

School Education Portal, Uttarakhand

Focussing on Enabling Transparency and Efficiency in Education System

The Portal developed by NIC Uttarakhand helps Education Department in keeping the large volume of record of teachers and students at single point and therefore enable various stakeholders to access this valuable information online with a single click. The quality points of teachers maintained and generated through this portal has helped Education Department to bring transparency in existing transfer system in the State.

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Geographical spread of Uttarakhand is marked by plains and hills in the south and tough mountainous terrain in the north which defines the demographic pattern. The total geographical area of the state is 53,483 sq.km comprising 13 districts, 2 Divisions (Kumaon and Garhwal) and 95 blocks. Implementation of the state run education system face challenges born out of geographical and demographic complications. To enhance the effectiveness of the education system in vogue, it was conceived by the state Govt. to develop a web based portal which can be used as an integrated platform for the students, teachers, administration, various schemes of school education implemented in the State, citizens and the other stake holders.

With this background a portal named "School Education Portal Uttarakhand" was designed & developed by NIC Uttarakhand and implemented by the School Education Department- Uttarakhand. The portal is available on <http://educationportal.uk.gov.in>. The project was initiated in April 2015. In Uttarakhand Department of education has a unified structure covering elementary and secondary education. The other wings of School Education, Uttarakhand are State council of Education Research and Training (SCERT), Uttarakhand Board of School Education & Exams (UBSE) and District Institutes of Education and Training (DIET).

OBJECTIVES

The School Education Portal for Education Department- Uttarakhand has been conceptualized, designed and developed to ensure single point availability with easy accessibility and transparency of various services of the department up-to school level in the State. The transparent system of transfer and posting of teachers is one of the prime objectives of this



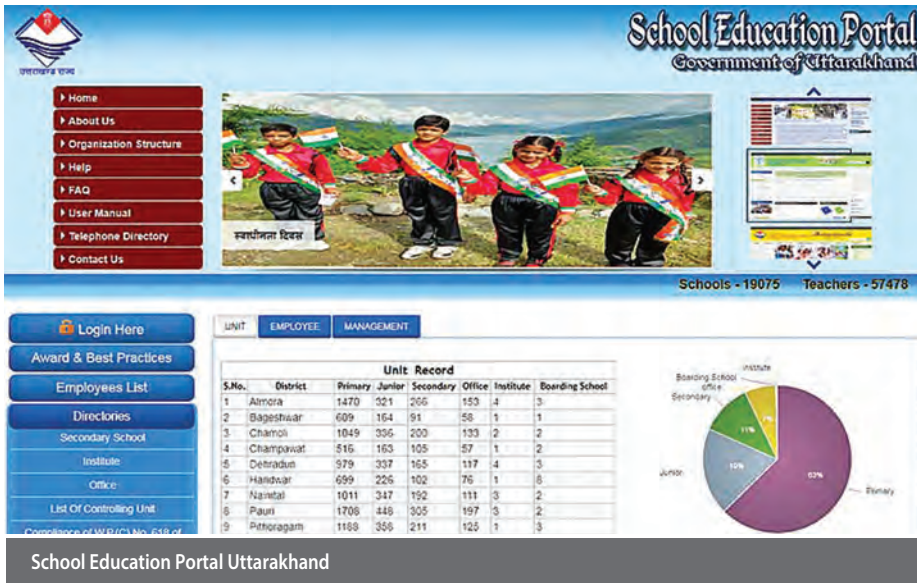
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The Portal developed by NIC Uttarakhand helps Education Department in keeping the large volume of teachers and student record at single point and therefore enable different stakeholders to access this valuable information online with a single click. The quality points of teachers maintained and generated through this portal has helped Education Department to bring transparency in existing transfer system in the State. I hope this portal will bring more efficiency in education system with prime focus on improving quality of school education in Uttarakhand.

Dr. Bhupinder Kaur Aulakh, IAS
Secretary, School Education
Govt. of Uttarakhand

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system. Digitization of enrolment of students for Uttarakhand board exam and automating exam related functions are another major area which department of school education is focusing upon through this portal.



basis of certain parameters i.e. teachers posting period in X(Sugam) and Y(Durgam) category of schools, attendance records of teacher and exam result performance in teacher’s main subject in last three years. Online requests for transfer are sought from an individual teacher who is eligible for transfer based on their quality points. After receipt of requests from all the teachers a combined graduation list is generated which is used as the main criteria for transfer in individual counseling of teacher for final transfer.

SCHOOL INSPECTION MODULE

This module is for creating and managing the inspection team, inspection schedules, online filing of reports. The main objective of this module is for keeping school inspection records in digitized form thereby improving the quality of school education in the State.

STUDENT ENROLMENT MODULE

This module captures school-wise basic details of a student such as his/ her personal details, Aadhaar number contact number, subjects etc. The student record is validated with the class-wise student enrolment.

The basic student details are further added with stream-wise subjects detail for students of class 9th and 11th for the

HIGHLIGHTS

HUMAN RESOURCE MANAGEMENT SYSTEM

This module is to manage the Employees and teachers Information like Personal details, educational qualification, joining & posting/ transfer details, trainings attended and promotion details. Other details as per service book of a teacher are also maintained in this module.

