Revolutionising
Education Through
Unnayan

Banka - Bihar

The government's Sarva Shiksha Abhiyan - Education for All Programme mandates compulsory education for children aged between six to 14 years. It was observed in surveys that students drop out of school before approaching high school. Those who finish high school often lack the skill set to get jobs and sustain themselves. With the motive to integrate students across India by digitising the educational process, the District Administration of Banka, Bihar launched an initiative called 'Unnayan, Banka' to make the youth more employable.

With the motto, 'Quality Education for All' - the initiative targets the youth, especially those at the bottom of the social hierarchy, using latest technologies. Many students in the district did not have access to good quality teachers or schools. The literacy rate in rural areas is 57.63%, while the average literacy of the district is 58.17% as per 2011 Census, and these 'literates' too were jobless.

The 'Unnayan Banka' initiative aims to educate everyone who feels left out

FOCUSED CONTENT
Contextualised concept videos (recommended by psychologists for better retention) of five to ten minutes. Well planned and structured subject/chapter-wise content.

COMPLETE LEARNING CYCLE
Multimedia based concept videos, continuous assessment, digital report card generation, round the clock problem solving and real time doubt discussion.

MULTIPLATFORM MODEL
Model supports various technical platforms to expand reach. Examples: LCD TV, projectors, laptops, etc., for classroom, LCD mounted vehicle for remote areas & mobile app.
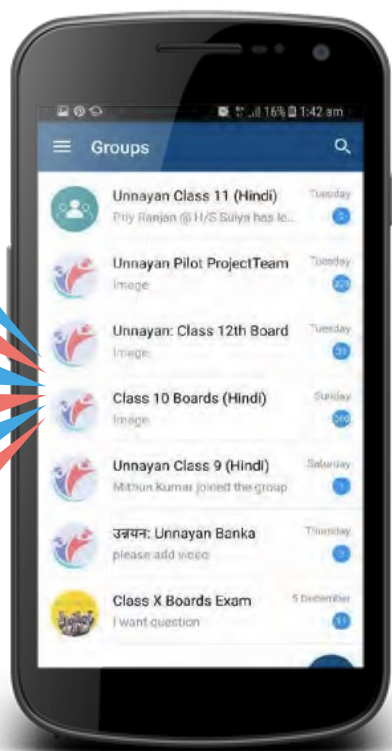
"MERA MOBILE-MERA VIDYLAYA"
10,000+ learners across India on mobile app. The model uses mobile technology to capitalise high reach of mobile internet and thus, scalability. Growing as a big virtual classroom to provide quality education to all.
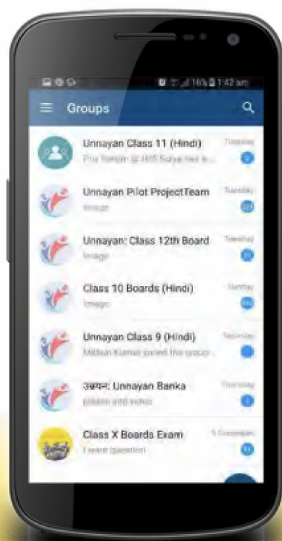
COMPETITIVE EXAM PREPARATIONS
By integrating IIT JEE, UPSC, PO, SSC exam, etc., on the mobile platform, students get benefits by using the course content as well as mock tests. They get relative ranking with the other students appearing for the tests and feedback for correction.

USE OF LATEST TECHNOLOGIES
It provides Artificial Intelligence (AI) based performance analysis, and recommendations to students for corrective action, Big Data Analytics for proper monitoring and evaluation, image recognition, screencasting, mobile tech, etc. Unnayan got 'Dr Kalam Innovation in Governance Award-2018' on January 20, 2018 at Vigyan Bhavan, New Delhi.

CHALLENGES FACED
- Lack of quality education
- Low learning outcomes
- Shortage of trained teachers
- Lack of motivation and commitment
- Poor attendance of students
- Connectivity problems
- High rate of teacher absenteeism
- Lack of accountability for ensuring quality among teachers
- Lack of monitoring and evaluation

by means of visual, audio and audio-visual aids, through mobiles, laptops, tablets and projectors, and to provide them with jobs.

Given the immense potential of mobile phones, quality education on mobile platforms makes it an 'anytime-anywhere' model that is popularly referred to as 'Mera Mobile-Mera Vidyalaya', another feature of Unnayan initiative. This initiative has more than 10,000 learners, unified in a big virtual classroom. As a part of the learning cycle, the project endorses continuous assessment (tests), round the clock doubt discussion, digital report card generation of each student, progress monitoring and tools for adaptive learning among other things. A contemporary

alternative to the traditional chalk and board method, the Unnayan scheme provides contextualised multimedia content, which is easier to understand and is retained longer.

Students from the remotest corners of the district can now have their doubts cleared by mentors from IITs, corporate field and also the best of educators from India and abroad. Unnayan is thus creating a genre of 'Collaborative Networked Learners' where peer-to-peer learning is also promoted simultaneously. For quality education, the quality of course material (content) and effective delivery to students holds the key. Mobile based platform and Information and Communication Technology (ICT),
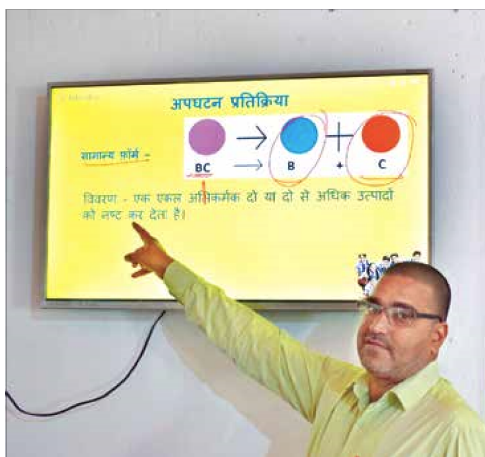
Question Asked by
Class X Student from Banka

$$\frac{(27)^{\frac{2n}{3}} \times (8)}{(18)^{\frac{n}{2}}}$$

उन्नयन
बांका

Answered by Ritesh Singh,
IIT Delhi Graduate from Delhi

FINAL OUTCOMES
- 'Bootcamp' started under Unnayan initiative provides latest and in-demand technological skills like Mobile App Development, Web Designing, Big Data Analytics, to students
- The integration of mobile technology and ICT has increased efficiency of the learning system while making it easier to monitor and evaluate
- Increased motivation among students to attend school regularly
- Easy accessibility of education through mobile based learning groups

is used for providing interesting video-based learning modules, continuous and comprehensive evaluation of student's performance and cohort learning facilities using technologies such as Artificial Intelligence and Big Data Analytics.

The mobile platform also has comprehensive preparatory kits for competitive exams such as PO, SSC, IIT JEE and UPSC Civil Services. Another innovative project under the Unnayan scheme is the 'School on Wheels', an LCD mounted van that visits LWE affected remote areas and provides specially designed Crash Course for board exams.