

General Details



Category:	Innovation
Centre/State/District:	State
Name of the Head of the Organization:	DR OM PRAKASH, IAS
Designation:	MISSION DIRECTOR, SAMAGRA SHIKSHA, GOVERNMENT OF ASSAM
Name of the State:	Assam
Name of the Organization:	SAMAGRA SHIKSHA, GOVERNMENT OF ASSAM
Mobile number:	7086425900
Email:	Khanindra.acs@assam.gov.in
Office Address:*	SAMAGRA SHIKSHA ASSAM, OFFICE OF THE MISSION DIRECTOR, KAHILIPARA, GUWAHATI, PIN-781019, ASSAM
Office Phone:	<div>03612386452</div>
FAX number:	<div>03612380134</div>
Name of the Initiative/Project:*	SHIKSHA SETU, AXOM
Launch date of Initiative/Project (Period of Implementation should be from 1st April, 2022 to 31st December, 2024). Note: Data will be verified by concerned Ministry or Department in Government of India:*	<div>25-12-2022</div>



• Note: Please fill a separate application for each project

S.No.	Parameters	Yes/No	Report the innovation in not more than 50 words against selected/ticked parameter
1.*	Area of Governance impacted by the initiative/ innovation		
1.1	Environment Conservation	<div><div><input type="radio"/>Yes</div><div><input checked="" type="radio"/>No</div></div>	NA

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1.2	Water Conservation	<input type="radio"/> Yes <input checked="" type="radio"/> No	NA
1.3	Energy	<input type="radio"/> Yes <input checked="" type="radio"/> No	NA
1.4	Education	<input checked="" type="radio"/> Yes <input type="radio"/> No	Shiksha Setu, Axom is a new AI-driven innovation using facial recognition to detect 70+ facial feature points for accurate, geo-tagged teacher and student attendance, preventing proxy attendance and unauthorized absenteeism of teachers and ghost students. It enables seamless student transfers, digital teacher leave management, and predictive analysis for various decision-making.
1.5	Health	<input type="radio"/> Yes <input checked="" type="radio"/> No	NA
1.6	Women and Child	<input type="radio"/> Yes <input checked="" type="radio"/> No	NA
1.7	Sustainable Farming	<input type="radio"/> Yes <input checked="" type="radio"/> No	NA
1.8	Promoting livelihoods	<input type="radio"/> Yes <input checked="" type="radio"/> No	NA
1.9	Boosting economy	<input type="radio"/> Yes <input checked="" type="radio"/> No	NA
1.10	Improving Governance / Good Governance	<input type="radio"/> Yes <input checked="" type="radio"/> No	NA
1.11	Others, Please specify	<input type="radio"/> Yes <input checked="" type="radio"/> No	NA


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2.*	Is the innovation part of implementation of any Scheme of the District/State/ Central Government	<input checked="" type="radio"/> Yes <input type="radio"/> No	Shiksha Setu, Axom is a Assam Government initiative which has been implemented by Samagra Shiksha Assam, Department of School Education across all the districts.	<p>Supporting document</p> <p>Relevant photograph:</p> <p>Web Link:</p> <div>https://sikshasetu.assam.gov.in/</div>
3.*	Whether the initiative is a new-innovation being implemented?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Shiksha Setu, Axom is a new AI-driven innovation using facial recognition to detect 70+ facial feature points for accurate, geo-tagged teacher and student attendance, preventing proxy attendance and unauthorized absenteeism of teachers and ghost students. It enables seamless student transfers, digital teacher leave management, and predictive analysis for various decision-making.	<p>Supporting document</p> <p>Relevant photograph:</p> <p>Web Link:</p> <div></div>
4.*	Whether the initiative is a replication of an initiative already implemented with suitable update and innovation? Please mention the original	<input type="radio"/> Yes <input checked="" type="radio"/> No	Shiksha Setu, Axom is a new AI-driven innovation using facial recognition to detect 70+ facial feature points for accurate, geo-tagged teacher and student	Supporting document


