Work plan

Deadlines

- 2017-02-27 Choose a project proposal and send your choice via email to epsatisep@gmail.com
- 2017-03-06 Define the Tasks (what must be done - all members must participate in all tasks), subtask allocation (who does what) and Gantt chart (when) of the project and insert them on the wiki (planning)
- 2017-03-13 Upload the "black box" **System Diagrams & Structural Drafts** to the wiki
- 2017-03-27 Upload the detailed **System Schematics & Structural Drawings** to the wiki and finish the cardboard scale model of the structure
- 2017-04-03 Upload the **List of Materials (what & quantity)** to the wiki
- 2017-04-09 Upload the Interim Report and Presentation to the wiki. The report must contain the Introduction, including the tasks, team members allocation and Gantt chart, State of the Art, Marketing Plan, Project Management, Eco-eficiency Measures for Sustainability, Ethical and Deontological Concerns, Proposed Solution and Bibliography chapters
- 2017-04-24 Complete the **List of Materials (local providers & price - including VAT and transportation)** to the wiki
- 2017-04-20 Interim Presentation, Discussion and Peer, Teacher and Supervisor Feedbacks
- 2017-05-02 Upload refined Interim Report (based on Teacher & Supervisor Feedbacks)
- 2017-06-05 Upload the **Functional Tests' Results** to the wiki
- 2017-06-18 Upload the Final Report, Presentation, Video, Paper, Poster and Manual
- 2017-06-22 Final Presentation, Individual Discussion and Assessment
- 2017-06-26:
  1. Update the wiki with all correction suggestions
  2. Hand in to the EPS coordinator a CD with the corrected deliverables (source + PDF) together with all code and drawings produced
  3. Hand in one printed exemplar of the corrected report to the EPS coordinator
- 2017-06-29:
  1. Hand in the prototype and user manual to the client
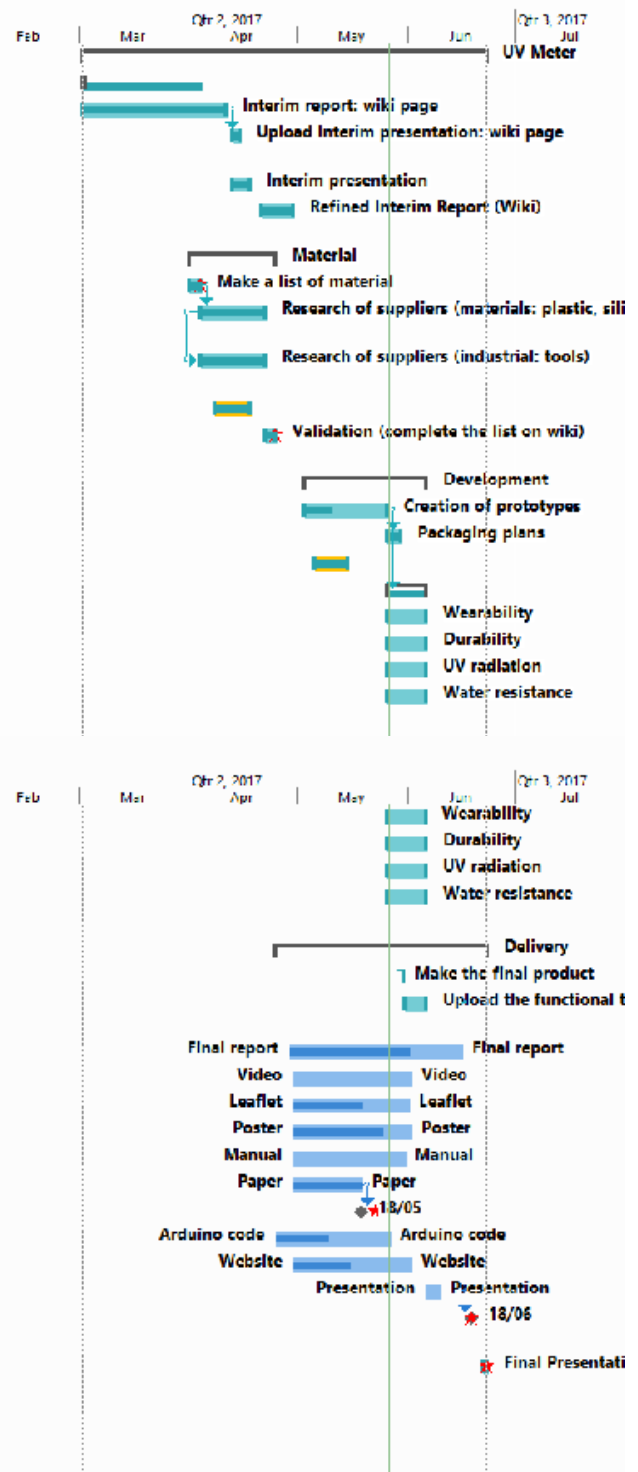 2. Receive the EPS@ISEP certificate

Tasks

In chapter 1.7 you can see the task allocation of the Team.

