

Project Name: ePunjabSchool

The screenshot displays the ePunjabSchool (Management Information System - MIS) website. The header features the logo and title, along with the department name. A navigation menu is provided at the top. The main content area is divided into two sections: 'Circulars' and 'Latest Applications'. The 'Circulars' section lists four notices with dates and links. The 'Latest Applications' section features three buttons: 'Online Student Evaluation', 'Mid Day Meal Monitoring', and 'Grievances Redressal System'. Below the main content, there are four icons: 'Winner of eINDIA Award 2012 & 2013', 'APP STORE', 'Portal for Career Guidance of Students', 'Website of School Education Department', and 'Education Recruitment Portal'.

The project ePunjabSchool is unified information management system which connects not only schools but all administrative offices (State, District, Block Level) and training institutes of department of school education, Punjab. This web portal has been developed by Department of School Education – Punjab and the project has been running successfully in all Govt., Aided and majority of private schools for the last two years.

Complete profile of Staff, Students and School Infrastructure is available on the portal and updated every month by the schools. Details (General Profile, Job profile and promotions etc.) of each and every staff member of schools, offices and training institutes (DIETS & GISTCs) are available on the portal. The information available on the portal is used by various departments for monitoring, statistics and future planning. With the help of this portal, the dept. has captured information of around 50 lakh students and 2.5 lakh staff members from 30 thousand schools. Provision has been given under the portal to capture Aadhaar information of students and staff members.

This portal works as single and central point of data source for various projects as mentioned below:-

- 1) Mid Day Meal Monitoring.
- 2) Planning and monitoring of Teacher Trainings.

- 3) Apply for various pre-matric scholarship schemes.
- 4) Student registration for exams like NTSE, NMMS, PSTSE.
- 5) Staff postings positions and vacancies for recruitment and transfers.
- 6) Online account to each every staff member to apply for leave, submit transfer request and register grievances.
- 7) Centralized system for real-time student evaluation.
- 8) Monitoring of vocational education being imparted in around 400 schools across the state.
- 9) Inventory management system for school level computer hardware, CAL peripherals and Edusat equipments.
- 10) Monitoring of school level health checkups being conducted by state health department.

Some of the major modules of this project are as under:-

- 1) **Students Profile and tracking** : The complete detail of students like name, father name, mother name, date of birth, class, section, stream, caste, address etc. are captured on the portal.
 - Unique number is allotted to each student by the system and apart from this, there is provision to enter Aadhaar ID/ Enrolment ID of student on the portal. Aadhaar number is authenticated from the UID database online during the time of entry.
 - Whenever the student is entered on the portal it is verified by the system for duplicate record using Name/ Father Name / Mother Name / Date of Birth OR Aadhar Number. If a duplicate record is found, the system prompt the user with complete profile of student with location (District, School Name, School Head and his/her contact Detail).
 - Whenever student leave the school, a school leaving certificate is generated by the system and a unique certificate number is allotted. The school, where this child gets admission, can easily fetch the record of this student by using either school leaving certificate number Or Aadhaar Number (if provided and available in the system) OR by using Name, Father Name, Mother Name & Date of Birth of student.
- 2) **Staff Profile and Postings**: Complete Detail alongwith Job Profile (First Joining to Promotions) of each and every staff member of Education Department is captured on the portal.
 - Whenever the staff member is promoted from one position to another, his/her promotion related information is updated by the concerned schools and is approved by the competent authority thereafter.
 - Similarly, if a teacher is transferred or deputed to some other school, his transfer/deputation request is put in the system by the concerned school and approved by the competent authority thereafter.
- 3) **Monitoring of Teacher Trainings** : A module for the monitoring of teacher trainings is developed on the same portal. This module is linked with teachers database of ePunjabSchool Portal.
 - All trainings are conducted in DIETs / GISTCs.

- Separate Login ID and Password is provided to each training institute.
 - Trainings are planned online by the training institutes. During planning of training, the Venue, Date of training, Detail of Master Trainers, List of participants is entered.
 - The training institute can also upload study material to be used during the training programme.
 - Once the training is planned by the training institute, it is forwarded online to SCERT for approval.
 - Once approved by SCERT, SMS is sent automatically by the system to participants and Master trainers to inform them about the topic, date/time and venue of the training.
 - After the completion of training programme, the institute has to mark attendance and result of Pre/Post tests online.
 - All trainings can be monitored online from State Head Office easily.
- 4) **Infrastructure & School Facilities**: Information related to school infrastructure, building detail and school facilities are captured under this module. Information like status of school building, classroom, availability of electricity, furniture, toilets, drinking water, ramps, computers etc. are covered under this module.
- 5) **Attendance** : Attendance of Staff as well as students are marked online on daily basis. Various analysis are done based upon attendance information. Real time reports are also available at school, block, district and state level.
- 6) **School Health Checkups** : The visits of schools by the health department is monitored online. Complete schedule of health checkup visits are planned by the health department on the portal and information about whether the doctor visits the school or not is also updated on the portal by the health department. Separate Login ID and password is provided to health department and its district offices for this purpose.
- 7) **GIS Mapping of Schools** : GIS Coordinates of all the schools have been captured and plotted on MAP. Schools can be viewed on Google Map by using online GIS Mapping module available on www.epunjabschool.gov.in portal.
- 8) **Teacher's Grievances Redressal System** : A module has been provided on ePunjabSchool Web portal where teachers can submit their Grievances. Teacher has to provide some basic information for login to grievance system. These grievances are addressed by the concerned branches of education department and moreover, teachers can check the status of their grievance any time. All the pending grievances are monitored and reviewed by the higher authority on monthly basis.
- 9) **Public Grievances Redressal System** : A module has been provided with ePunjabSchool Web portal where public can submit their Grievances. The complainant has to provide his/her mobile number on which OTP is sent for verification. Once OTP is verified, a person can submit the grievance. These grievances are addressed by the concerned branches of education department. All the pending grievances are monitored and reviewed by the higher authority on monthly basis.

10) Online Student Forum

An online portal has been developed for students to ask question of mathematics. This forum provides unique platform to the students to interact with expert teachers. Questions/Queries raised by the students of class 1st to 12th on this portal are forwarded to the subject experts and reply is given to the students through SMS, e-mail or phone call by the respondent.

A group of good teachers is identified and trained for replying the queries of the students. The detail of expert teachers is entered into the system and system generates login ID and password for all such experts and sends these credentials to the teachers through SMS. These expert teachers can use online module, by login to their accounts, to see the questions/ queries raised by the students. These teachers can reply the questions directly from portal either using Direct Mail or PUSH SMS facility provided on the portal.

Questions are marked to the teachers based on the class allotted to the teachers. Questions are marked to the teachers on rotation basis means the first question will go to the first teacher, second to the second teachers and so on. The system is running successfully and students are getting benefits from the portal.