

Project Planning Document

Distributed Systems

Project Planning by Navjot Singh Virdi
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Smart Meeting Space

- * Project Aim - Design and develop Distributed system.
- * Project Problem (broken in small problems)

- 1- Develop set of protocols/messages
- 2- Build reference implementation of devices in a smart environment.
- 3- Your devices must publicise themselves & discover each other using Zero Conf.
- 4- They should communicate through UDP, or TCP
- 5- JSON must be used for data exchange
- 6- GSON can be used for automated conversion to objects.
- 7- We can choose b/w MQTT rather than direct TCP sockets for communication b/w one service and its client.
- 8- Minimum 4 services
- 9- To demonstrate implementation simple GUI with devices and controllers should be built.

* Deliverables

- Report - (10%)

(90%) - Project Code (NetBeans project)
(private Github repo)

Marking Scheme

- * 4 Complex services (30%)
- * Message format (20%)
- * Use of jmdns (20%)
- * User Interface (10%)
- * Error handling (10%)