Gantt Chart

Quick view of our gantt:

ID	Task Mod	Task Name	% Compl	Duration	Baseline Duration	Start	Finish	Pred
1		UV Meter	58%	84 days	81 days	Thu 02/03/1	Thu 22/06/1	
2		Project studies	100%	1 day?		Thu 02/03/1	Thu 02/03/1	
13		Interim report: wiki page	100%	28 days	28 days	Thu 02/03/1	Mon 10/04/	3SS
14		Upload Interim presentation: wiki page	100%	2 days	2 days	Thu 13/04/17	Fri 14/04/17	13
15		Interim presentation	100%	3 days	3 days	Thu 13/04/1	Mon 17/04/	
16		Refined Interim Report (Wiki)	100%	7 days	7 days	Fri 21/04/17	Sat 29/04/17	
17		Material	100%	16 days	16 days	Sat 01/04/1	Mon 24/04/	
18		Make a list of material	100%	2 days	2 days	Sat 01/04/1	Mon 03/04/	12
19		Research of suppliers (materials: plastic,	100%	14 days	14 days	Tue 04/04/17	Fri 21/04/17	18
20		Research of suppliers (industrial: tools)	100%	14 days	14 days	Tue 04/04/17	Fri 21/04/17	19SS
21		EASTER HOLIDAYS	100%	7 days	7 days	Sat 08/04/1	Mon 17/04/	
22		Validation (complete the list on wiki)	100%	2 days	2 days	Sat 22/04/17	Mon 24/04/17	
23		Development	24%	24 days	24 days	Wed 03/05/	Mon 05/06/	
24		Creation of prototypes	30%	17 days	17 days	Wed 03/05/	Thu 25/05/1	
25		Packaging plans	60%	2 days	0 days	Fri 26/05/17	Mon 29/05/	24
26		STUDENT WEEK	100%	7 days	7 days	Sat 06/05/1	Sun 14/05/1	
27		Tests	0%	7 days	7 days	Fri 26/05/17	Mon 05/06/	24
28		Wearability	0%	7 days	7 days	Fri 26/05/17	Mon 05/06/	
29		Durability	0%	7 days	7 days	Fri 26/05/17	Mon 05/06/	
30		UV radiation	0%	7 days	7 days	Fri 26/05/17	Mon 05/06/	
31		Water resistance	0%	7 days	7 days	Fri 26/05/17	Mon 05/06/	
32		Modification	0%		1 day?			

ID	Task Mod	Task Name	% Compl	Duration	Baseline Duration	Start	Finish	Pred
28		Wearability	0%	7 days	7 days	Fri 26/05/17	Mon 05/06/	
29		Durability	0%	7 days	7 days	Fri 26/05/17	Mon 05/06/	
30		UV radiation	0%	7 days	7 days	Fri 26/05/17	Mon 05/06/	
31		Water resistance	0%	7 days	7 days	Fri 26/05/17	Mon 05/06/	
32		Modification	0%		1 day?			
33		Delivery	46%	46 days	53 days	Tue 25/04/1	Thu 22/06/1	
34		Make the final product	0%		1 day		Tue 30/05/1	
35		Upload the functional tests results	0%	4 days	4 days	Wed 31/05/17	Mon 05/06/17	
36		Final report	68%	36 days	49 days	Sat 29/04/1	Thu 15/06/1	13
37		Video	0%	25 days	0 days	Sun 30/04/1	Thu 01/06/1	116
38		Leaflet	63%	24 days	0 days	Sun 30/04/1	Wed 31/05/	16
39		Poster	75%	25 days	0 days	Sun 30/04/1	Thu 01/06/1	116
40		Manual	0%	23 days	0 days	Sun 30/04/1	Tue 30/05/1	116
41		Paper	100%	15 days	0 days	Sun 30/04/1	Thu 18/05/1	116
42		Milestone Paper (ICL)	100%	0 days	0 days	Thu 18/05/1	Thu 18/05/1	141
43		Arduino code	45%	25 days	0 days	Tue 25/04/1	Fri 26/05/17	22
44		Website	45%	25 days	0 days	Sun 30/04/1	Thu 01/06/1	116
45		Presentation	0%	4 days	0 days	Tue 06/06/1	Fri 09/06/17	27
46		Milestone final deliverables	0%	0 days	0 days	Sun 18/06/17	Sun 18/06/17	35;4
47		Final Presentation and assessment	0%	1 day	1 day	Thu 22/06/17	Thu 22/06/17	
48		Update the wiki	0%		1 day?			
49		Hand in the prototype and manual	0%		1 day?			

