MONTHLY REPORT FOR THE MONTH OF JULY 2014

Tasks Completed:

- Programmed and tested adaptive internal lighting system successfully
- Programmed and tested external lighting system successfully
- Programmed and tested automatic water pump successfully
- Programmed and tested temperature measurement using LM35 temperature sensor successfully
- The Raspberry Pi was installed with the operating system and other required software's and was configured accordingly
- Interfaced Raspberry Pi and the microcontroller using I2C interface successfully
- The interface program between the Raspberry Pi and the microcontroller was partially successful

Tasks to complete:

- Program and test password assisted door lock system
- Debug the I2C program between the Raspberry Pi and the microcontroller and get the complete output
- Interface the Real Time Clock with the Raspberry Pi using I2C interface
- Build the music system on the Raspberry Pi
- Set up the final relay driver circuit and also the casing

Signature of guide:

Team Members:
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31 – Giridhar A K
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