

SMART SECURITY SYSTEM FOR HOSTEL

Smart Hostel

Hostel Attendance, leave approval and intimation system

About the Smart Hostel

In smart Hostel system, Guardian initially has to call the college helpline number to approve the request for leave. Approval/Rejection leave request by them is taken care by the telephonic module. After their consent, when the student is about to leave for home, they are mandated to produce their finger print impression. Based on their leave request is approved or denied, a green signal or red signal is shown.

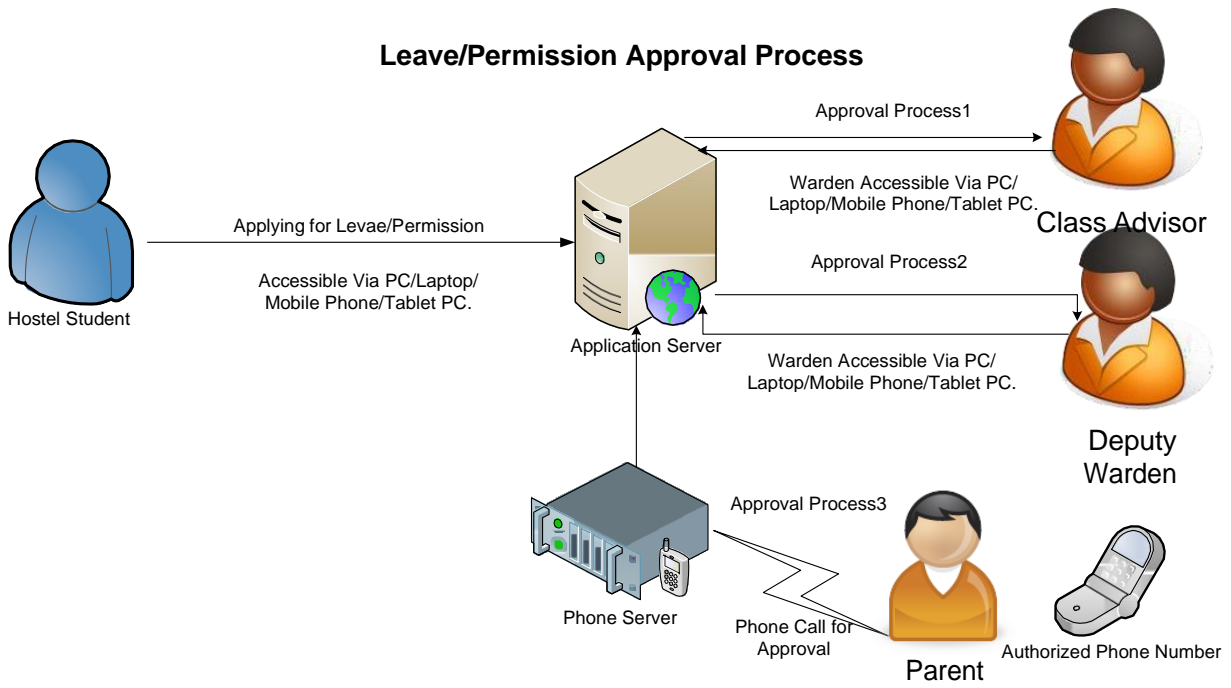
Green signal indicates the approval and they are allowed to depart from hostel along with which the departure time is communicated to their guardians through SMS or phone call based on their guardians' preference.

While returning to the hostel after the approved vacation period, students are again dictated to produce their finger print impression. Straight away their arrival time is also communicated to their respective guardians.

