# SOFTWARE ENGINEERING PROJECT PROPOSAL

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| Project Title | **PARKING LOT SYSTEM** | | |
| **Abstract** | The purpose of this project is to track and manage occupancy of a parking garage and allow customers to find and reserve available parking places. The parking garage will be remodeled so that the parking decks above the ground level will be accessible only using an elevator that will lift the vehicles to different decks.  The system will encourage customers to make reservations online and make the parking process a hassle-free experience. The system would be able to take into account contracted reservations, confirmed reservations, and walk-ins. The website would allow customers to create accounts so that it can store their personal information and they can reserve parking spots even more quickly.  The manager will be able to access an administrative section of the site in order to set certain variables such as policies, pay rates, etc. The manager can look at the data to see how many times a certain customer enters the garage and make assumptions on frequent visitors this way. Also, by seeing how many cars enter or use the parking garage at certain times based on the data collected, the manager is able to keep track of busy times during the day. | | |
|  | **Roll No.** | **Name** | **Signature** |
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| **Tools to be used** | **FRONT END :** ASP.NET  **BACK END :** SQL Server  **DESIGN OF SOFTWARE:** MS VISIO, RATIONAL ROSE | | |

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| Reviewed by  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Practical Class Teacher** |  |