Functionalities Description

The following five analyses should be available on user request in the system built by the development team:

1. Analysis of the revenue generated by a selected school in selected semester/s and the percentage change in the revenues of the school.

2. Comparative analysis of the number of sections in each school in selected semester/s that have a number of students enrolled in them that is less than the number given by the user, as well as in reference to the total number of such sections in the university. A detailed breakdown should also be available for this analysis where users can navigate to a view that shows the number of all such sections (that have less than the number of students entered by user) offered in each school w.r.t. number of students enrolled in them, starting from 1 and incrementing by 1.

3. Comparative analysis of percentage of unused resources for each school in selected semester/s, as well as w.r.t to total unused percentage for the university overall based on average enrollment per section versus average capacity per room.

4. Comparison of the number sections offered across the departments in SETS for a selection of class sizes (any of the following ranges selected by user: 1-10, 11-20, 21-30, 31-35, 36-40, 41-50, 51-55, 56-60, 60+; class size = number of students enrolled in a section) w.r.t each other as well as the total number of sections overall in SETS in selected semester/s.

5. Classroom requirement summary based on class size, total slots per day, and sections offered:
   Based on a given range of class size (any of the following ranges selected by user: 1-20, 21-30, 31-35, 36-40, 41-50, 51-54, 55-64, 65-124, 125-168; class size = number of students enrolled in a section), and accordingly the number of sections offered in a semester, how many classrooms would be needed if each day's schedule was divided into seven slots versus the number of such such classroom that are actually available? What about the same for eight slots?