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	initiative/project which is being replicated.		attendance, preventing proxy attendance and unauthorized absenteeism of teachers and ghost students. It enables seamless student transfers, digital teacher leave management, and predictive analysis for various decision-making.	<p>Relevant photograph:</p>  <p>Download</p> <p>Web Link:</p> <input type="text"/>
5.*	Is the initiative/project won any award(s) instituted by National / International organization?	<input checked="" type="radio"/> Yes <input type="radio"/> No	<p>YES. 1. National Award for e-Governance 2024 (Gold) by the Department of Administrative Reforms and Public Grievances, Government of India.</p> <p>2. Edu Tech Award at the 12th Digital Transformation Conclave (Nov 2023, Leh).</p>	<p>Supporting document Download</p> <p>Relevant photograph:</p>  <p>Download</p> <p>Web Link:</p> <input type="text"/>

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6.*	Please explain the uniqueness of the initiative/project?		<p>1)AI-Powered Facial Recognition for Attendance</p> <p>2)Elimination of Proxy Attendance &amp; Unauthorized Absenteeism</p> <p>3)Detection and Elimination of Ghost Students,</p> <p>4)Automated DropBox for Student Transfers</p> <p>5)Predictive Analytics for Proactive Decision-Making</p> <p>6)Digital Teacher Leave Management</p> <p>7) Digital tools for tracking uniform procurement.</p>	<p><a href="#">Supporting document Download</a></p> <p>Relevant photograph:</p>  <p><a href="#">Download</a></p> <p>Web Link:</p> <input type="text"/>
7.*	Who are the stakeholders/ beneficiaries and how the engagement was ensured in the scheme in which innovation is made?		<p>a) 48 lakh students Accurate records right from entry till exit from school along with seamless transfers. 2.06 lakh teachers Simplified leave approvals, reduced paperwork.</p> <p>b) Education officials at state / district/block level Real-time data for better decision-making. Engagement was ensured through consultative meetings, cascade training, helpdesks, and</p>	<p><a href="#">Supporting document Download</a></p> <p>Relevant photograph:</p>  <p><a href="#">Download</a></p> <p>Web Link:</p> <input type="text"/>

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			awareness campaigns.	<input type="text"/>
8.*	What are the stakeholder requirements and service delivery gaps that initiated the development of this innovation?		<p>Department: Needs real-time data for monitoring, eliminating ghost students, tools to prevent proxy attendance, student, teachers and school registry &amp; data-driven insights for planning.</p> <p>Teachers: Seek reduced non-academic workload, faster digital leave approvals, and timely retirement benefits.</p> <p>Students/Parents: Desire easy digital transfer processes and reliable teacher attendance.</p>	<p>Supporting document <a href="#">Download</a></p> <p>Relevant photograph:</p> <p>Web Link:</p> <input type="text"/>
9.*	What are the existing processes that needs improvement or modification?		<p>a) Inaccurate and Inefficient Attendance Tracking b) Prevalence of Proxy Attendance &amp; Unauthorized Absenteeism of teachers c) Existence of Ghost Students d) Bureaucratic Delays in Student Transfers e) Lack of Data-Driven Decision-Making f) Inefficient, Paper-Based Teacher Leave Management g)</p>	<p>Supporting document <a href="#">Download</a></p> <p>Relevant photograph:</p> <p>Web Link:</p> <input type="text"/>




