

Location Intelligence and Indian Education System

Education is the most important aspect of socio-economic and development transformation in India. Government organizations require new technologies and approaches to monitor the schools for improving the performance of Educational system and also to deliver various service schemes that are mandatory in the education sector. Location intelligence is an effective technology for planning, monitoring and decision making. It offers transparency in analysing education system at decentralized level. With the help of location intelligence, government organization can address educational challenges like allocating resources to schools, providing drinking water facilities and providing better connectivity to schools from nearby locations and many more. Location Intelligence helps to develop a spatially connected data base of existing schools network.

Challenges in Indian Education System

- ✓ Inadequate school infrastructure
- ✓ High drop-out rate
- ✓ Low literacy rate
- ✓ Poor schemes delivery and monitoring system
- ✓ Inadequate teachers ratio

Solution

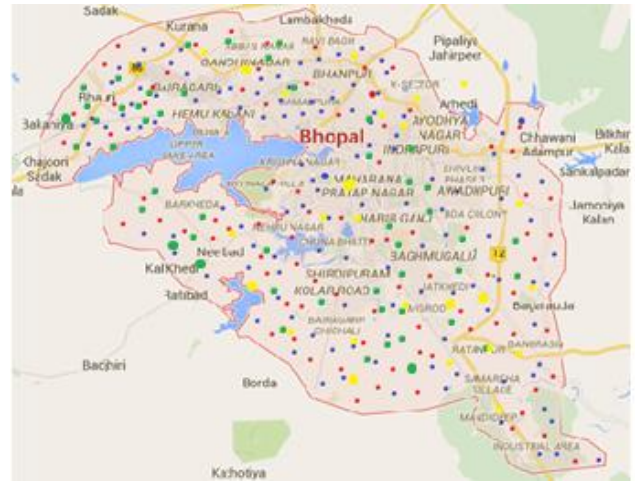
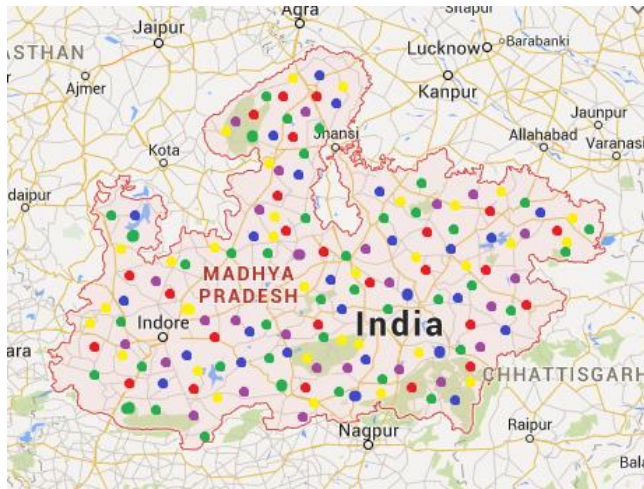
Location intelligence emphasize the capabilities of Geographical Information System (GIS) technology which will help state governments to better understand and evaluate the current educational system. Location analytics assist governments to find out possible locations on the basis of several parameter such as poor literacy rate, inadequate infrastructure, high drop-out rate, inadequate teachers ratio and many more. It will enable the governments to analyse data and take accurate and efficient decision for better future planning in educational system.

Major Objective

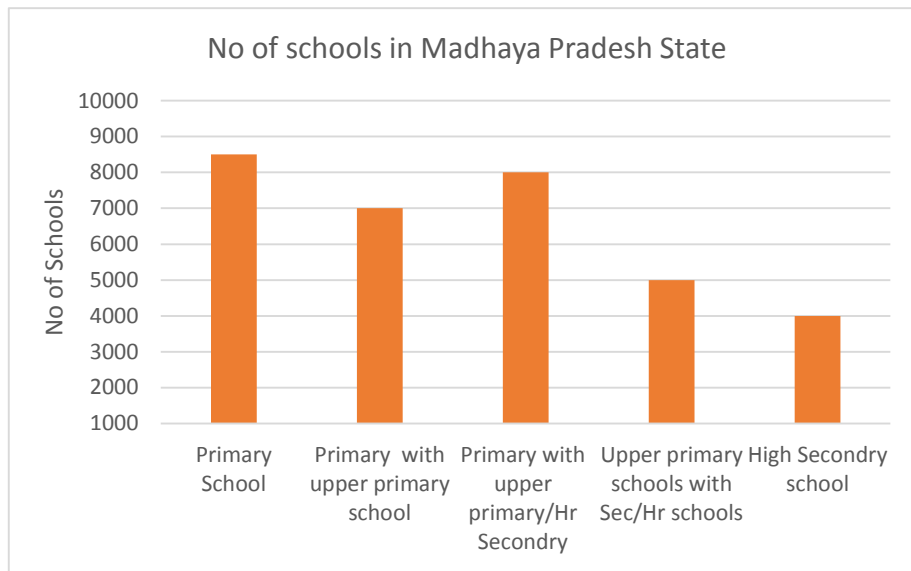
Monitoring the existing schools network of district, block & village level

India has very huge school network. About 80 percentage of schools are located in rural areas. Identifying the schools which are deprived from government services and schemes is a very difficult task. Location intelligence helps to visualize the schools based on key performance indicators so that respective organization can address the challenges faced by the schools based on various aspects such as total number of enrolments, student teacher's ratio, infrastructure and facilities. Location intelligence helps the government to identify those areas of state where services delivery is not reached so that appropriate action can be planned.

Geographical view of different category of schools in Madhya Pradesh state



- Primary Schools
- Primary with Upper Primary Schools
- Primary with upper Primary/Hr Secondary schools
- Upper Primary with Sec/ Hr secondary schools
- High secondary schools



To monitor the services and schemes delivery system

Location Intelligence is useful in the analysis and evaluation of the performance of various services and schemes which are initiated by state governments for educational system. Geographical visualization of existing schools network enable the state governments to formulate a better decision making of schools services, infrastructure facility and development of existing school network. With the help of location intelligence, governments can create educational related services and schemes delivery system which will help in better services allotment and utilization in district, blocks and village levels schools.

Perform analysis on teacher’s ratio in all type of school

State Governments want to improve educational quality at rural and urban areas. In this context states governments need to setup transparent and reliable system for monitoring the current educational system. Improvement of quality of education is strongly link with pupil-teacher ratio. Location intelligence enables the governments to identify the locations of school category wise (primary schools, primary with upper primary, high secondary etc.) and analyse pupil – teacher’s ratio. This Kind of analysis will be helped policy makers to create better schemes and plans for those areas where pupil-teachers ratio is very poor.

Accurate decision making, future educational and assets management planning

Governments of Indian have been initiated many major plans and schemes for better infrastructure development and improving the educational quality. Location intelligence can play an important role to implements and management of these plans and schemes at various level such as state, district and village. Through spatial analysis, state governments can easily identify the locations where literacy rate is very poor. To determine the area according to its performance rate it will give better prospective to state governments for decision making and develop future plans for all type of schools.