

# *RFID Based Automated Attendance System And School Management*

Presented By :



*Innovative Solution*

## **SPINBIT TECHNOLOGIES**



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## SPINBIT AT A GLANCE :

- SpinBit is one of the fastest growing IT organizations in Educational Sector of K-12 Schools, Online Assessment, Web Services, e-communication system, Security Management system and Digital Solution provider.
- With more than 20+ service modules, SpinBit support a school to convert into a SMART SCHOOL.
- Incorporated in year 2017 & in process for listing in *#startupindia* campaign.
- Regd. Office in Greater Noida.
- Offered Services :
  - Software Development
  - Web development
  - Mobile App development
  - Biometric Capturing
- Key Products :
  - RFID based Attendance system
  - ERP system for School and Parents
  - Online Application receiving and processing for Admission.
  - Online Fee Management
  - Online Examination and Assessment System.



# WHY USE RF ATTENDANCE :



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- Nearly 58,000 students go missing from school in India every year.
- The Automated Attendance system sends an instant SMS to the parents/ guardian that the student has reached school or is leaving school... or even if the child has not reported
- Roll call in educational institutions and offices consumes considerable amount of time and resources.
- Schools can overcome this inefficiency and address the problem adopting RFID based attendance.
- Though this traditional attendance management is still popular in many a school, the concept of the use of RFID based attendance system is gradually gaining momentum in city schools.
- This stand-alone project aims to solve this problem by automating the attendance system which will automatically record the attendance.
- The teacher need not maintain attendance records by manually calling out roll numbers or names of each student in class at the start of the day or after lunch hours.



# WHAT SPINBIT FACILITATES :



- RFID tag serves as a unique identification card for each student.
- It automates - Process of student registration and ID card printing
- Attendance recording
- Daily SMS to parents
- Data processing on Attendance server
- Attendance report for school.





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## WE OFFER TWO TECHNOLOGIES FOR ATTENDANCE :



- ➔ ○ **L.F Low Frequency**  
If your students below 300 We use L.F



- ➔ ○ **UHF Ultra High Frequency**  
If your students more then 300 We use U.H.F



# WHAT IS UHF ATTENDANCE ?

UHF RFID based Attendance Management System is based on RFID technology for monitoring the presence of employees, visitors or other persons that are issued a RFID Tag. The unique features of this system are:



- Hands free Operation with reading range of 4-5 meters
- Multiple & fast detection of students/employees
- Integrated attendance system with readers at multiple locations
- Display of photo, name, designation and time on the display panel
- Optional Audio Warning to late comers
- Attendance report generation.
- Cost effective & convenient





# HOW IT WORKS :

## Working Mechanism



- We just change your student's normal ID card and give our UHF RFID card. The information related to the student will be attached to the smart card. When the student enters the school with card the reader at the gate will automatic detect the card. The reader will detect the card and intimate the system and system will recognize the tag according the information stored as per the given record. Then the system will sent notification SMS to the parents that their child has entered in the school and the same time the system will store the information for the report purpose. At the time of leaving from the school premises, the system will sent notification SMS to the parents again and will also store the data.





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# BENEFITS OF RF-ATTENDANCE FOR SCHOOL :

- It will add value to the school's image by showing the parents that you care for the security of their children. It will also reduce irregularities and bunks of the students. The system will help the authority to simplify the whole administration work, save resources and time.



- Every day school gets automatic attendance report via hard and soft copy.
- Unique Student Identity card for each student on a minimal cost.
- Staff attendance with digital payroll management systems.
- Free SMS templates with Bulk SMS facilities to sent for alert about holiday, notice, event etc
- Schools can use Library management system.
- We advertise your school profile in our worldwide most popular website







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# BENEFITS OF RF-ATTENDANCE FOR PARENTS

Thousands of students go missing from school in India every year. In nearly all these cases, the student did not report to school, or left school in time to not return home and we never knew of this until it was very late...If the parents or the school authorities could have known in time that the untoward delay/ absence of reporting is unnatural, we could have stopped the tragedy. In our system the Parents will get the notification SMS at least twice in a day so they can relax and concentrate on their work.



- Parents get instant SMS alert for holiday, notice, event etc
- Parents can check their child attendance record, payment status and marks online and also his/her classmate's topper marks.
- Improved relationship and communication between school authorities and parents



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FROM – TEAM SPINBIT



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