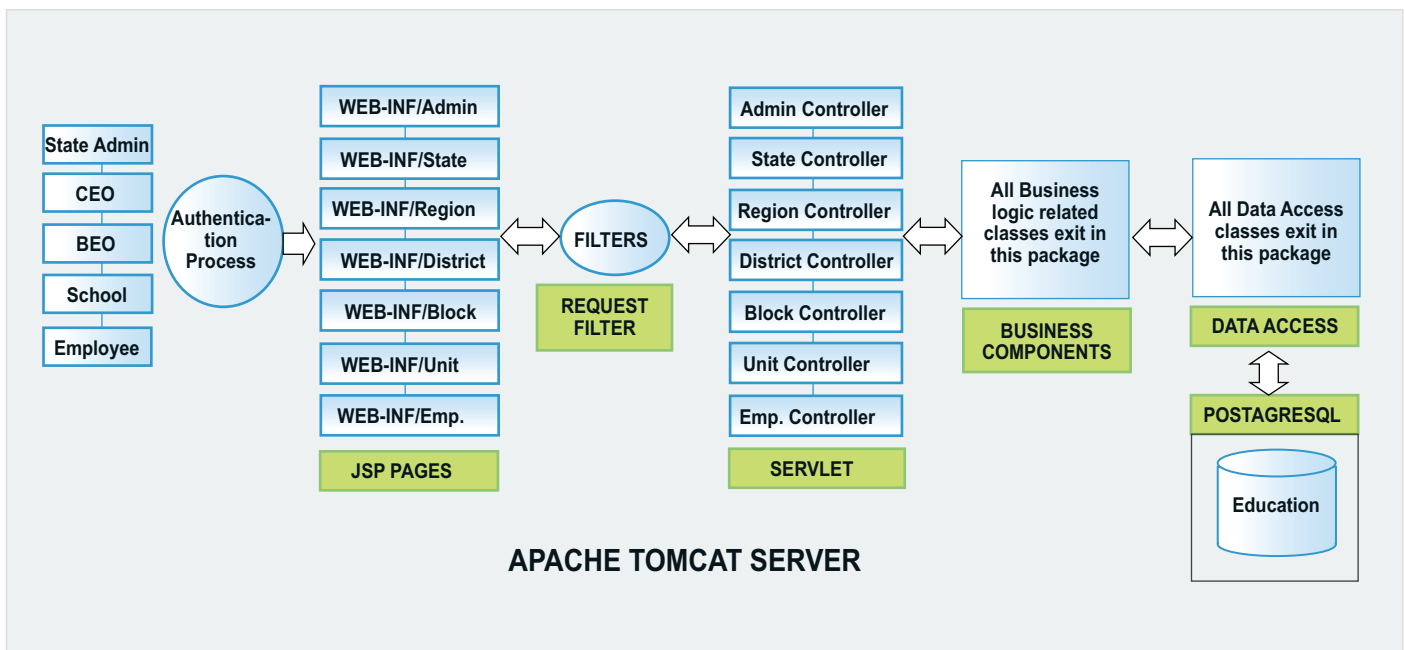
SCHOOL MANAGEMENT SYSTEM

This module captures details of govern-

ment schools like demographic details, infrastructure details, class-wise student enrolment, sanctioned post and school/unit categorization. Every school is categorized based on eleven norms and their sub-norms as prescribed by State Government. On the basis of these norms every school is categorized as X (Sugam) or Y(Durgam).

TEACHERS TRANSFER MODULE

Transfer system is primarily based upon the quality points calculated for the teachers. Quality points are calculated on the



APACHE TOMCAT SERVER

System Architecture of School Education Portal



Inauguration of School Education Portal by Hon'ble Chief Minister

purpose of Board Exam Registration. Management schools in the State are also covered under this module. Every school (Government & Management) have been provided user-id and password to enter their student's details.

BACKEND TECHNOLOGY

- **Hosting Infrastructure:**
3 VMS on MEGHRAJ Cloud
- **Language:**
Java
- **RDBMS:**
Postgres SQL
- **Web Server:**
APACHE TOMCAT
- **Framework:**
Java Netbeans
- **Operating System:**
LINUX7

INTENDED BENEFITS

• A powerful tool in the hand of stakeholders for continual improvement of the school education system in public domain. Availability of all information related to school system at one point viz., detail of students, subject-wise teachers, amenities

etc.

- An efficient tool to bring transparency in transfer/ posting policy and its implementation
- Infusing awareness for quality enhancement among the teachers as this portal makes their service data and quality points accessible to them
- A successful implementation of the portal is likely to bring a pervasive change in the quality of education system
- Public (student/ Parents) feedback mechanism about functioning of schools in their areas

FUTURE ROAD MAP

- A Daily Mid-Day-Meal Reporting System through mobile app and SMS for reporting daily real time data for Mid-Day-Meal
- Automation of Uttarakhand Board Exam related activities like online generation of admit cards etc.
- Workflow based online submission of annual performance report by teachers & officials and their assessment
- Development and integration of online module for monitoring daily work performance of identified model schools (Currently two schools identified per

block. Total 190 schools)

- Development of Geo-Tag based mobile App for daily monitoring teachers and student attendance
- Dashboards for administrators and school principals

CORE TEAM

- Capt. Alok Shekhar Tiwari, Director General, Department of School Education Uttarakhand
- Shri R K Kunwar, Director, Department of School Education Uttarakhand
- Shri Mukesh Bahuguna, Administrative Officer (Directorate), Department of School Education- Uttarakhand
- Shri Sunil Tariyal & Shri Manoj Kapkoti, Programmers
- Project Team of NIC- Uttarakhand

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