



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
স্বরাষ্ট্র মন্ত্রণালয়
সুরক্ষা সেবা বিভাগ
প্রশাসন-১ শাখা
বাংলাদেশ সচিবালয়, ঢাকা-১০০০
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স্মারক নং-৫৮.০০.০০০০.০১২.১৪.০০২.১৯.৩৭৩

তারিখঃ ০২ চৈত্র ১৪২৭
১৬ মার্চ ২০২১

বিষয়: Challenges of the 4th Industrial Revolution-বিষয়ে মন্ত্রিপরিষদ সচিব মহোদয়ের সভাপতিত্বে অনুষ্ঠিত সভার কার্যবিবরণী।

সূত্র: ০১ ফেব্রুয়ারি ২০২১ তারিখে অনুষ্ঠিত সভার কার্যবিবরণী

উপর্যুক্ত বিষয় ও সূত্রস্থ স্মারকের পরিপ্রেক্ষিতে Challenges of the 4th Industrial Revolution-বিষয়ে মন্ত্রিপরিষদ সচিব মহোদয়ের সভাপতিত্বে ০১ ফেব্রুয়ারি ২০২১ তারিখে অনুষ্ঠিত সভার কার্যবিবরণী প্রয়োজনীয় কার্যার্থে নির্দেশক্রমে এসাথে প্রেরণ করা হলো।

সংযুক্ত: ২ (দুই) পাতা।

(মোঃ আবদুল কাদির)
উপসচিব

ফোনঃ ৪৭১২৪৩৩৭

ইমেইলঃ admin1@ssd.gov.bd

বিতরণ:

১। উপসচিব, পরিকল্পনা অধিশাখা, সুরক্ষা সেবা বিভাগ, স্বরাষ্ট্র মন্ত্রণালয়
২। প্রোগ্রামার, আইসিটি সেল, সুরক্ষা সেবা বিভাগ, স্বরাষ্ট্র মন্ত্রণালয়

স্মারক নং-৫৮.০০.০০০০.০১২.১৪.০০২.১৯.৩৭৩

তারিখঃ ০২ চৈত্র ১৪২৭
১৬ মার্চ ২০২১

অনুলিপি:

সিনিয়র সচিবের একান্ত সচিব, সুরক্ষা সেবা বিভাগ, স্বরাষ্ট্র মন্ত্রণালয়।

(মোঃ আবদুল কাদির)
উপসচিব

People's Republic of Bangladesh
Cabinet Division
E-Governance-02 Branch
www.cabinet.gov.bd

স্বরাষ্ট্র মন্ত্রণালয় সুরক্ষা সেবা বিভাগ সিনিয়র সচিবের দপ্তর	ইদ্যা নম্বর : ৩৭০
	তারিখ : ০৬/০৩/২১
অতিরিক্ত সচিব (প্রশ্ন ও অর্থ)	<input type="checkbox"/> অর্থের বিভিন্ন ব্যবস্থা নিশ।
অতিরিক্ত সচিব (নিরাঃ ও বহিঃ)	<input type="checkbox"/> অর্থের উপস্থাপন করন।
অতিরিক্ত সচিব (অগ্রি)	<input type="checkbox"/> পরিকল্পনা উপস্থাপন করন।
অতিরিক্ত সচিব (কোম্পা)	<input type="checkbox"/> প্রয়োজনীয় ব্যবস্থা নিশ।
অতিরিক্ত সচিব (সাদকসংক্রম)	
অতিরিক্ত সচিব (সাইন ও স্মার্ট)	
আসন্ন সচিব (সিমনসন)	সিনিয়র সচিব

Minutes of the Meeting on the Addressing Challenges of the 4th Industrial Revolution

Chairperson : Khandker Anwarul Islam, Cabinet Secretary
Date : 01 February 2021
Time : 10:00 AM
Venue : Cabinet Room (Room Number: 304)
List of Participants : Annex- A

At the beginning, Secretary, Economic Relations Division Ms. Fatima Yasmin welcomed the participants. She thanked the Cabinet Division for facilitating a very timely and pertinent meeting. She called for interactive participation of the representatives from the Government and the Development Partners (DPs) in identifying the guiding principles to cope with the challenges posed by the 4th Industrial Revolution.

2. Pointing out some of the major challenges of the Fourth Industrial Revolution (4IR), the Chairperson opined that the potential workforce might need to be reskilled and up skilled against the backdrop of the 4IR. He mentioned that the 4IR will lead to merging of physical, digital and biological world also 10 frontier technologies of the 4IR will dominate the world. Therefore, it is essential to incorporate 4IR into the country's educational curriculum particularly, in Technical and Vocational Education Training Programmes (TVET). He emphasized on the necessity of financial and technical supports from the Development Partners in relevant coping measures particularly in education and skill development.

