Task: Build a Burglar Alarm

Groups: you may work in groups of 2 or 3

Expected outputs: - Individual Project report per group Member

- Code
- Demonstration
- presentation by selected groups

Due Dates: Demonstration - h Cab on 27/11/17

presentation - In class on 30/11/17

Reports & Code - CS office 8 12 17

CS3514 Burglar Alarm Project 1) Time of day Bosic functionality - Displayed by default on LCD - Include fonctionality to set time Enhanced functionality - Display Date/6me - ability to Set Date 9) Alarm zones Basic functionality - 4 Zones with Programmable Zone types - 4 Zone types · Entry / Exit . Alarm Digital

. Alarm Analogue . Continuous monitoring For Entry / Exit Zone type - Set User Password - Set east/enter time - require Password to set/reset For Alarm Digital Zone type - Set active Hyh or active low For Alarm Analogue Zone type - set threshold Value For Continuous monitoring Zone type - activate alarm on H > L transition - Extended functionality - Require engineer passwork to change settings - Set Engineer password 3) When alarm Condition occurs

- Basic tunchonality

- Record Zone, (Date) Time In the EEPROM Memory
- · Activate alarm
- Enhanced functionality
 - None
- f) Saving the Settings
 - When the Settings for the Zones are changed, they should be saved in the EEpRom
- 5) Use the remote Control
 - -Basic
 for entering the enter lexist
 passwords
 - enhanced

 5 navigate all menus