

বাংলাদেশ কম্পিউটার কাউন্সিল

তথ্য ও যোগাযোগ প্রযুক্তি বিভাগ

[১.৪.১] ৪র্থ শিল্প বিপ্লবের সম্ভাব্য চ্যালেঞ্জ মোকাবেলায় বিসিসি কর্তৃক আইন/পলিসি/কর্মপরিকল্পনা প্রণয়ন:

ক্র:	বিষয়সমূহ	গৃহীত উদ্যোগ	স্বল্পমেয়াদী	মধ্যমেয়াদী	দীর্ঘমেয়াদী
১.	আইন, পলিসি, কৌশলপত্র:	National Strategy for Robotics		√	
		National Internet of Things Strategy Bangladesh		√	
		National Strategy for Artificial intelligence Bangladesh		√	
		National Block chain Strategy: Bangladesh		√	
		Strategy to Promote Microprocessor Design Capacity in Bangladesh		√	
		Cyber Security strategy		√	
		Guideline of Bangladesh National digital Architecture		√	
		Post-COVID-19 National ICT Roadmap		√	
		Government of Bangladesh Information Security Manual		√	
		Data Loss Prevention (DLP) policy for NDC	√		
		software and hardware Quality testing and certification of policy		√	
২.	প্রকল্প (প্রস্তাবিত):	Establishment of the 4IR labs at 8 (Eight) regional offices of BCC		√	
		Smart Society			√
		Expansion of Software and Hardware Quality Testing and Certification Center		√	
		National Municipal Digital Service Project			√
		Modernization of Rural & Urban Lives in Bangladesh through ICT		√	
		Enhancing of the Regional Office by establishing through software finishing school & Technology lab			√
		Establishment of Center for learning innovation and creation of knowledge (Click)			√

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৩.	মানব সম্পদ উন্নয়ন:	Establishment of Digital leadership academy through Enhancing of the Digital Government and Economy (EDGE) project		√	
		Project for capacity Building of IT Engineers Global Market		√	
		Establish a "Center of Excellence" on 4IR in 10 Universities		√	
		Establish "Digital leadership Academy" by 2026			√
		1.5+ Lakh training will provide on 4IR Technologies by 2024 from BCC			√
		Knowledge support to different Govt. Organizations	√	√	√
		The following name of the courses are to take an initiative on 4IR for citizens which conduct by BCC: <ul style="list-style-type: none"> • Internet of Things (IoT) with Machine Learning • Blockchain Technology • Big Data Analytics with Hadoop • Augmented Reality and Virtual Reality (AR/VR). • Training Program on Python with AI • 3D Modeling & Printing • Software and Hardware testing and Certification with AI • Advanced Cyber Security 	√	√	√
8.	আন্তর্জাতিক ইভেন্ট/সেমিনার আয়োজন:	International Blockchain Olympiad 2021 (Won 4 awards)	√		
		National Blockchain Olympiad 2021	√		
		International Robotics Olympiad 2021 (Won 4 awards)	√		
		ICPC Regionals and World Final 2022	√		
৫.	অন্যান্য উদ্যোগসমূহ:	<ol style="list-style-type: none"> 1. Blockchain Certificate issuance and verification 2. AI based e-learning platform for programming (e-shikkha.net) 3. Blockchain based Service book Prototype developed for DPE 4. Boithok platform utilizes Recurrent Neural Network (RNN) technique with AI to detect external noises and notify users about noise. 5. Online recruitment system notifies applicants about new recruitment notices. In this case Machine Learning technique is being use to find closest match from large CV bank. 	√		

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		<p>6. Janatar Sarker portal does sentiment analysis is being use to AI to detect citizen reactions and mood pattern on government policy, programs and decisions.</p> <p>7. e-KYC software has developed using Machine Learning and AI.</p> <p>8. Facial recognition software for access control is being use data analytics and AI.</p> <p>9. IT Connect portal developed for B2B match making by BCC uses AI based Chat Bot.</p> <p>10. AI based Bangla language Tools</p> <ol style="list-style-type: none"> Bangla to IPA Automatic Converter Bangla OCR developed & Hand writing recognition system Sentiment Analysis Software in Bangla Bangla Spell & Grammar checker Screen Reader software Software for Person with Disabilities Bangla speech to text & text to speech software 			