**Resource Management**

**Team Members:**

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**Objective:** The aim of the project “Resource Management” is to create an interface which can be put to use in order to facilitate anybody who needs to utilize the department seminar hall at available timings with available equipment which may be needed for the event to be held.

**Problem Statement:** MCA department has a seminar hall with projectors, mike and sound equipment. Faculties from any other department or from our department can book the facility for the entire day for conducting any event. Not more than one event can be booked in a day and the reserved days need to be greyed-out as unavailable. The data needs to be taken from the database where the user input data would be stored.

**Functionalities:** The project will contain functionalities for registration, user session login, facilities and equipment details page including the dates when the hall could be booked and a page where the seminar hall could be booked with the finalized dates. The user would also be able to edit the booking details such as rescheduling, opting the equipment required and cancellation of booking.

**List of web-pages:**

**Database operations:**

* Insert
  + Creation of database and its entities
* Search
  + Read operation performed for displaying booking dates
* Delete
  + Deletion of user or invalid data
* Update
  + Updating of data in case of changes in booking information

**List of users involved:**

* Student / faculty in-charge
* Faculty
* Admin

**Software Requirements:**

Operating System: Windows 10

Front-end: HTML, CSS, JavaScript

Back-end: PHP, MySQL

**Hardware Requirements:**

Processor: Intel Pentium 4 and above

Memory: 4GB or more

Storage: At least 500GB HDD