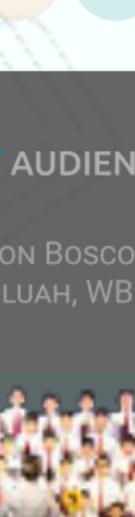


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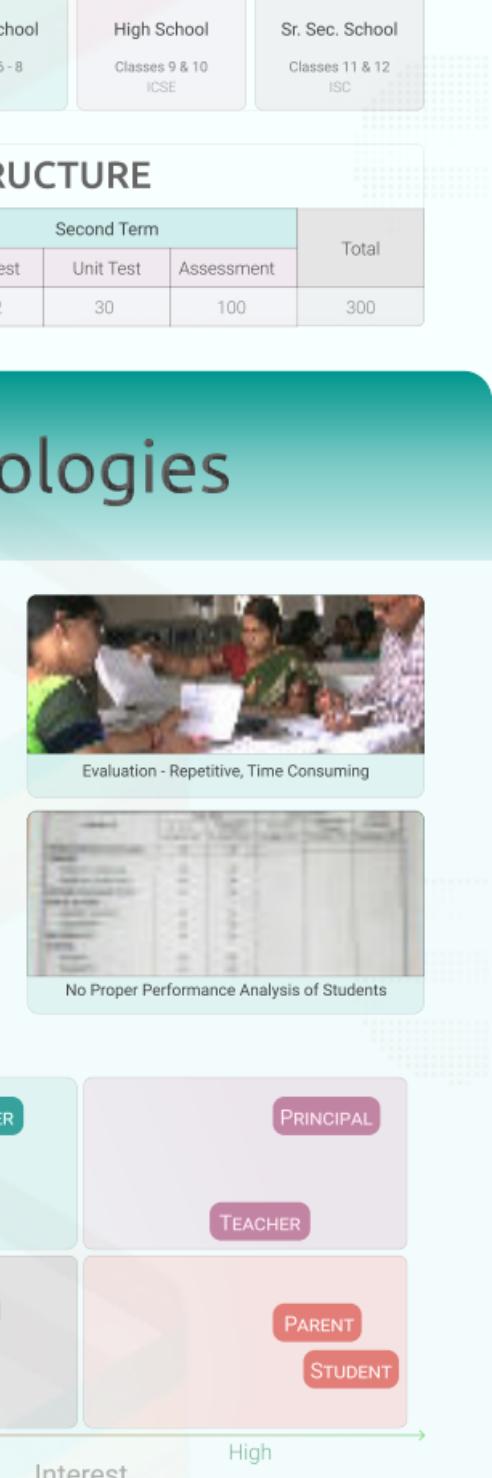
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**Ed-VANTAGE**  
Service Design & Enterprise UX

## PROJECT BRIEF

In this project, I understood the existing examination system and thereafter tried to re-engineer the examination process in order to reduce the teacher's and EDP operator's work load by using technology to automate certain processes.

A student's performance analysis is also prepared automatically to identify areas of improvement.



