

## List for Team Project Topics: CITS 5506

Following is a list of some topics for the term projects. A simple Google search of “IoT based project ideas” will give you a number of such ideas. In the term project, you are allowed to use the code available on the internet (but you must acknowledge the source).

These are some ideas, you have to research and refine them before submitting your project proposal as per the specimen already uploaded at LMS. This is not an exhaustive list and students are encouraged to research and suggest their own topics. You can also see the City of Perth Open data Portal (<https://data.perth.wa.gov.au/>) and suggest some real applications on this data. Two groups cannot do the same project, so topic selection is on First Come First Serve.

1. Smart Class Room Counter
2. IoT based weather station
3. Baby Sleep Monitoring
4. IoT based monitor for solar power generation
5. Smart Walking Stick
6. Smart Cup
7. IoT based water quality monitor
8. IoT based air quality monitor
9. Smart watering System for house plants
10. Smart Fan
11. IoT based Aged care system
12. Smart Curtain controller ( Sunlight dependent)
13. Smart Medication Reminder
14. Smart Weighing Container
15. Smart Trash Collector
16. Smart Doorbell
17. Smart Occupancy Monitor for library places
18. IoT based water control for Irrigation
19. Smart Parking