

Leuva Patidar Girls Hostel Management System

– Project Scenario Definition

1.	Name of the Project	Leuva Patidar Girls Hostel Management System
2.	Objective/Vision	<p>So far there is no online hostel administration framework for Leuva Patel boys and Leuva Patel girls. So we are building up an online hostel administration framework to oversee different exercises in hostel and maintaining a strategic distance from the issues which happen at the point when done physically.</p> <p><u>Advantages:</u></p> <ol style="list-style-type: none"> 1.)Less human blunder 2.)Strength and strain of difficult work can be diminished 3.)Security 4.)Data redundancy can be lessened 5.)Data consistency 6.)Easy to deal with 7.)Easy information refreshing 8.)Easy record keeping 9.)Backuping information
3.	Users of the System	<ol style="list-style-type: none"> A.) Students(registered) B.)Administrators C.)Warden (Few sections of the Software) D.)Parents + Students(Unregistered)
4.	Functional Requirement	<ol style="list-style-type: none"> A.)Details of Rooms & Students. <ol style="list-style-type: none"> 1.)Number of rooms 2.) The capacity of each room 3.)Total number of students in the hostel B.) Room Allocation & Availability. C.)Attendance calculation,manually or using other latest technology like fingerprint machine. D.)Total Expense calculation E.)Room types : Like AC , NON AC , Double,Quadruple F.)Student information,Staff information,Fee details,Room Details,

		<p>Room status,Maintanenance Record</p> <p>G.)Admin :</p> <ul style="list-style-type: none">1.)Can allot different students to the different hostels.2.)He can vacate the students for the hostels.3.) He can control the status of the fee payment.4.) He can edit the details of the students. He can change their rooms, edit and delete the student records.5.)He can edit the news board6.)He can check the complaints <p>H.)Students can even check their details and fee details.</p> <p>I.)Fee collection : COD,Credit/Debit,Cheque,Draft,Net banking,EMI ,RTGS etc.</p>
5.	Non-functional requirements	<p>A.)Security for confidential data</p> <p>B.)Backup for student data</p> <p>C.)Platform/Browser independence : sholud work on any operating system like WINDOWS,LINUX,MAC.</p> <p>D.)Data migration:easy way to migrate data from the current system to a new system.</p> <p>E.)Performance :should handle the simultaneous usage of almost any number of users at a time</p> <p>F.)Ease of use and Documentation:(i) The software should be designed for extensive customizability, even for people who are not used to computer programming.</p> <p>(ii) The user-interface should be intuitive and easy to navigate.</p> <p>(iii) There should be a proper documentation of the system. This document should be so simple yet precise so that a newly appointed faculty should do all the things on one's own and distinguish all the features. This could be given in the form of a 'help' menu associated with every activity</p>

6.	Optional features	Web-services based model Java based client for Users-B/C/D Adaptable shading plan or skins
7.	User-interface priorities	A.)Proficient look and feel B.)Data availability any authorized person in any desired format. C.)Easy and more convenient development of software for easy use and operations. D.)Pictorial usage can grant more help. E.)Easily directed to the query asked
8.	Reports	A.)Students details reports B.)Students fees details reports(6- monthly) C.)Maintenance reports(cleaning+electricity) D.)Room allotment detail reports E.)Room accessories purchase-repairs detail reports F.)One page complete report to main admin having the status of room(vacancy,room conditions) and students details.
9.	Other important issues	Website development should be done efficient so that it can be updated timely and can be easily accessed and viewed by guests over the globe.Pictorial use can be made. Any change over a software or data is made then it should be able to adapt it quickly.
10.	Team Size	3
11.	Technologies to be used	HTML5 ,Python,JAVA,JAVAScript,Android,DB2
12.	Tools to be used	Workbench,Microsoft Visio(ERD),Visual Paradigm,MySQL
13.	Final Deliverable must include	A.)ERD B.)DFD C.)SCREENS D.)Database Designings