**1.Smart Plug**

-Smart Light

-Switch

-Temperature sensor

-Relays

-Humidity sensor

-Wind sensor

-Radiation sensor

-Smart Valve

-Heat interface

-Remote (air condition)

-Gas meter

-Motion sensor

-Light sensor

-Window sensor

-Wires

-Communication Interface

(Wi-Fi, Zigbee, Bluetooth etc.)

-Multi meter

**Done**

**partially done**

**Not done**

**5. As a Hardware developer, I would like to make a catalog of hardware product so that i know what is available to build with sensors.   
  
5 points**

**6. As a Researcher, we will search for this sensors in the office, after we have the catalog so that we know what to build first.   
  
3 points**

**7. As a Mobile developer, I need a wireframe draft so that we can know what the application looks like.   
  
5 points**

**8. As a User, I would like to detect the temperature of my house so that I can see the current temperature.   
  
3 points  
  
9. As a Researcher, we will investigate for brands of products that we need in order to complete the device selection test report.  
5 points**

10. As an Engineer, I would like to develop infrared controlled air conditioning.   
 **8 points**

11. As an Engineer, I would like to develop infrared controlled curtains. 5  
  
12. As a User, I would like to see Air condition working when the Blue light is on and Air condition turn off when the blue light is off. 3

**21 points for this week**

***SPRINT 2***

**13.** As a researcher, I will research about the list of smart plugs required in our project and make the conclusion which smart plug should be used by the end of sprint.

**5**

14. As a developer, I would like to research about the smart plugs if the protocols can be modified. 5

**15.** As a product manager, I would make a list about all the things that smart homes could do so that we can decide what features to put in our products. **5**

16. As a product manager, I would like to choose the features of a smart home from our list given in the proposal so that we can add them to our backlog as stories. 3

17. As a user, I would like to predict the consumption of electricity by checking it at the regular time for couple of days so that I can calculate the amount of bill. 5

18. As a user, I would like to give a voice message to my house so that I can interact with the devices. 8

19. As a user, I would like to have the microphone installed in every rooms so that I can speak with my smart home easily. 3

20. As a user, I would like to have the motion sensor installed in every rooms so that I can know if someone is inside the house. 2

21. As a developer, I would like to use the raspberry pi instead of Arduino in order to fulfill all smart tasks. 3

22. As an engineer, I would like to combine the heating and lightening process in the same program so that it is more convenient. 3

23. As a marketing manager, I create different marketing materials such as flyers so that people can know about our product and buy it. 5

24. As a user, I would like to talk to my house so that I can control every devices. 8 points

25. As a user, I would like to hear the house announcing so that I can know what is it doing. 5 points

**This week 9, 13, 15, 16, 21, 22 – totally 24 points**

**This weeks points – 15**

**SPRINT 3**

Meeting next **Thursday, 10th August**

Scrum master: **Samra**

26. As a referee, I would like to read the device selection test report (based on story 9.)

3

27. As a developer, I would like to order some devices that we can receive soon so that we can start developing using those devices

3

28. As a developer, I will choose the best smart plug that fits our needs

2

29. As a researcher, I will research about the communication protocols that communication modules suitable for the smart home can use (Wi-fi, Zigbee, Bluetooth etc.)

5

30. As a developer, I will make a git repository on github so that we organize our coding and push and commit our work so far

2

31. As a tester, I will make a list of ideal target houses that we can test and their features, reasons to choose that house and descriptions

5

32. As a test user, I need a documentation and explanation what will happen during the testing and what to do in emergencies. (after story 16)

8

Stories for this sprint: **16, 20, 21, 22, 30, 23**

Total points: **18**

Sprint 3 - points done: **13**

**SPRINT 4**

Scrum master: **Chaiapol**

Next meeting: **21st August, Monday**

33. As a user, I would like to have the security alarm fit in my house so that I can know if someone is trying to break inside my home.

34. As a user, I would like to use fingerprint id to enter inside my house so that no one else can enter.

35. As an engineer I would like to fit the gas and fire detection sensors so that the smart home can be safe from disasters.

36. As an engineer I would like to remotely control curtains via mobile app.

37. As a user I would like to know if the windows and doors are open if we are away from the house.

38. As a user I can track my children via gps (placed inside their school bag) and camera so that I can gain a peace of mind.

39. As an engineer I would like to fit the smart camera inside the home so that users can monitor their houses.

40. As an engineer I would like to fit the water pipes in the floor so that hotwater can flow and heat the pipe controlled via mobile application.

41. As an engineer I would like to develop a mobile app to control the water flow in the pipes. (against leakage)

42. As a user I would like to have a sensor in my key rings so that I can not misplace it inside my house.

43. As an engineer I would like to make a mobile app to find the lost keys inside my house.

44. As an engineer I would like to fit presence sensor in every room of the house to turn on and off the speaker so that music can follow the user in every room s/he goes.

45. As an engineer I would like to develop a mobile application so that users can be reminded with paying their electricity, internet, etc bills.

46. As a user I would like to have a self-cleaning windows in my house so that I don’t have to clean it manually.

47. As a marketing manager, I would like to shorten the project flyer to make it fit on the page 3

48. As a user, I will combine all features we did so far in one program so it works all together. 8

49. As an engineer, I would like to fix the weather box so it works properly.

**Sprint 4 stories:** 10, 7, 27, 47, 48

**Sprint 4 total points:** 27

**Sprint 4 points completed:** 11

**SPRINT 5**

50. As an engineer, I will make the circuit diagram for each device connected to the raspberry pi

3

51. As a researcher, I will make a report why I choose rapsberry pi

3

52. As a researcher, I will make a test report on communications between the central control unit and the remote sensor unit

5

53. As an Intern, we would like to have a certificate so that we can put it in on CV.

2

**Sprint 5 stories:** 10,48,50,51,53,25

**Total point 17**

**Next meeting Friday 25 August 2:00 PM**

**Scrum Master name : Damir**