The title of project is Automatic Question Paper. The project will be a web-based application, where staff can use the facility to generate question paper from their sample questions provided by the themselves as input to the system.

The frontend of the web application is built with HTML and Bootstrap 4 as CSS framework with custom mark-up as well. The database backend is built with Microsoft SQL Server. The connectivity within database and application is done by Entity Framework which is ORM (Object Relational Model).

The project consists of two sections mainly Staff management and actual Question paper generation where respected staff can login and create question paper.

The staff management section will be handled by HOD or the principle. As its names suggests this section will be use to handle staff and their responsibilities. This section will do following tasks.

1. Add staff, edit staff details, delete staff
2. Add semester
3. Add, delete and update Department
4. Add, delete and update subjects to the department
5. Assigning, removing and editing each subject to each staff

While assigning staff to subjects or course the semester, department is taken under consideration also.

And in other section the teachers can login to web application and add sample questions to database. The question will be sorted as per the chapter, course paper, semester and department wise.

Teachers has to set the difficulty of the question each one by one which can be used further by algorithm to generate the question paper.

The application also provides a feature where teacher can paste a paragraph into respected textbox and with our custom algorithm and text analysis algorithm the question will be automatically generated from that para and can be added to the database. So, in this we can reduce the time which is required by staff to read and to create question from those paras.

The algorithm which is used to select question from overall sample question paper DB will be mixture of algorithm will take as per difficulty level and an improved randomize selection of question.