

AEBAS Implementation In Haryana

A Quick Smart Move

Haryana is one of the foremost States of India to kick-start ICT initiatives under the Digital India Programme of GoI. The State made a quick move to implement Aadhaar Enabled Biometric Attendance System at all the departments and organizations of the State to monitor and examine punctuality of employees. This real-time system is non-repudiating and help to provide comprehensive attendance reports.



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The Aadhaar Enabled Biometric Attendance System (AEBAS) has been implemented by NIC, DeitY in the Central Government Ministries/Departments of Delhi under the prestigious Digital India Programme of Government of India, beginning October 2014. The Chief Minister of Haryana has launched Aadhaar Enabled Biometric Attendance System (AEBAS) on 2nd May 2015 in Haryana Government Secretariats, all District Mini Secretaries and 7 Departments/PSUs in Phase-I. The national team at NIC Delhi/Pune has customized this central attendance system for Haryana government and provided all requisite Technical Support for its implementation.

Phase-II and Phase III implementation started from June 2015 and July 2015 respectively. Haryana is the first Government to start implementation of the National standard AEBAS (which is implemented by Govt of India) on such a large scale. Prior to this, only Jharkhand State has implemented their own Aadhaar Enabled Biometric Attendance Software in 2013.

AEBAS system provides non-repudiating and accurate record of attendance and has a dashboard with MIS that allows viewing of individual specific record of attendance as may be required. The implementation of system in Central Government in Delhi



“ The NIC-Haryana, a close technology partner of the Haryana government facilitating the line departments on e-Governance and ICT services was assigned the responsibility of implementing Aadhaar Enabled Biometric Attendance System in Haryana Government offices. I am happy to note that AEBAS implementation is done in mostly all government departments including Schools, Colleges, Polytechnics, ITIs, Municipalities, Health centres etc. by the dedicated team efforts of NIC Haryana.

I appreciate the NIC Haryana team, headed by Mr. Ghan Shyam Bansal, SIO, for their positive contribution and proactive ICT support services. ”

KESHNI ANAND ARORA
Addl. Chief Secretary, E & IT, Haryana

had a significant positive impact on attendance of employees, bringing more discipline & punctuality in the government offices.

AEBAS IMPLEMENTATION COMMITTEE

For the smooth implementation of AEBAS, an implementation commit-



Demonstration of Attendance Kiosk to CM Haryana during the AEBAS inauguration at Mini Secretariat, Panchkula

tee has been constituted by Chief Secretary Haryana headed by ACS, IT.

The Technical Nodal Officers have been designated in each department and have been provided the requisite training by NIC-Haryana Team on administration of web portal, operations & management of portal activities, training on configuration of BAS devices (Finger Print, Iris devices, Integrated BAS Tablet, Wi-Fi Access Point etc.).

Hartron has procured biometric devices and taken up their installation at identified locations. While the State IT department has facilitated the project implementation, the monitoring & coordination are being done by the State's Nodal Office for this project.

FEATURES OF AEBAS

- BAS is based on Aadhaar authentication
- BAS facilitates real time monitoring and comes with a comprehensive MIS
- The system is robust and self-sustainable to short power cuts as it uses tablets at front end.
- Time taken for authentication is 1-2 seconds on Wi-Fi.
- BAS is securely integrated with SMS communication channel. Every time a new user registers on the system, an SMS is generated and sent on his/her mobile.

