PROJECT SYNOPSIS / PROJECT CONCEPT DOCUMENT

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Project Title - Making H105 a Smart Classroom

Document - DASS Project Concept Document

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Client - **Dr. Vishal Garg (Faculty at IIIT H)**

DESCRIPTION

Automate the lightning system on the basis of the schedule entered by admin.Automate AC on the basis of internal and external environment and type of people inside the room (students, VIP or VVIP). Provide a checklist of instruments and send notifications to staff before any event in the classroom. Controlling lights for projectors. Also control evaporator on the basis of CO_2 levels and occupancy in the classroom.

PROFILE OF USERS

The different users who would be using the software include:

ADMINISTRATOR (ADMIN)

The ADMIN (staff who will be incharge of managing the H105) will make an entry of timetable and send it to the moderator which will be basically a Guard/staff who will take care of things in the classroom.

MODERATOR (MOD)

According ro time table sent from Admin side he will set up the classroom for class before the class starts. Same applies for any events happening in the classroom. He will set the default mode for that class like whether the event uses the projector or not. Should event happen in a dark room. How many people will attend the event. For classes he will set things according to class parameters like projector on demand of professor, Occupancy on the basis of no. of

students registered for the course. He will set up things as VIP or VVIP or normal events on the basis of guests in the event which will happen.

PROFESSOR(APP USER IN CLASS)

The professor will have all control to manage everything manually. He can change occupancy levels seeing how many students have attended the class. Also he will be able to select ON/OFF the projector and it's input. He can also control the temperature of AC through Panel. He can automate these things by just clicking the Automate button then Temperature's of AC, evaporator will be set by physical parameters received from sensors deployed in the room and outside. He can show those environmental parameters on the right side of the screen.