

**CASE STUDY:****RFID Based Attendance Management System for UP Sanskrit Sansthan, Lucknow, Uttar Pradesh****Overview:**

Uttar Pradesh Sanskrit Sansthan, located in Lucknow, Uttar Pradesh, is an institution dedicated to promoting Sanskrit language, literature, to organize meetings, poet meets and cultural programs related to various aspects of Sanskrit language, assist in publication of important compositions of Sanskrit writers, financial assistance to veterans and more.

The institution sought to modernize its attendance tracking system for students, faculty, members & staff, aiming to improve accuracy and efficiency in attendance management.

**Challenges:**

Challenges for the execution of successful RFID Based Attendance Management System for UP Sanskrit Sansthan, Lucknow, Uttar Pradesh :

- Integrate the new system with the existing infrastructure, including the institution's IT systems and databases.
- Ensuring that all people adapted to the new system smoothly, given that it was a significant shift from the traditional methods.
- Maintaining high accuracy in attendance data capture to avoid discrepancies.
- Balancing the project's costs with the available budget.

**Technologies:**

PHP, Codeigniter, ReactJS, MySQL, Cloud Based Server, RFID Readers & Cards etc.

**Benefits Achieved:**

- Automated system significantly reduced the time and effort required to record attendance.
- Errors in attendance records were minimized, providing reliable data for administrative purposes.
- RFID technology helped prevent fraudulent attendance marking, ensuring that the attendance records were accurate and secure.
- Administrators could access up-to-date attendance information, facilitating better decision-making and management.
- The system was designed to be scalable.
- Centralized data repository.
- Automated reminders and notifications ensured timely actions.

**Requirements of the project:**

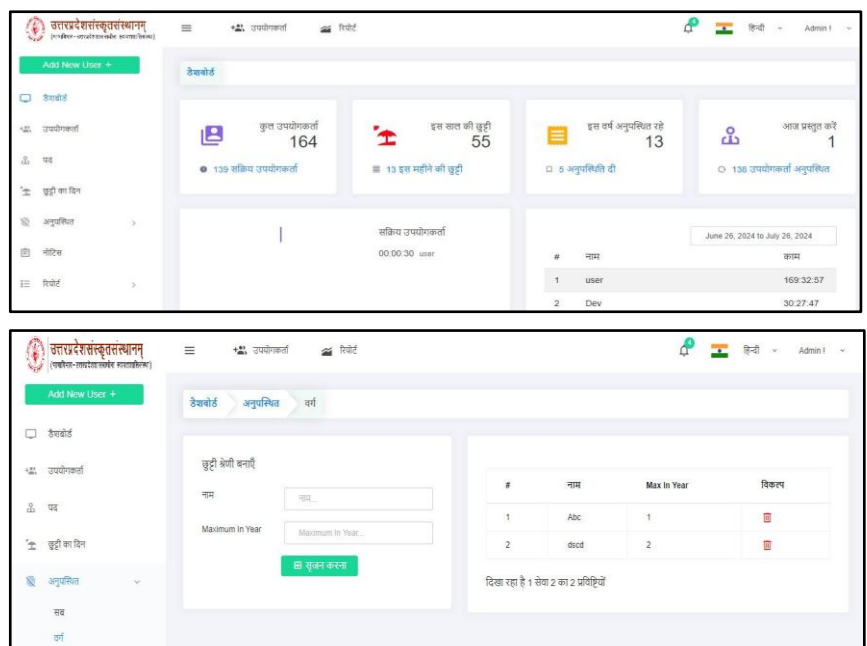
- Replace the manual attendance system with an automated one to reduce errors and save time.
- Enable real-time monitoring and reporting of attendance data.
- Develop an easy-to-use interface for administrative staff to manage and access attendance records.
- Ensure the system is secure, preventing unauthorized access to sensitive data.

**Approach:**

Approach for the execution of successful RFID Based Attendance Management System for UP Sanskrit Sansthan , Lucknow, Uttar Pradesh:

The solution involved developing a creative web based application (as advised).

- A detailed analysis followed by the planning of system design.
- System architecture that included RFID readers, RFID cards, a central server, and a user interface.
- The system was designed to work with passive RFID cards, which were to be issued to students, staff etc.
- The system was deployed in phases to manage the transition smoothly.



#	नाम	काम
1	user	169:32:57
2	Dev	30:27:47

#	नाम	Max In Year	विकास
1	Abc	1	
2	abcd	2	