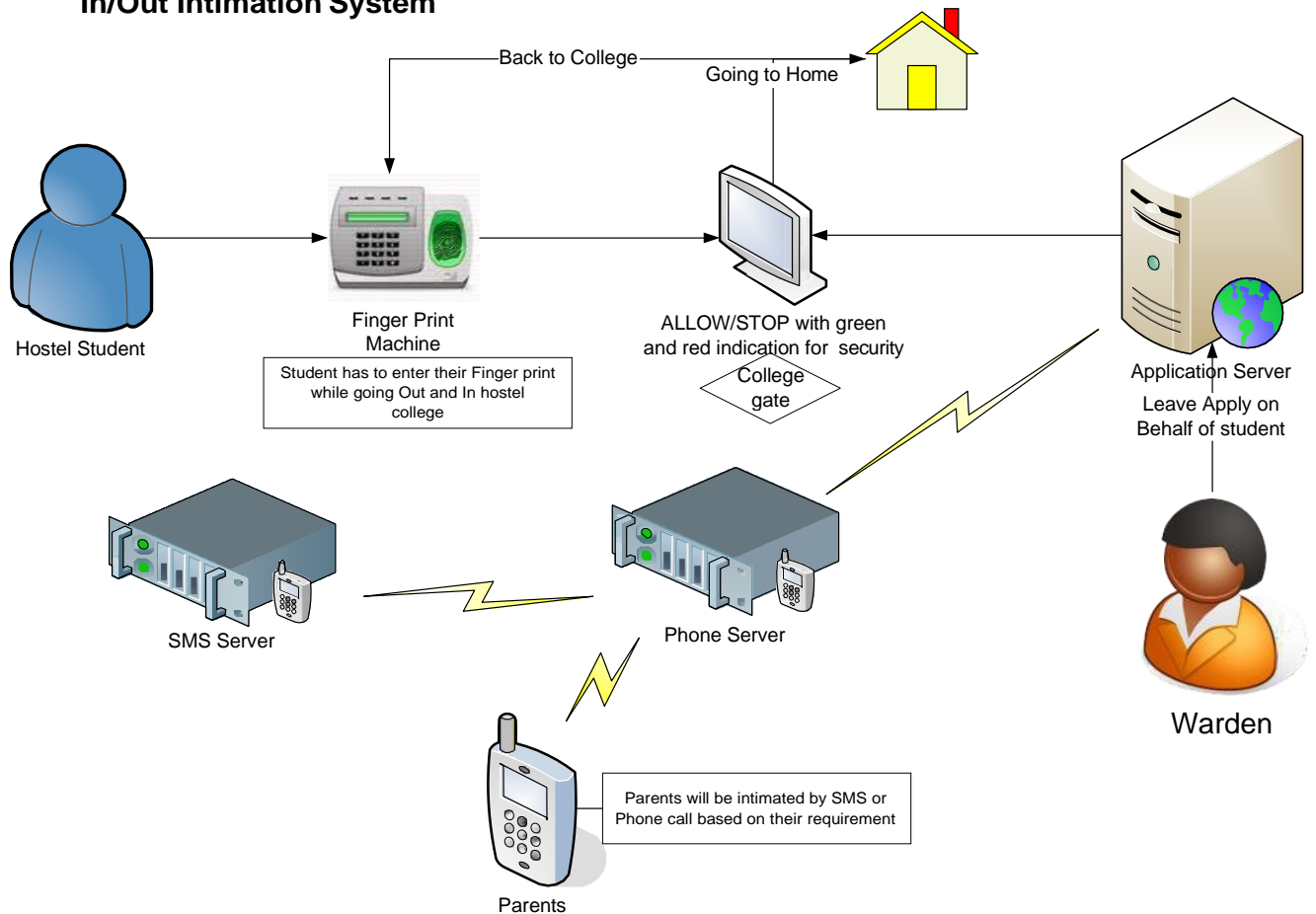
#	From	To	Leave	Reason	Status
1	11-11-2019 07:00 AM	18-11-2019 08:40 AM	Leave.	Going to Home	Approved
2	01-11-2019 02:00 PM	04-11-2019 08:40 AM	Leave.	Going to Home	Forcibly Closed
3	25-10-2019 01:00 PM	30-10-2019 08:30 AM	General Leave	Going to Home	Closed
4	25-10-2019 01:00 PM	30-10-2019 08:30 AM	General Leave	Going to Home	Forcibly Closed
5	12-10-2019 02:20 PM	14-10-2019 06:00 PM	Leave.	Going to Home	Closed

#	From	To	Leave	Reason	Status
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Leave/Permission Approval Process



In/Out Intimation System



The advantage of Smart Hostel for Guardian

1. Thorough going monitoring of the inmates in-out information within the hostel.
2. Students can move out from the hostel only after getting consent from their guardian.
3. Quick and prompt intimation of the student outgoing information through the phone call to the guardian in their preferred language or by SMS.

The advantage of Smart Hostel for Management

1. Students can leave hostel only getting approval from their guardian. It makes easy job for warden and management.
2. Completely reliable and Hassle free system for leave approval. Everything is automated.
3. Details of the students going out and coming in are recorded using the finger print impression.
4. Number of Students moved out and in is also recorded.
5. Bio-metric finger print /Smart Card/Face reorganization system are used for verification.
6. Streamline the relationship between students, teachers, guardian and management.

Smart hostel

Smart hostel works on the following modes

- Permission Mode
- Phone Call Approval and Intimation

Permission Mode

1. Smart Hostel in permission mode works as an intimation system.
2. Whenever a student going out from the hostel has to produce their finger print impression.
3. The application immediately forwards intimation to their guardian via either SMS or by phone call.
4. The phone consists of multi-language format. Guardian can receive the phonecall in their preferred language.

Phone Call Approval and Intimation

This mode consists of two parts.

1. Leave approval
2. Reliable Intimation System

Phone Server Application Server Guardian Database Server Authorized Phone Leave approval through automated computerized voice response system Automated Leave Approval System

Leave approval

1. Leave is applied by warden on behalf of students.
2. Once the leave applied guardian must call to the given helpline number where an Automated computerized voice informs the leave details of the respective student.
3. It provides two options either to approve the leave or to reject the leave.

