	Task Name
1	**Mechanical Design**
2	Cat food active / deactive
3	Gate Design
4	Gate Test
5	Case design and construction
6	Integration of food mechanism
7	Design of food framework
8	Seating of the food mechanism
9	Consolidation and error fixing
10	
11	**Electronic Design**
12	Dog deterring system
13	Design of possible systems
14	Implementation of possible designs
15	Test of the product
16	Battery selection and placement
17	Selection and testing of the possible battery choices
18	Safety and regulation adjustments
19	Integration to the system
20	Design of power electronics
21	Choice of regulators and wiring
22	Implementation and system integration of power electronics
23	Sensor and microprocessor selection and integration
24	Selecting and purchasing true sensors
25	Integrating the sensors into the microprocessor
26	
27	**Back-end software framework**
28	Transfer of the data
29	Transferring video data
30	Communicating between microprocessor and server
31	Parameter optimization and testing
32	Interface Design
33	Camera - Computer Vision Interface
34	Database - Website Interface
35	User Interface - Website Design
36	Design
37	Integration and test
38	
39	**Computer Vision**
40	Pre-processing
41	Research on pre-processing techniques
42	Implementing the pre-processing tecniques
43	Integration and testing
44	Simple Classification Problem
45	Searching for the available repositories
46	Tests of the repositories
47	Testing on the microprocessor camera data
48	Integration into the system and real-time testing
49	Identification of the cats
50	Literature search and inspection of feature descriptors (SIFT, SURF, etc.)
51	Practical implementation of feature descriptors
52	Testing of feature based identification on cats
53	Integration to the Simple Classification problem and the system
54	Advanced Methods (if needed)
55	
56	**Preparing the environment**
57	Installation of the required software to personal computers
58	Setting up of the computation server and packages