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			Difficulties in schools amalgamation	
10.*	What were the perceptible improvements in the processes / systems and institution building? A comparison of the earlier status and status after implementation of innovation may be given.		<p>a) Enhanced Accuracy and Efficiency in Attendance Tracking</p> <p>b) Complete Elimination of Proxy Attendance &amp; unauthorized Absenteeism of teachers</p> <p>c) Accurate Student Enrollment with No Ghost Entries</p> <p>d) Faster, Hassle-Free Student Transfers.</p> <p>e) Proactive, Data-Driven Decision-Making</p> <p>f) Streamlined, Paperless Teacher Leave Management</p>	<p>Supporting document <a href="#">Download</a></p> <p>Relevant photograph:</p>  <p><a href="#">Download</a></p> <p>Web Link:</p> <input type="text"/>
11*	What were the steps undertaken to create awareness about the innovation among beneficiaries?		<p>A multi-channel approach ensured widespread adoption:</p> <p>1. Social Media Campaigns Educated stakeholders on benefits.</p> <p>2. Consultative Meetings Addressed concerns of teachers and officials.</p> <p>3. Hands-On Training Equipped users with digital skills.</p> <p>4. Technical Support &amp; Helpdesks Provided ongoing assistance.</p>	<p>Supporting document <a href="#">Download</a></p> <p>Relevant photograph:</p> <p>Web Link:</p> <input type="text"/>


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12.*	What steps have been undertaken for digital capacity building of the stakeholders and beneficiaries, to enable them to take full benefit of the innovation in the Scheme?		To ensure sustainability, 35 districts & 147 blocks received structured training: 1. Cascade Training Model Trained over 2.07 lakh teachers, district and block level officials 2. Provided 51,000+ Tablets Ensured smooth digital operations in schools. 3. Dedicated Helpdesks Offered real-time technical support. These measures ensured digital literacy and smooth adoption.	<p><a href="#">Supporting document Download</a></p> <p>Relevant photograph:</p> <p>Web Link:</p> <input type="text"/>
13.*	How has the innovation made the public delivery system more responsive, transparent and efficient? Relative or comparative time, etc.		a) Removal of 4 lakh ghost students and savings of 100 Crores/year to the Government. b) No more proxy attendance and elimination of unauthorized absenteeism of teachers. c) Digital leave management, PTR-based teacher transfer and seamless paperless student transfer.	<p><a href="#">Supporting document Download</a></p> <p>Relevant photograph:</p>  <p><a href="#">Download</a></p> <p>Web Link:</p>



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				<div></div>
14.*	Whether the innovation leveraged technology for making the public delivery system responsive, transparent and efficient, and if so, how?	<input checked="" type="radio"/> Yes <input type="radio"/> No	<p>Yes. a) Removal of 4 lakh ghost students and savings of 100 Crores/year to the Government. b) No more proxy attendance and elimination of unauthorized absenteeism of teachers. c) Digital leave management, PTR-based teacher transfer and seamless paperless student transfer.</p>	<p>Supporting document</p> <p>Relevant photograph:</p> <p>Web Link:</p> <div></div>
15.*	Has the innovation resulted in a seamless, faceless, end to end service delivery mechanism?	<input checked="" type="radio"/> Yes <input type="radio"/> No	<p>Yes, Shiksha Setu ensures effective attendance tracking, elimination of 4 lakh ghost students, proxy attendance and unauthorized absenteeism of teachers. It also has created paperless digital student transfers, digital leave management, predictive decision-making for early dropout identification, teacher retirement forecasting, PTR-based teacher transfers and school amalgamations.</p>	<p>Supporting document</p> <p>Relevant photograph:</p> <p>Web Link:</p> <div></div>

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16.*	Approximately how many people benefitted from the initiative?		Total Beneficiaries: 50 lakh plus users positively impacted. a) 48 lakh students covered, ensuring accurate attendance tracking and seamless transfers. 2.06 lakh teachers benefited from digital leave management, reduced administrative workload, and workforce planning improvements.	<p>Supporting document</p> <p>Relevant photograph:</p> <p>Web Link:</p> <input type="text"/>
17.*	Please mention whether there was any community involvement in the implementation of innovation? If so, describe how the innovation encouraged the involvement of community?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Yes, community engagement was a key factor in the successful implementation and adoption of Shiksha Setu, Axom. The initiative actively collaborated with School Management Committees (SMCs), Teachers Associations, and local education officials, ensuring smooth integration and stakeholder support.	<p>Supporting document <a href="#">Download</a></p> <p>Relevant photograph:</p> <p>Web Link:</p> <input type="text"/>
18.*	Whether the innovation is sustainable over a long period of time and if so describe the systemic steps	<input checked="" type="radio"/> Yes <input type="radio"/> No	a)Active engagement of key stakeholders, i.e. teachers, schools, government officials, and departments.	Supporting document <a href="#">Download</a>

