

Mini-project

Form a group of 2 students. Each group will be given a topic. Submit a project plan. Implement and demonstrate the mini-project. Finally submit the report.

Timeline:

Week 7 – form project group, allocate topic
Week 9 – submit project plan
Week 10 – receive comments, revise project plan
Weeks 11–13 – project implementation
Week 13 – demonstration
Week 14 – submit report

Possible topics:

Light dimmer control
Display your name
Mastermind game
Access control with alarm
“Paper Scissors Stone” game
Electronic message board

Project plan:

Names and student ID numbers
Project topic
Objectives (in point form)
Functional specifications (in point form)
System framework (describe the functions, I/O being used, distinctive features,
block diagram, flow chart, or pseudo-code)
Responsible tasks (each group member)

Report:

Introduction
System description
Program description
Discussion
Conclusion
Appendix (program code)

Assessment:

Innovation 20%
Implementation (responsible tasks) 60%
Report 20%