3. The Project Director of a2i Dr. Md. Abdul Mannan delivered the keynote presentation. He highlighted on the major potential applications of 4IR technology in the areas of health, agriculture, education, disaster management and transportation.

4. Senior Secretary of ICT Division Mr. N M Zeaul Alam, informed that the ICT division is working closely with local industries and academia to deliver meaningful and relevant programs for upskilling and reskilling the workforce for them to stay globally competitive. He mentioned that Bangladesh need active cooperation, collaboration and partnership of all national and international stakeholders to become a self-sustainable digital country.



Handwritten notes and signatures:
A. M. S. V.
Khandker Anwarul Islam
2/16

5. The Country Director of UNDP, Bangladesh Mr. Sudipto Mukerjee, the Country Director of ADB Mr. Manmohan Parkash, Mr. Rajesh Rohatgi from the World Bank, Ambassador of Japan in Bangladesh Mr. Ito Naoki, Mr. Tuomo Poutiainen from ILO & the Ambassador of South Korea in Bangladesh Mr. J K Lee actively participated in the vibrant discussion. Almost all of them focused on the value of 4IR technology and Bangladesh's readiness to cope with the coming future. Importance were given to identify skill mismatches and skills gaps to take advantage of these new jobs being created by this new dimension. Utilization of the demographic dividend to build necessary skills, capacity and knowledge for the next generation was given due importance in the discussion. Needs to remove policy and regulatory gaps in terms of effective advancement of 4IR related technology was also taken into consideration. Collaboration between public and private sector was considered one of the important aspect. All the development partners were in the opinion that they will provide proper cooperation to Bangladesh's needs and demand where deemed necessary.

6. Policy Advisor of a2i Mr. Anir Chowdhury, in his remarks, identified four major takeaways of the responses coming from the development partners. Firstly, how to retain and reimagine our skills and how education should be more skills focused. Secondly, new digital leadership must also embrace big data to sustain the e-services. So, a new digital leadership for civil service needs to be created in this context. Thirdly, a lot of experimentation is needed in adopting to post-4IR economies in every ministries and agencies—and also to develop initiatives that will allow the citizens to understand the opportunities to be created in the field of agriculture, health or education. Fourthly, every ministry or agency will need to develop a dashboard where all the different data elements will come together.

7. Sr. Secretary, Ministry of Foreign Affairs Mr. Masud Bin Momen asked the need for creating a platform for the non-resident Bangladeshi experts so that they can share and transfer their relevant knowledge and expertise regarding IR and automation to Bangladesh. He also asked ERD to speed up the process of establishing the South-South Cooperation Centre of Knowledge and Innovation, which, he said, could be a hub for knowledge sharing among Bangladesh and other developing countries. Emphasizing the need for Public Private Partnership, he cited the examples of Finland, Norway, Denmark and Estonia who had appointed tech ambassadors in Silicon Valley to deal with the hi tech companies as well as the relevant regulatory and legal issues.

8. Secretary of Technical and Madrasah Education Division Mr. Md. Aminul Islam Khan, in his remarks, observed that Bangladesh should focus on realisation-based approach as well as the promotion of collaboration and cooperation.



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9. Senior Secretary of the Finance Division Mr. Abdur Rouf Talukder identified education and skills development as priority areas for coping up with impact of 4th Industrial Revolution. He also emphasized on the need of providing increased focus on research and development. In this context, he also underscored the need for collaboration between industry and universities for ensuring effectiveness of such research and development schemes. Citing the advent of digital technologies in the 1990s, he observed that 4th Industrial Revolution is also likely to create new jobs in place of the old ones.

10. The meeting came up with the following decisions:

- a) All relevant Ministries should take at least one project associated with the 4IR to tackle its challenges. All the pilot projects taken till now may be assessed for scaling up.
- b) A mapping of skills required to face the challenges and maximise the opportunities will need to be developed by concerned authorities. National Development Skills Authority (NSDA) will coordinate & guide skills mapping. If required ICT Division will provide support.
- c) A demand driven skill program matching the market needs and technology use will be the guiding principle for COMPREHENSIVE SKILL DEVELOPMENT PROGRAM.
- d) 4IR based soft skills should be included in all the tiers of education. NCTB will take necessary action.
- e) Every ministry or agency will develop a dashboard where different data elements will be presented and exercised for monitoring the 4IR initiatives.
- f) A roadmap should be developed to implement the recommendations made in the presentations.

11. The Chairperson thanked all the participants for an interactive discussion. He observed that the meeting has provided some new dimensions to ongoing discourse regarding the 4.0 IR. Lastly, he concluded the meeting with a vote of thanks to the participants.

Signed/ 28.02.2021

Khandker Anwarul Islam
Cabinet Secretary