System diagrams & structural drafts

Purple (11+)

Red (8, 9, 10)

Orange (6, 7)

Yellow (3, 4, 5)

Green (1, 2)
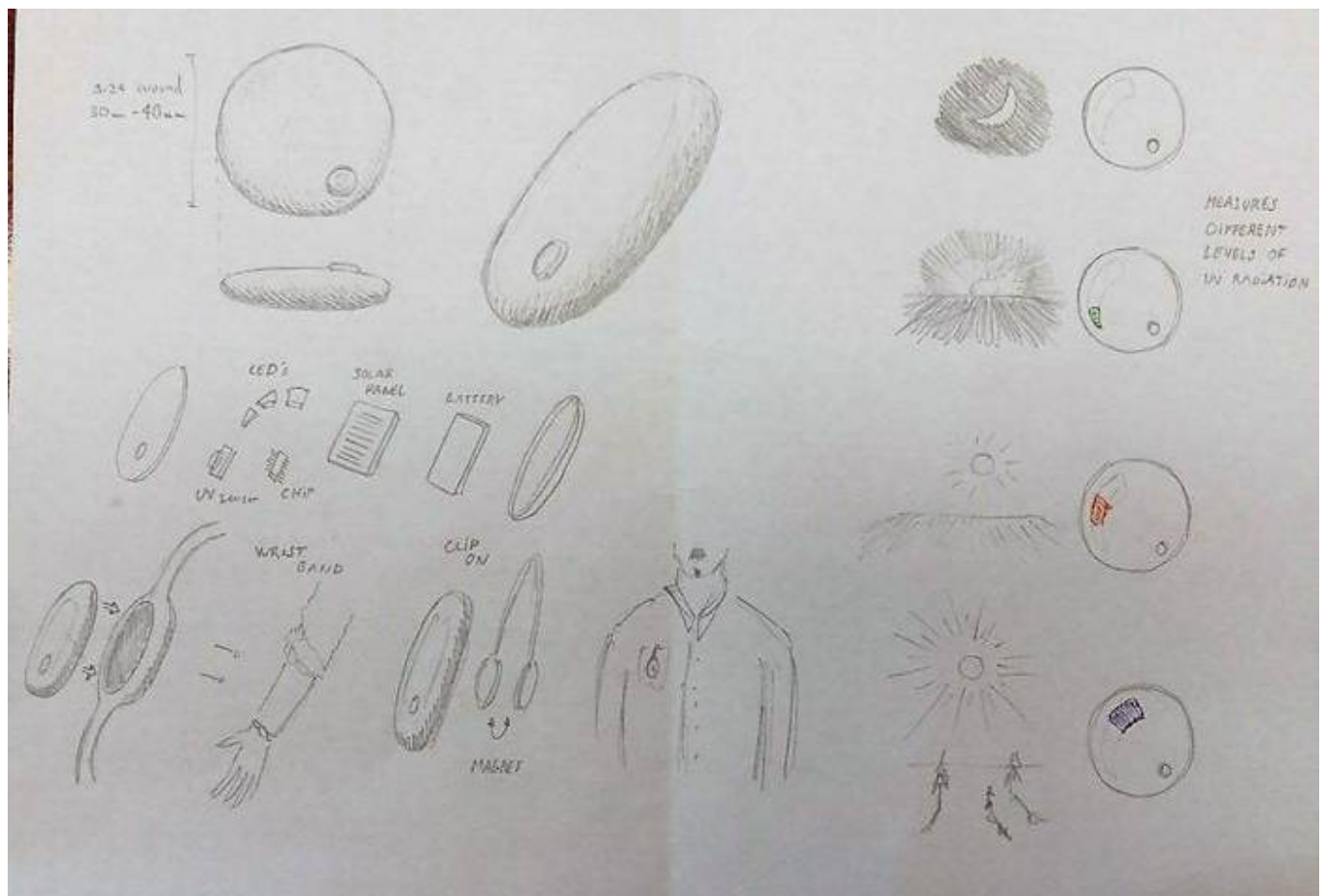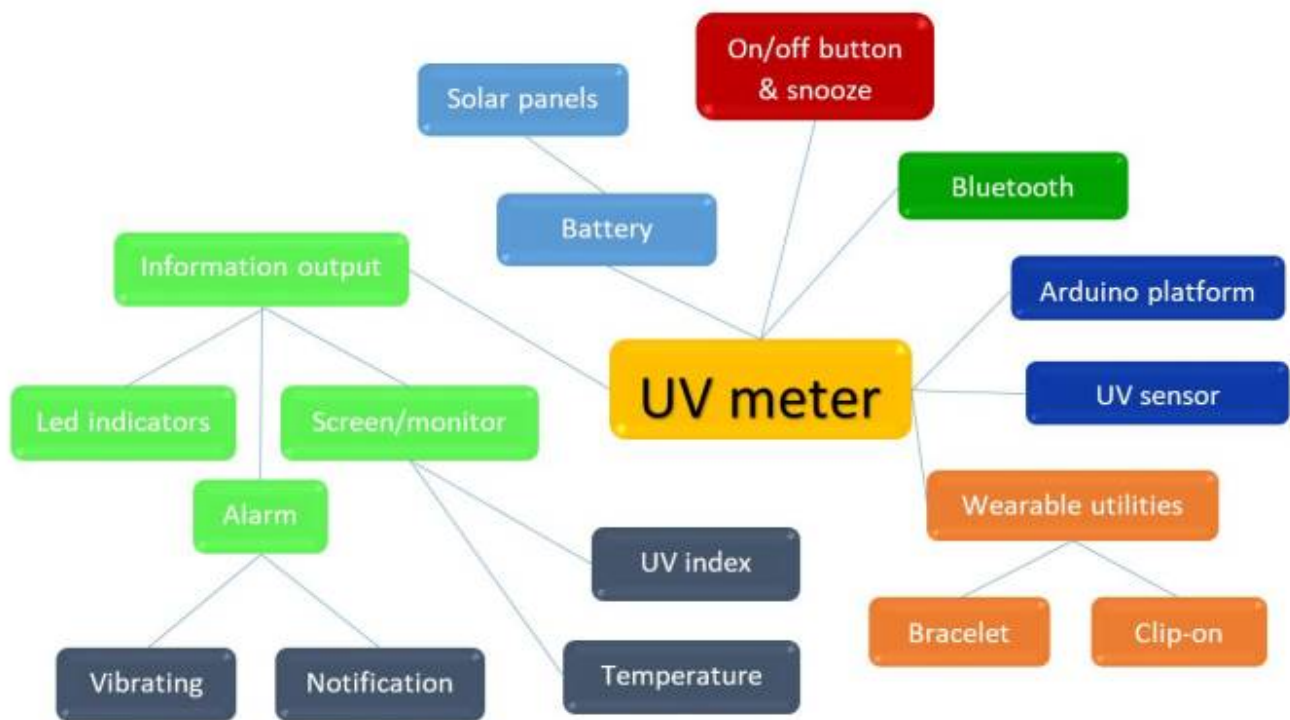
List of material