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	taken for its sustainability?		<p>b)Digital technologies made seamless student transfers; PTR-based teacher transfers digital leave management for teachers. c)VSK and Call centre integrated with Shiksha Setu. d)51,000 tablets provided to the schools to facilitate e)Extensive training and handholding provided to teachers</p>	<p>Relevant photograph:</p>  <p><a href="#">Download</a></p> <p>Web Link:</p> <input type="text"/>
19.*	Whether the innovation implemented is able to sustain in emergent situations, disasters like cyclone, earthquake, flood etc.? Whether any such situation was actually faced and if so, how it worked?	<p><input checked="" type="radio"/>Yes</p> <p><input type="radio"/>No</p>	<p>Yes, as it is cloud-based and mobile-accessible, the platform remains operational even in emergencies. During connectivity disruptions, data storage mechanisms allow offline attendance tracking, which synchronizes once the connection is restored. The cloud-based system ensures accessibility in disaster scenarios. Offline data storage allows continued attendance tracking.</p>	<p>Supporting document <a href="#">Download</a></p> <p>Relevant photograph:</p> <p>Web Link:</p> <input type="text"/>

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20.*	Whether after implementing the innovation, any best practices were identified, which can be replicated in other projects/ area? If so, describe the best practice and where else it can be implemented?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Definitely. Shiksha Setu can be replicated in other state and national education systems and government sectors requiring digital governance. 1) Real-time AI based attendance can be adopted in other education systems and govt intuitions. 2) Predictive workforce planning is useful for multiple government departments. 3) Automated service delivery models can streamline processes in various sectors.	<p>Supporting document <a href="#">Download</a></p> <p>Relevant photograph:</p> <p>Web Link:</p> <div></div>
21.*	What was the impact of the innovation particularly with regard to its demographic reach?		Shiksha Setu, Axom is inclusive of both urban and rural populations, ensuring that even low-connectivity areas can leverage digital governance. The removal of 400,000 ghost students ensured accurate demographic data for better resource allocation. Covers urban & rural areas across Assam. Real-time AI monitoring ensures inclusivity even in low-	<p>Supporting document</p> <p>Relevant photograph:</p>  <p>Download</p> <p>Web Link:</p>

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			connectivity areas. 400,000 ghost students removed	<input type="text"/>
22.*	What was the impact of the innovation particularly with regard to its geographical reach?		Shiksha Setu, Axom has statewide implementation across Assam, benefiting 44,866 government and provincialized schools through AI-driven tools across the rural and urban regions including hilly ,riverine and difficult terrains. It ensures uniform governance, effective real-time monitoring, and digital accountability, fostering equitable education service delivery and setting a replicable model.	<p>Supporting document</p> <p>Relevant photograph:</p> <p>Web Link:</p> <input type="text"/>
23.*	Whether any third party evaluation of innovation has been made? If so, what are the results?	<input checked="" type="radio"/> Yes <input type="radio"/> No	UNICEFs independent evaluations ed significant improvements in attendance accuracy, workforce efficiency, and cost savings. The survey showed that 64% of headteachers observed improved teacher punctuality and attendance.	<p>Supporting document</p> <p>Relevant photograph:</p> <p>Web Link:</p> <input type="text"/>

