

Sl. No.	Initiative	Challenges	Method for Overcoming Challenges	Goals	Outcome	Time Frame	Initiative aligned with Smart Index
01	Initiatives will be taken for applying any suitable tools of smart Bangladesh and 4 <sup>th</sup> IR (Automation, Robotics, AI, Block Chain Tech, Big Data Analysis, Internet of Things, 5G Internet, NanoTech, Cloud computing etc.) for efficient implementation of PPP project through identification to monitoring by data-driven decision making and technology Driven Project Monitoring supported by analytics-based early signal	Integrating analytics into project Identification through monitoring processes requires access to high-quality data and advanced analytical tools. Collaborating with data analytics experts and investing in technology infrastructure for data collection, storage, and analysis can facilitate efficient and effective project implementation.	<p>⇒ Select smart analytics software,</p> <p>⇒ Smart technology collaborates with experts,</p> <p>⇒ Provide training for staff.</p>	Improve project Identification, Feasibility Analysis, Project Structuring, Project appraisal, Procurement, Contract Management, and project monitoring efficiency and effectiveness.	Timely identification of project issues, informed decision-making, and improved project outcomes.	Analytics tool implementation within 2031, with ongoing training and refinement.	Smart Economy, Smart Citizen, Smart Government, Smart Society
02	Updating PPP project Management software and associated database and maintaining database services	Ensuring that all stakeholders can effectively use digital platforms may be a challenge, particularly in areas with limited internet connectivity or digital literacy. Providing training and support services tailored to the needs of different user groups can help bridge this gap.	<p>⇒ Implement robust data management protocols,</p> <p>⇒ Invest in security measures,</p> <p>⇒ Establish a dedicated maintenance team.</p>	Maintain up-to-date and secure Project management software and associated databases for effective decision-making.	Enhanced data quality, improved data security, and timely access to information	Implementation within 6 months.	Smart Economy, Smart Citizen, Smart Government, Smart Society

03	Implementation of innovative ideas through service simplification/digitization	Implementing innovative ideas and digitizing services may face resistance from employees accustomed to traditional methods. To address this, comprehensive change management strategies should be employed, including communication, training, and incentives for embracing new technologies and processes.	<p>↳ Conduct comprehensive awareness campaigns,</p> <p>↳ Provide training,</p> <p>↳ Pilot digital solutions in select departments.</p>	To streamline services and enhance efficiency through digitization.	Increased efficiency, reduced costs, improved service delivery.	12 months for initial awareness campaigns and training, followed by phased implementation over 2 years.	Smart Economy, Smart Citizen, Smart Government, Smart Society
04	Necessary steps are taken to bring automation of all activities (Smart Visitor Management system, Smart PPPTAF Fund management system, Project Monitoring System etc.) of PPP authorities	Achieving automation in all activities of PPP authorities requires robust technological infrastructure. Investing in suitable automation tools and platforms and ensuring compatibility across systems is crucial. Additionally, hiring or training personnel with the necessary technical skills to implement and maintain automation systems is essential.	<p>↳ Infrastructure upgrades and bring automation,</p> <p>↳ Provide training,</p> <p>↳ Collaborate with technology partners.</p>	Achieve full automation of PPP authority activities.	Improved efficiency, reduced manual errors, faster decision-making.	Implementation over 3 years	Smart Economy, Smart Citizen, Smart Government, Smart Society
05	Organization of workshops/meetings/seminars on building Smart Bangladesh	Organizing workshops, seminars, and maintaining databases require financial and human resources. Securing adequate funding and staffing, possibly through partnerships with relevant stakeholders or leveraging government budgets, can help overcome resource constraints.	<p>↳ Use digital channels for promotion,</p> <p>↳ Design interactive sessions</p>	To promote smart initiatives and foster collaboration among stakeholders.	Increased awareness, knowledge sharing, and collaborative partnerships	Quarterly workshops/seminars with ongoing promotion and follow-up activities.	Smart Economy, Smart Citizen, Smart Government, Smart Society

06	Digital platform for stakeholder interaction	Updating and maintaining databases entails handling sensitive information. Implementing robust data security measures, complying with relevant regulations, and raising awareness about data privacy among stakeholders are essential to mitigate associated risks.	<p>↳ Conduct user research,</p> <p>↳ Design with a user-centric approach,</p> <p>↳ Provide training and support.</p>	Facilitate seamless communication and collaboration among stakeholders.	Increased stakeholder engagement, improved feedback mechanisms, and enhanced transparency.	Platform development within 12 months, with ongoing updates and improvements.	Smart Economy, Smart Citizen, Smart Government, Smart Society
07	E-learning Platform for PPP (Basic and Certification)	Establishing an e-learning platform necessitates content development, platform customization, and ongoing maintenance. Partnering with educational institutions or e-learning experts and leveraging open-source or commercially available e-learning solutions can streamline this process.	<p>↳ Partner with experts,</p> <p>↳ Implement a scalable platform.</p>	Provide accessible and effective learning opportunities for Increased numbers of Enhanced PPP practitioners.	Enhanced skills and knowledge among stakeholders.	Platform development within 2026, with ongoing content updates and user support.	Smart Economy, Smart Citizen, Smart Government, Smart Society
08	Creating a "Common Platform" for PPP progress feedback	Coordination among diverse stakeholders. Ensuring transparency and accountability in feedback mechanisms.	<p>↳ Establish a multi-stakeholder committee to oversee platform development and operation.</p> <p>↳ Design user-friendly interfaces</p>	Foster collaboration and knowledge-sharing among government, industry, finance, and academia. Improve the efficiency and	Increased participation and engagement from stakeholders. Identification and resolution of challenges hindering PPP progress.	Launch the common platform within 9 months. Monitor usage and impact of the platform over the long term.	Smart Economy, Smart Citizen, Smart Government, Smart Society

			<p>↳ Provide training sessions for platform users.</p>	<p>effectiveness of PPP projects through continuous feedback.</p>			
09	<p>Training programs focused on building the skills required for the 4IR, including digital literacy, coding &amp; other technology-related skills.</p>	<p>Many individuals, especially in rural and underserved communities, may lack access to quality education and training programs focused on 4IR skills.</p>	<p>↳ Partnering with schools, universities, and vocational training centers to integrate 4IR-focused curriculum</p> <p>↳ Training programs into their offerings.</p>	<p>Ensure that individuals across all demographics and geographical regions of Bangladesh have access to training programs focused on 4IR skills.</p>	<p>A skilled workforce equipped with 4IR skills will be better prepared to adapt to technological advancements and contribute to the country's economic growth.</p>	<p>The PPP Authority aims to roll out comprehensive training programs within the next 5 years</p>	<p>Smart Economy, Smart Citizen, Smart Government, Smart Society</p>
10	<p>Ranking of TA</p>	<p>Developing a reliable ranking mechanism for Technical Assistance (TA) providers requires defining relevant criteria, collecting and analyzing data, and ensuring transparency and fairness in the evaluation process. Engaging stakeholders in the design and implementation of the ranking system can enhance its credibility and acceptance.</p>	<p>↳ Engage stakeholders,</p> <p>↳ Establish review panels,</p> <p>↳ Publish ranking methodology.</p>	<p>Provide transparent assessment of TA providers.</p>	<p>Informed selection of TA providers, improved quality of assistance.</p>	<p>Criteria development and panel establishment within 6 months, with periodic rankings thereafter.</p>	<p>Smart Economy, Smart Citizen, Smart Government, Smart Society</p>