## DESIGN STRATEGY



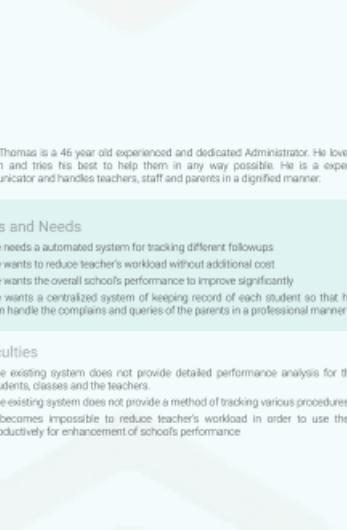
## TARGET AUDIENCE



**Don Bosco School,  
LILUAH, WB**



**STUDENTS**



**TEACHERS**



**PRINCIPAL**

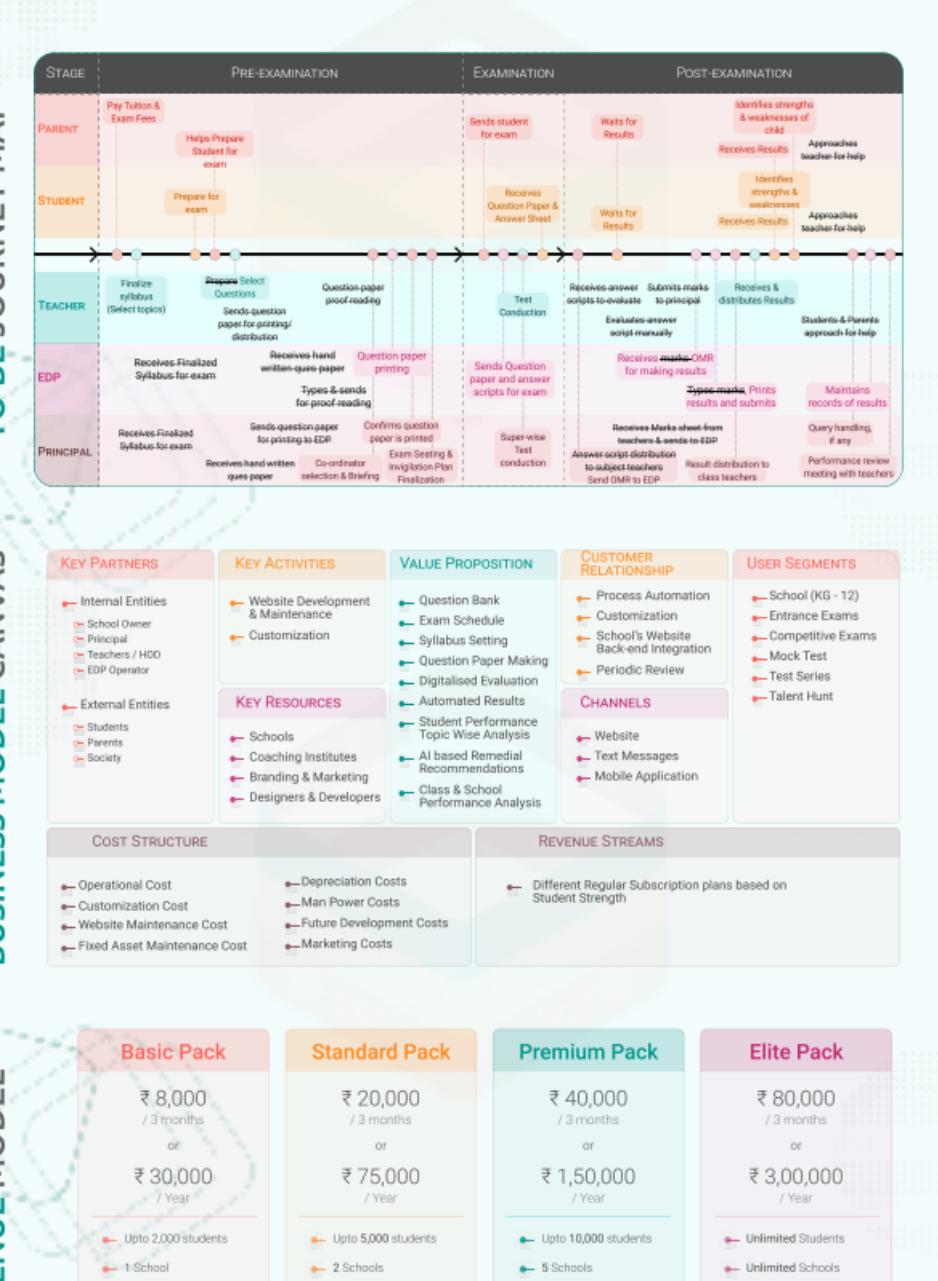
## COURSES OF STUDIES

Pre-Primary School	Primary School	Middle School	High School	Sr. Sec. School
Classes KG - 2	Classes 3 - 5	Classes 6 - 8	Classes 9 & 10 ICSE	Classes 11 & 12 ISC

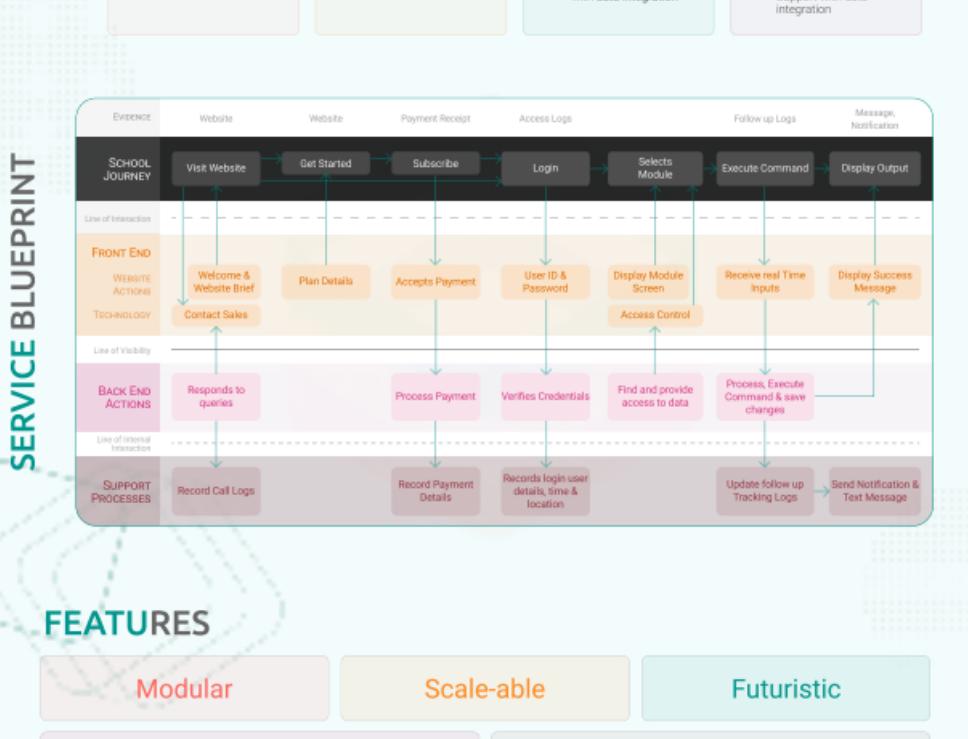
## EXAM STRUCTURE

Class Test	Term Unit Test	Assessment	Second Term			Total
			Class Test	Unit Test	Assessment	
10 X 2	30	100	10 X 2	30	100	300