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24.*	Have any steps been taken by the implementing unit for dissemination of its best practices to the District/State/Central Government? In case of :			
	a. District – Replication by other districts	<input checked="" type="radio"/> Yes <input type="radio"/> No	Yes, best practices from Shiksha Setu, Axom are being shared at the block, district and state level. District and block level officials are actively involved in monitoring and implementation of Shiksha Setu, Axom.	<p>Supporting document</p> <p>Relevant photograph:</p> <p>Web Link:</p> <input type="text"/>
	b. State - Dissemination in any State or Central Government scheme	<input type="radio"/> Yes <input checked="" type="radio"/> No	NA	<p>Supporting document</p> <p>Relevant photograph:</p> <p>Web Link:</p> <input type="text"/>
	c. Centre - Dissemination in any Central Government scheme	<input type="radio"/> Yes <input checked="" type="radio"/> No	NA	<p>Supporting document</p> <p>Relevant photograph:</p> <p>Web Link:</p> <input type="text"/>
25.*	Whether any toolkit has been prepared for bringing about the replication of the innovation in other Districts/ States/Central Government	<input checked="" type="radio"/> Yes <input type="radio"/> No	Yes, a comprehensive replication toolkit has been developed, including training modules, implementation guides, and technical documentation to	<p>Supporting document</p> <p>Relevant photograph:</p> <p>Web Link:</p> <input type="text"/>



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	departments? Explain its features.		support other states in adopting similar initiatives. a) Toolkit includes training guides for seamless implementation. b) Technical documentation provided for software adoption. c) Scalability framework for other states & sectors.	
26.*	What is the grievance redressal and feedback mechanism available to citizens to report any grievances as part of the innovation?		A multi-tiered grievance redressal system has been established, including helpdesks at the block level, a centralized technical support cell, and real-time feedback integration in dashboards. 1) Helpdesks at block levels for immediate support. 2) Centralized grievance cell for technical issues. 3) Feedback integration in real-time dashboards.	<p>Supporting document</p> <p>Relevant photograph:</p> <p>Web Link:</p> <input type="text"/>
27.*	Any Outstanding point which is not covered in the above points (Maximum 5)			
27.1	1		1) Shiksha Setu, Axom received the National Award for e-Governance 2024 (Gold), presented by	<p>Supporting document <a href="#">Download</a></p> <p>Relevant photograph:</p>

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			the Department of Administrative Reforms and Public Grievances, Government of India recognizing its role in transforming education governance through AI-driven attendance, elimination of ghost students, predictive analytics, and digital service delivery.	<p>Web Link:</p> <input type="text"/>
27.2	2		The initiative has been honoured with the Edu Tech Award at the 12th Edition of the Digital Transformation Conclave held on 24th November 2023 in Leh, in collaboration with the Information Technology Department, UT of Ladakh.	<p>Supporting document</p> <p>Relevant photograph:</p> <p>Web Link:</p> <input type="text"/>
27.3	3		Shiksha Setu drives Business Process Reengineering (BPR) in Assams education system by digitizing school operations for efficiency and transparency. It eliminates manual paperwork, and streamlines and	Supporting document



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27.5	5		NA	<p>Supporting document</p> <p>Relevant photograph:</p> <p>Web Link:</p> <div></div>

28. Provide link of the video (Duration 3-5 minutes), if any, relating to the innovation done:

[https://drive.google.com/file/d/1qsy8xkFKUkjtqxqDfbh9KO2DppQssZad2/view?usp=drive\\_link](https://drive.google.com/file/d/1qsy8xkFKUkjtqxqDfbh9KO2DppQssZad2/view?usp=drive_link)

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☒ I, hereby, certify that the information and particulars furnished above are true and correct to the best of my knowledge .The nomination form is submitted on behalf of the DC/DM.

Name:

DR OM PRAKASH, IAS

Designation:

MISSION DIRECTOR, SAI

Place:

GUWAHATI, ASSAM

Date:

13/02/2025