Padhe Dantewada – Likhe Dantewada

"Padhe Dantewada – Likhe Dantewada" is an intervention aimed at ensuring all the children from class 3rd to 8th should be able to read and write in Hindi and should be able to do basic Mathematics

Motivators for the intervention

- o Poor learning levels of children: It was observed in most of the children that even though they are in higher classes they are unable to read and write, unable to do basic mathematics.
- o Increasing drop outs: As the students are not able to read and write they are unable to cope up with the the studies in higher classes so net enrolment ratio is very low in classes 9th to 12th
- o Lack of child tracking mechanism: there was no system to track the individual growth of the children
- o Lack of child friendly pedagogical practices: Children were not finding education interesting so they were not showing any interest in studies

Stake holder Involvement

During implementation process, all members of school management committees, Teachers and administrative functionaries were involved to understand their requirements and issues in current process.

The development team is completely in harmony with the management team to implement the changes made on the management level to the application and web based app, so that entire process is coordinated and the last mile implementation and use takes place.
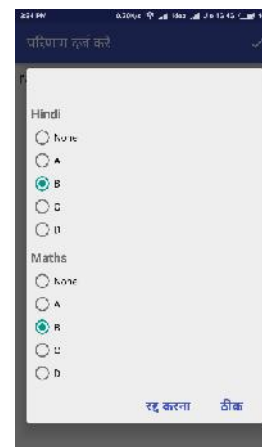
How it works

- A base line test in Hindi and Mathematics was conducted in all the schools
- Results were collected through 'PadheDantewada' mobile application
- Children were divided according their learning levels
- Special trainings were conducted for the teachers to address the issues of children from low learning levels
- Mobile application made monitoring very easier. All the schools were distributed among district, block and cluster level officers.
- Notices were given to low performing schools.
- Special courses were designed for children whose performance is continuously low.

"PadheDantewada" mobile application

For making this project success and getting the data to the top level from the bottom level we had an Android App "PADHE DANTEWADA" developed for them. The android app and the web console and is working successfully at even the most remote locations. The main objective of this entire project was to evaluate each and every student individually and get his present status and get the data accordingly.

- The evaluation of students is done at each school. These schools are situated at remote locations with no mobile network and no internet connection. The app is so made that the entire data is entered in the app even without the internet and whenever the operator finds internet connection, the data is sent to the server.

- The app captures the name, Fathers name, mothers name, school, category, gender, adhaar number, and even the photographs of the student
- When the operator enters the data in the mobile, the GPS location is tracked so that it can be made sure that he is actually present in the school. The GPS location of all the schools is already present with us in Latitude and Longitudes.
- The app also tracks the Staff members of the school, so that this information can be later used.
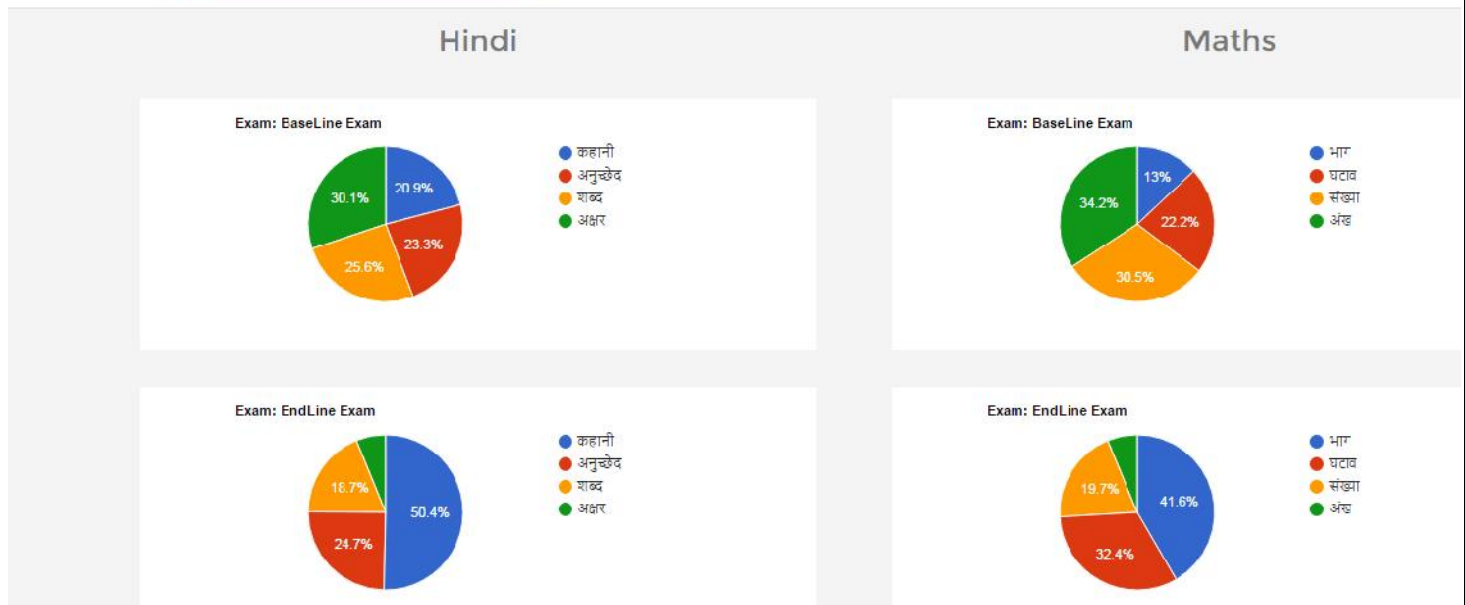- The UI is made very easy to use and the entire app is in Hindi for ease of use.

Beneficiary of the project:

All the 25,000 students from class 3rd to 8th are the primary beneficiaries of the intervention. Teachers, government functionaries are secondary beneficiaries of the intervention.

Status after implementation:

Following figures shows that only 20% students of 3rd to 5th standard were able to read hindi fluently initially. After implementing this program hindi fluently level is grown to 50.8%. we can see same in mathematics also. initially only 12% students were able to do divisions now it has

grown to 41.6%. The program is still in progress. We are aiming 75% in both hindi and mathematics. For detailed reports visit www.padhedantewada.com

To Citizen

Data is open to every one in padhedantewada website. Now all the citizens will be able to track the progress of all the schools of the district

Impact on effort: Before the implementation of this program, the entire data collection was done manually on papers and being remote area, most schools are situated far away so the user had to travel long distances to district head office to submit these data. A normal web application would have not been useful as there is limited or no internet connectivity.

Impact on time: The entire process of evaluation, data collection and then analysis used to take atleast 15 days to process as it involved travelling, manual analysis, data cleansing and compiling. The process now takes less than 2 days to complete. As soon as the evaluation tests are done, the results are visible on the admin console in the district office.

Impact on cost: The user only need to arrange a internet connection and costs of travelling to the district office is completely removed, thus greatly impacting the expenditure made by each user

CHALLENGES FACED:

Firstly, it was time taking job and there were high chances of data forging. Even it was quiet hard to verify the data.

Main bottleneck to implement this program is digital illiteracy of school teachers and education functionaries. To address this issue we have conducted trainings of all the teachers at cluster level.