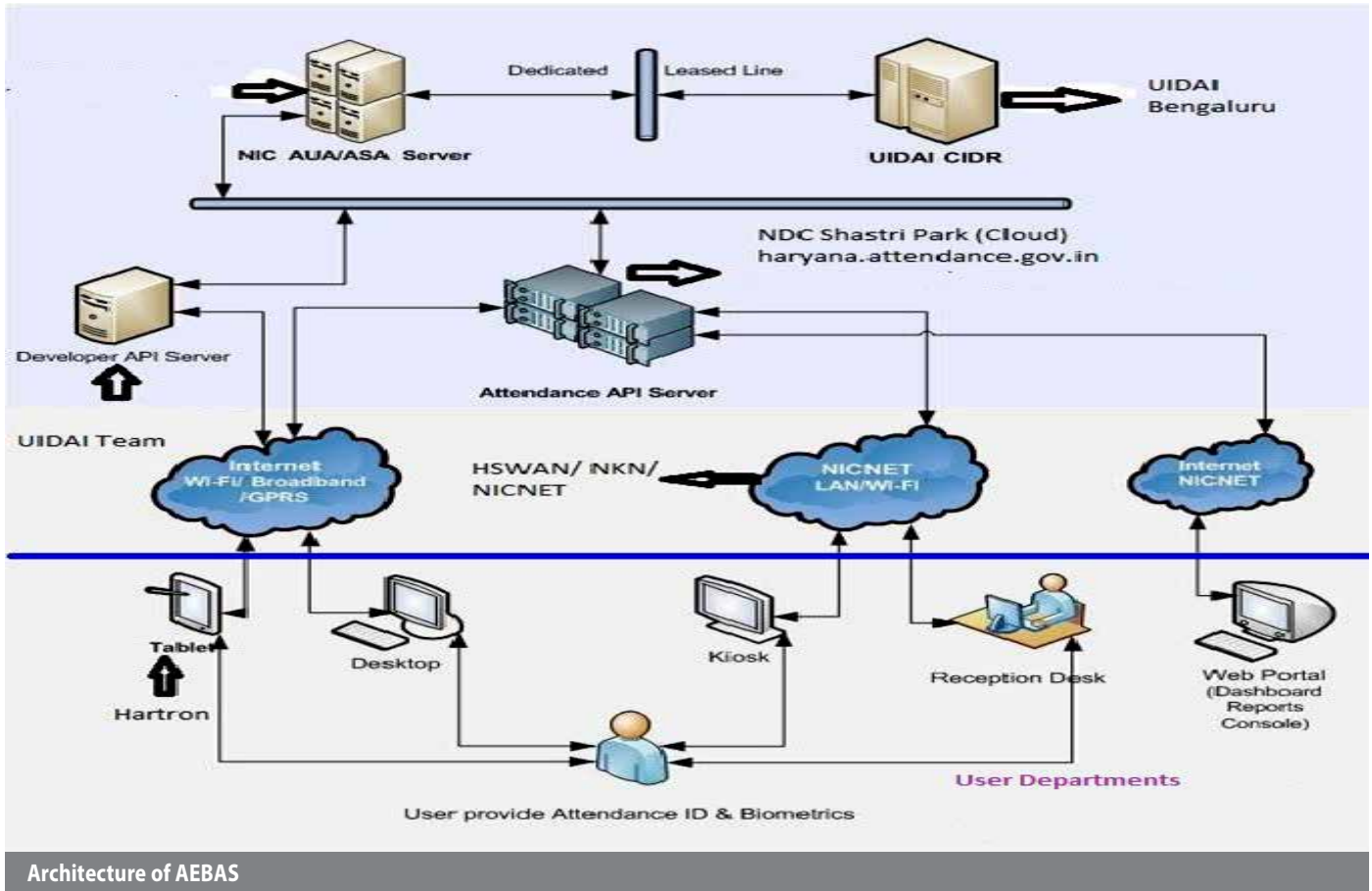
HOW AEBAS WORKS

- To start with, an organization need to register and on-board it self on the portal in which details of organisation and nodal officer are to be furnished.

- Employees register themselves on the portal to get 8-digit attendance ID which is based on Aadhaar Number (generally last 8 digits of Aadhaar number). Each employee is required to have his/her valid Aadhaar number, employee details (name, designation, office, reporting officer, mobile, email etc.) and a recent photograph.
- Employees use their attendance ID to mark their attendance on biometric sensors installed at the premises of every CG offices.
- The application prompts employees to provide biometric data via fingerprint or iris scanner which will be sent to backend system for authentication. After successful authentication message will appear on the screen.

IMPLEMENTATION PROCEDURE

- **Organization On-boarding:** To start with, designated Nodal Officer of an organization need to register itself on the portal organization need to send an duly filled on-boarding form through email to helpdesk. On boarding form can be obtained at <http://haryana.attendance.gov.in/assets/doc/organizationregistration.pdf>. The web portal of the organization is created in 2 working days and user ID and password are sent to nodal officer through Email and SMS.
- **Procurement of Biometric Devices:** The nodal officer need to calculate the number of biometric devices required and send purchase order to Hartron.
- **Masters Entries and Employee Registration:** The nodal officer need to login to the attendance portal and perform the master entries on the portal regarding office locations, employees' designation and device location after which the employee can be registered on the portal.
- **Application Installation and Marking of Attendance:** The nodal officer needs to go through installation document provided to them and install the biometric attendance application on the computer or tablet. If any problem is occurred during installation they can call the helpdesk. After installation and activation of the Biometric Attendance Application, the employees can mark their attendance using Attendance ID provided to them through SMS and Email.



Architecture of AEBAS

TRAINING PROGRAMS AND DOCUMENTS

NIC Haryana has conducted a series of training programmes for the technical nodal officers of various departments of Haryana Government. During the training sessions, the nodal officers have been imparted with the step-by-step information for implementation of AEBAS to enabling

them for AEBAS implementation at their respective organizations. NIC Haryana facilitates further training to nodal officers if required. Detailed documents for implementing AEBAS have been prepared and nodal officers having basic operating knowledge of computers can use these documents for implementing AEBAS.

STATUS

(As On 1st March 2016)

The Aadhaar Enabled Biometric Attendance System has been implemented throughout the State for permanent and ad-hoc employees of the State Government. All the employees of the State have registered at the attendance portal, except for certain remote areas. Haryana has become the first State in the country to successfully implement AEBAS to a vast extent and ranks ahead of Central & other States' AEBAS.

Attendance Portal	Employees Registered	Attendance Marked (Approx.)	Devices Installed
CG Offices (Delhi)	179169	78000	5485
CG Offices (Outside Delhi)	255154	63000	7825
Haryana State	280949	125000	10653

Major AEBAS Attendance Portals – A statistical comparison (as on 1st March 2016)

For further information, please contact:

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