have.

YOUR NOMINEES (limit two nominations per award category):

- **PrismERP, Divine IT Limited**

REASONS FOR NOMINATION (please justify why you think your candidate is qualified):

.PrismERP has been conceived with a vision to incorporate enterprise business solutions that administer business related operations for conglomerates of all stature. Its mode of operandi

executes a centralized framework to integrate and automate all business processes of an establishment. Ergo, with the gradual passage of time, it is exponentially increasing operational efficiency and improving the accessibility and flow of information across all sectors such as financial management, inventory management, payroll management, asset management, supply chain & logistics management, sales and distribution management, paving the way to a more sustainable growth for multi-dimensional businesses.

This application functionality illustrates a broader vision in realism diversifying place & platform for any user friendly business atmosphere that interacts one stop solutions. It's a transparent user-interactive proposition that intrigues business owners to lure out achievable financial control and enriched management skills in the field of business managerial development & outsourcing. Sustainability in a solution cannot exist by itself. It requires integration with manifold peripheral factors to reach the apex of a sustainable atmosphere. PrismERP is an integration of core business modules that has the capability to organize your all-encompassing business into a single point of preference just as the top-tier real time business intelligence solutions do. With a view to attaining optimum sustainability, PrismERP allows businesses to have a lucid perception of making decisions of high gravity faster in a healthy market. It is designed to keep business management processes as black & white and transparent as possible, catering users with one stop technology to evaluate all authentic sources of information in a single architecture, a certain rational format that assures the users the inevitable possibility of reaching the height of utmost efficiency in directing the absolute worthiness of the software.

SUPPORTING INFORMATION: Please send any supporting information to the address above, including information from candidate (i.e. excerpt from program description, web site print-out, press release, etc.)

Attached file has been enclosed herewith to consider the award proposal:

- C-6 PrismERP - WITSA Awards 2020 - Sustainable Growth.pdf

7. Innovative eHealth Solutions Award

Award Criteria:

This Award recognizes Individuals, healthcare institutions, academic institutions, corporations, NGOs or governments that have made remarkable and successful efforts at utilizing ICTs as a tool to promote health and health care such as telehealth, mHealth (mobile health), eHealth or through eLearning, electronic health records, big data, legal frameworks, or social media. Solutions utilized may range from provision of information to keep citizens healthy, to support for public health in communities, care and support systems in health facilities, and from all the above the data needed to inform management and policy-makers.

YOUR NOMINEES (limit two nominations per award category):

- **MyHealthBD, Virtual Hospital of Bangladesh**

REASONS FOR NOMINATION (please justify why you think your candidate is qualified):

According to a recent report, by 2026, the global telemedicine market is expected to exceed 175 billion US dollars*.It is influenced by different factors such as the aging population, chronic diseases, rising healthcare expenditureper capita, and technological innovations that provide healthcare reach in rural and remote areas.The phenomenonof virtual hospitals, however, goes beyond just telemedicine. The virtual hospital is a product of the technologyrevolution that the world is now experiencing. It is an innovative health medical application that incorporates theinternet of things (IoT), artificial intelligence and online treatment process to provide patients with the mostsignificant degree of comfort and the finest standard of treatment.

MyHealthBD, a virtual hospital developed by MySoft Limited, a local healthcare software development firm, making it easier for doctors to attend patients from anywhere.In MyHealthBD, there are specialist physician in a remote place equipped with a variety of technological tools, guiding other doctors or healthcare workers working off far away. As a central freestanding facility staffed with different hospitals and healthcare professionals, MyHealthBD brings together a number of caregivers located anywhere in the world under one connected platform.

For millions of people, MyHealthBD is a trustworthy and familiar place where they feel they can find a healing touch. It connects patients with doctors who will take good care of themselves and their families. Similarly, it allows healthcare professionals to provide remote care to patients based in another location through an internet connection and a software system. This system enables healthcare professionals to see their patients and patients' data and offer diagnosis and treatment options. A virtual hospital-like MyHealthBD can remove obstacles like distance, time, money and bridge the gap between patients and secure healthcare.

An essential benefit that MyHealthBD offers millions of patients is convenience. Now patients can book their appointment online, meet their consultants virtually through telemedicine, access their electronic medical records through patient portals, ambulance service, home sample collection for diagnosis etc. All these things make their life easier. It will also help rural and suburban people get expert opinions virtually from a specialist doctor who maybe even further out of range. On the other hand, MyHealthBD is committed to creating a health care system that helps health care service providers to lower costs, enhance scalability, and higher quality and better health care for all

SUPPORTING INFORMATION: Please send any supporting information to the address above, including information from candidate (i.e. excerpt from program description, web site print-out, press release, etc.)\

Attached file has been enclosed herewith to consider the award proposal:

- C-7 MyHealthBD Proposal for WITSA 2020 Award.pdf



8. Digital Innovation Award

Award Criteria:

Disruption is changing the way we work, demanding businesses to move with speed and confidence, and continually innovate. The Digital Innovation Awards recognize businesses and entrepreneurs that have introduced noteworthy innovations in technology that advance business and IT. The Digital Innovation Awards showcase advances in the productivity and potential of business applications as well as technology that contributes significantly to improved efficiency, productivity and the performance of an organization, or more broadly helps with *Fulfilling the Promise of the Digital Age* for everyone.

YOUR NOMINEES (limit two nominations per award category):

- **Systech Smart Office Solution- Systech Digital Limited**

REASONS FOR NOMINATION (please justify why you think your candidate is qualified):

Information and communication technologies are the cross-cutting tool for all types of solutions. It has been disrupting in business and lifestyles of living beings. Internet is the key driving element for the modern-day communication. It enabled us for the analysis, intelligence, and decision-making process. Thus, a technology with internet called 'Internet of Things (IoT)' become introduced to all of us and becoming familiar. Nowadays we can make any machine/device smart with the help of IoT. By using smart things, we can create smart factories, offices, and homes.

