

Internet of Things

Monsoon-2018 Course Project guidelines

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| Group Number - | | |
| Roll No | Name |  |
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1. Project title:
2. Objective:
3. Problem statement:
4. Novelty:
5. Mandatory requirements of the project:
6. Project implementation

(at least 50% hardware with supporting software modules and UI)

1. Heterogeneous Architecture:

(Each Project should implement with at least three Different protocols – Wi-Fi, Bluetooth, ZigBee, 4G etc.)

1. Middleware aspects:

( Project should have a middleware which can handle interoperability aspects of IoT)

1. Global view (Anywhere from the globe – Preferably no third party tools)
2. Database and enabling data visualization
3. Quality of Sevice (QoS) (Reliability, Delay etc.) and network life time aspects
4. Must use Standard Protocols like – MQTT
5. Cloud connectivity – ( Bonus for realizing your own cloud)
6. Bonus for AI and ML for your application
7. Timelines:

Report Submission and Discussion : 24/10/18

Mid – evaluation : November – 3rd week (14/10 & 15/10)

Final Evaluation – 11/12/18 or 12/12/18

1. Evaluation Weightage

Project definition report – 5%

Mid evaluation – 10%

Final Evaluation – 15%

Bonus – (5 to 10%)