## Methodologies



## STAKE HOLDER MAP



## PERSONA TEACHER

	<b>Neville Reay</b> Age - 56	<b>Bio</b> Mr Neville Reay is a 56 year old, experienced Physics Teacher. He teaches English Language and English Literature to the students of classes 9 to 12. He has special interest in Dramatics and Cultural activities.	<b>Goals and Needs</b> He wants some better system to ease the question paper preparation process. He is not happy with poor reading and wants to avoid it. He wants detailed analysis of each student's performance to help them improve on their weaknesses.	<b>Difficulties</b> He has to prepare question paper & solution answers for every exam manually. He has to manually evaluate each answer sheet. He cannot suggest specific plans for improvement to each student since he does not have detailed analysis of the student's performance.	<b>Personality</b> - Polite - Friendly - Disciplined - Helpful
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## PERSONA PRINCIPAL

	<b>P. V. Douglas</b> Age: 36	<b>Bio</b> P. V. Douglas is a 36 year old EDP Operator who is also the system administrator for all the computers in the school. He is responsible for student's data, question paper preparation, result publication and other reports generation.	<b>Goals and Needs</b> He wants a automated system for tracking different followups. He wants to reduce teacher's workload without additional cost. He wants a centralized system of keeping record of each student so that he can handle the complaints and queries of the parents in a professional manner.	<b>Difficulties</b> The existing system does not provide detailed performance analysis for the students, classes and the teachers. The existing system does not provide a method of tracking various procedures. It becomes impossible to reduce teacher's workload in order to use them productively for enhancement of schools performance.	<b>Personality</b> - Polite - Patient - Calm - Dedicated
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## AS IS JOURNEY MAP

<b>STAGE</b>	<b>PRE-EXAMINATION</b>	<b>EXAMINATION</b>	<b>POST-EXAMINATION</b>
<b>PARENT</b>	Participation & Exam Fees Helps Prepare Student for exam	Sends student for exam	Wants for Results Confused - what, where to improve
<b>STUDENT</b>	Prepares for exam	Receives Question Paper & Answer Sheet Wants for Results	Confused - what, where to improve Approaches teacher for help
<b>TEACHER</b>	Finalize syllabus Prepare Question Paper Session paper for printing distribution	Question paper proof reading Exam Conduction Answer script evaluation Send Question paper and answer scripts for exam	Answers student's questions to evaluate Submits marks to principal Wants for Results Confused - what, where to improve Approaches teacher for help
<b>EDP</b>	Receives Finalized Syllabus for exam	Confirms question paper is printed Supervises exam conduction	Receives marks from EDP Prints results and submits Answer script distribution to subject teachers
<b>PRINCIPAL</b>	Receives Finalized Syllabus for exam	Supervises Exam & Invigilation Plan Preparation	Answer script distribution to subject teachers Result distribution to class teachers Prints results and submits Answer script distribution to subject teachers

## OPPORTUNITIES

<b>Increase in Productivity</b>	Better use of infrastructure resource	Efficient use of Human Resources - On core competencies	Use of technology - to eliminate repetitive nature of work
<b>Cost Reduction</b>	Utilizing same human resource for more output	Shifting non-core activities to cheaper resources	
<b>Improved services</b>	Performance analysis - Identifying deficiencies	Improving performance - Remedial Measures	

## CONCEPT IDEATION

<b>Question Bank</b>	<b>Exam Schedule</b>	<b>Syllabus</b>	<b>Question Paper</b>
Creating a large pool of questions with answers for each chapter/topic categorized according to their difficulty levels (Basic, Medium, Tough)	Create an exam schedule at the start of the session. View & Edit schedule also possible as and when required	Selection from already existing pool of chapters/topics	Teachers select questions from existing question bank based on the syllabus finalized.
<b>OMR Evaluation</b>	<b>Result</b>	<b>Performance Analysis</b>	<b>Followup Tracking</b>
The OMR sheets shall be digitally scanned, matched with the correct answers and the marks would be allotted automatically.	Detailed result shall be auto-generated by the system and can be printed when required.	Detailed Individual, Comparative & Summarized Performance Analysis Reports shall be generated (Teacher-wise, Classroom, Subjects-wise & overall School).	Tracking on automated messaging system to the concerned people as reminders, status update and information.
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**Question Bank**	**Exam Schedule**	**Syllabus**	**Question Paper**



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