Smart is a buzz word these days. But a complete smart system in the office is very challenging. As Systech Digital Limited always been with the latest technology and solved many problems to improve efficiency, business and lifestyles. SDL has been working on a smart office for the last few years. After development of software automation tool for office, we started working on IoT enabled devices.

A complete smart office we need to consider 42-49 parameters to monitor and control of the following compositions.

1. Smart Electrical Control
2. Environment Monitor Control
3. Security and Surveillance
4. Smart Appliances
5. Smart Communications
6. Smart Management
7. On-demand services
8. Automated services

9. Energy, Time and Cost Saving

SUPPORTING INFORMATION: Please send any supporting information to the address above, including information from candidate (i.e. excerpt from program description, web site print-out, press release, etc.)

Attached file has been enclosed herewith to consider the award proposal:

- C-8 WITSA Award 2020_Digital Innovation.pdf

9. E-Education & Learning Award

Award Criteria:

The Digital Age is requiring new sets of skills, and adoption of new models of public education that emphasize coding, programming and computer science must be adopted. Contrary to popular belief, the digital gap is widening, putting pressure on countries to catch up. Public education must adopt new approaches to lifelong learning.

This award will be given to the best electronic learning project. We seek any innovative new technological tool, or any project that uses existing electronic learning tools in an innovative way. Such projects should facilitate and support learning through the use of information and communications technology.

YOUR NOMINEES (limit two nominations per award category):

- Bijoy Digital

REASONS FOR NOMINATION (please justify why you think your candidate is qualified):

Education is the basic need for all citizens of the world from the very beginning of the human civilization. Education started as a natural process by way of learning from human to human, generation to generation and transferring knowledge from one to other. Once upon a time it took an institutional shape and the whole education system was diversified in many disciplines. Education has different disciplines like, science, commerce, arts and any more with sub disciplines. There are basis subjects language or communication skills, basis science, commerce, history etc. There are specific subjects to provide different skills to the students. Skills were targeted at the need of the time. Digitation has become the only way to have human being with Digital skills.

In our part of the world today's education was introduced by the British in the 18th and 19th century. Generally British education meant to us to have some paper books being printed as per some syllabus, classrooms with some chair-table/benches, a teacher, chalk, duster and a blackboard. In course of time in some cases Chalk Duster and blackboards became white boards-markers and afterwards replaced by Computers, Interactive boards, TVs and projectors.

In countries like Bangladesh Computer Labs were established very recently at Secondary/ Higher Secondary level for teaching Computer/ICT as a subject. Bangladesh is largely following the traditional path of providing education to the students. There was hardly any change in the traditional method of providing education to the students. Attempt to digitize classrooms were also taken at the secondary and higher secondary level and some equipment's including laptops, projectors, interactive boards etc. were supplied to some institutions. Training was given to the teachers and several content depositories was also created for storing teacher led content.

Meanwhile some developed countries, even Bangladesh started developing computer-based contents for the students. Presentation was one the method which became popular. But the reality is that presentations cannot make education interactive, multimedia and interesting. It can play some audio-video and display some slides but cannot give the real feeling of getting Digital education. Bijoy Digital thought that education should be multimedia, interactive, interesting and joyful. Thus, Bijoy Digital has developed Digital content for play group, nursery, KG, Pre School, Standard I, II, III, IV contents and working on standard V contents. These digital contents can be installed in Windows and Android based devices and can be used by the students themselves or used in the classroom through large screen TVs, Projectors, Interactive boards. Students does not need any paper book to get their education as the contents are also capable of providing evaluation method. Bijoy Digital Contents includes animation, voice, interactivity and navigating method suitable for the kids.

But Bijoy Digital has crossed all the previous concepts of providing education and created a new technology which is cheap, affordable and easily accessible. Bijoy Digital fulfills all the criteria of the award. It is unique, technology superior than any such work in Bangladesh and in the region with providing a new concept of providing education to the students to get digital skills. The technology has been implemented in local language in all relevant subjects for the kids and thus fulfilling complete need of the students. This is a milestone development of the digital age. This is so versatile that it can be implemented in villages where even internet is not available as the contents are installed in digital devices which can also run on batteries and offline.

Difference between teacher led Contents and Bijoy Digital in short are.

- 1) Bijoy Digitals Contents are developed by professional people with professional skills.
- 2) Bijoy Digitals contents are not presentation slide but an interactive programmed content
- 3) Bijoy Digitals are not simple videos but an animated professional content
- 4) Bijoy Digitals contents are integrated and audio, video, animation exercises are linked with each other
- 5) Bijoy Digital's contents are ready for self-learning
- 6) Its free and cost effective even for the classrooms and personal use.
- 7) It develops the digital skills necessary for the 4th industrial revolution.

The project of Bijoy Digital has been nominated due to the uniqueness, innovation, appropriate digital tool for education. It has become a challenge for the poor, under developed and developing countries to use appropriate technologies to transform their education to digital. They have limited resources, vast population, very poor or limited infrastructures and hardly digital literate teachers. Digitation of their education should consider all the challenges and provide an appropriate solution for that.

Bijoy Digital has considered all the issues and has developed the tools spending a huge time.

SUPPORTING INFORMATION: Please send any supporting information to the address above, including information from candidate (i.e. excerpt from program description, web site print-out, press release, etc.)

Attached file has been enclosed herewith to consider the award proposal:

- C9-E Education and Learning.pdf