Component	Quantity (pcs)	Usage / Comments	Price (€)	link
Electronic components				
Bluno beetle DFR0339	1	Controller, connected with the UV sensor. The brains of the device	14.05	pt.mouser
ML8511 UV sensor	1	Measures the UV index	12.48	Ptrobotics
Buzzer Kobitone	1	Notifies with sound when UV level is changeing	2.05	pt.mouser
Lithium-ion Polymer Battery 3.7 V 550 mAh	1	The power source of the UV meter	7.35	botnroll
Adafruit 259 Battery charger	1	Recharge the battery	11.79	pt.mouser
Different color LED (green, yellow, orange, red, blue)	5	Shows the UV level	ISEP	ISEP
Resistors for LED (1×180 Ω; 1×33 Ω; 3× 82 Ω)	5	Resistor for the LEDs	0.25	Ptrobotics
Button (Botão de Pressão para PCB 6x6 mm)	1	ON/OFF button	ISEP	ISEP
Breadboard	1	For prototype building	3.57	ptrobotics
Jumper wires	1	For connecting	1.85	ptrobotics
Case material				
Cork (thickness 40 mm and 1 m²)	1	Case of the device	9.41	Corklink
Plexiglass (15 x 10.5 cm)	1	Protect the components and shows LED lights	4.35	Acrilio
Sandpaper	1	Shape and soften the cork	2.19	Leroy Merlin
Glue for the gluespistol	1	Glue the cork together and also the plexiglass	2.50	Leroy Merlin
Transportation				
PTRobotics		IVA included	4.92	
Botnroll		0-2 kg. IVA included	3.70	
Pt.mouser		IVA included. Free shipping if order is over 50 €	20.00	
Total			100.46	

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Last update: **2017/05/26 22:39**