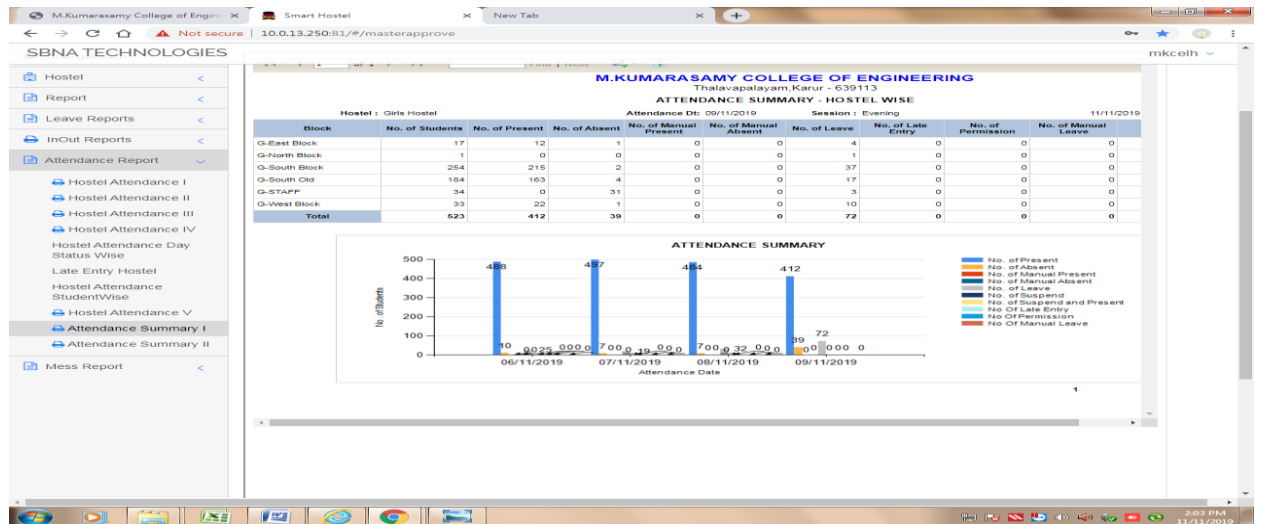
Hostel Attendance System:

In hostel attendance system every student must produce their thumb impression every morning and evening on allotted time. Usually morning time is college commencement time and Evening time is the dinner time. Morning attendance will be sent to the college. After the evening attendance if any student is found as absent, their respective guardian will intimated over the phone or by SMS based on their preference. Hostel attendance both Morning/Evening will be sent to higher officials through automated SMS.

Hence Smart Hostel is a highly motivated and effective tool, with forward and vibrant institute and stipulates a liberal & modern outlook on education organization's Hostel Management System to cater to its need of providing a real time security to the Students.

Daily Attendance

Daily attendance of Girls Students will be closed by 7.45 P.M and the software itself will Send Total Present, Absent details to Warden and Top Management People. If your are holding the students in college without giving proper list, even we are not in position to put manual attendance for the girls.



Leave approval procedure in Hostel during working day:

The students need to apply online, next department approval, then Hostel approval. After that the call will go to every parents, the parents need to approval or reject. When student moves out of the hostel by keeping their finger print, out pass will be generated.

If the department approval is given at night 9 P.M, for next day placement drive. It is difficult for the Parents and Hostel to see the approval status for every girls students after that time.

As per the hostel rule, leave approval has to be completed before one day prior to date of leave Time: 3.00P.M. We need to inform the strength to Mess also.

Student Leave - Details

Approval Details

S.No	Staff	Designation	Order	Date	Status	Approved By
1	SIVAGURUNATHAN P.T	Assistant HOD	1	11-11-2019 09:02 AM	Approved	SIVAGURUNATHAN P.T
2	mkcelh s	Assistant Warden	2	11-11-2019 02:07 PM	Approved	mkcelh s

IVR Call Details

S.No	IVR Approval No	Call Date	Status	Type	Key Pressed
1	9842288452	11-11-2019 02:03 PM	ANSWERED 4 0	Outgoing	r.r.r.r.r.r.r.r

Manual Approval Details

S.No	Staff	Designation	Date	Status	Approved By
1	mkcelh s	Assistant Warden	11-11-2019 02:09 PM	Approved	mkcelh s

Out Details

Out Date & Time : 11-11-2019 02:09 PM

S.No	SMS Date	SMS Text	Status
1	11-11-2019 02:09 PM	Dear parent, Your Daughter NARMATHA T has left MKCEladies hostel at 02:09 PM on 11 November. Have a nice day.	SENT