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1 Progress

- [Team] Criteria for objective tree are determined by giving weight to each criterion. The tree is used to choose the most suitable project among the four projects. The resultant objective tree is Figure 1.

- [Team] The project to be realized is determined according to the criteria listed in objective tree. The chosen project is "Chasing Cars in an Elliptic Path". The results are presented in Figure 1. Points are as follows:

  - Balloon Catching: 5.28
  - Air Hockey: 5.84
  - Chasing Car: 7.48
  - Mapping: 4.04

	Having Fun	Competition	Original Solution	Budget	Mechanical Challenges	Complexity	Marketability	Total	Weighted Objectives
Having Fun	0	0,5	0,75	0,8	0,9	0,6	0,8	4,35	0,2
Competition	0,5	0	0,7	0,7	0,5	0,75	0,8	3,95	0,2
Original Solution	0,25	0,3	0	0,6	0,7	0,55	0,8	3,2	0,16
Budget	0,2	0,3	0,4	0	0,2	0,3	0,8	2,2	0,1
Mechanical Challenges	0,1	0,3	0,3	0,8	0	0,3	0,8	2,6	0,12
Complexity	0,4	0,25	0,45	0,7	0,7	0	0,8	3,3	0,16
Marketability	0,2	0,2	0,2	0,2	0,2	0,2	0	1,2	0,06
								20,8	1

Figure 1: Objective Tree.

	Having Fun (0.2)	Competition (0.2)	Original Solution (0.16)	Budget (0.1)	Mechanical Challenges (0.12)	Complexity (0.16)	Marketability (0.06)	Total
Balloon	8	10	6	4	0	2	6	5,28
	1,6	2	0,96	0,4	0	0,32	0,36	
Air Hockey	8	8	4	8	2	6	8	5,84
	1,6	1,6	0,64	0,8	0,24	0,96	0,48	
Chasing Cars	10	8	8	6	6	8	10	7,48
	2	1,6	1,28	0,6	0,72	1,28	0,6	
Mapping	4	4	8	2	8	0	6	4,04
	0,8	0,8	1,28	0,2	0,96	0	0,36	

Figure 2: Project Evaluation.

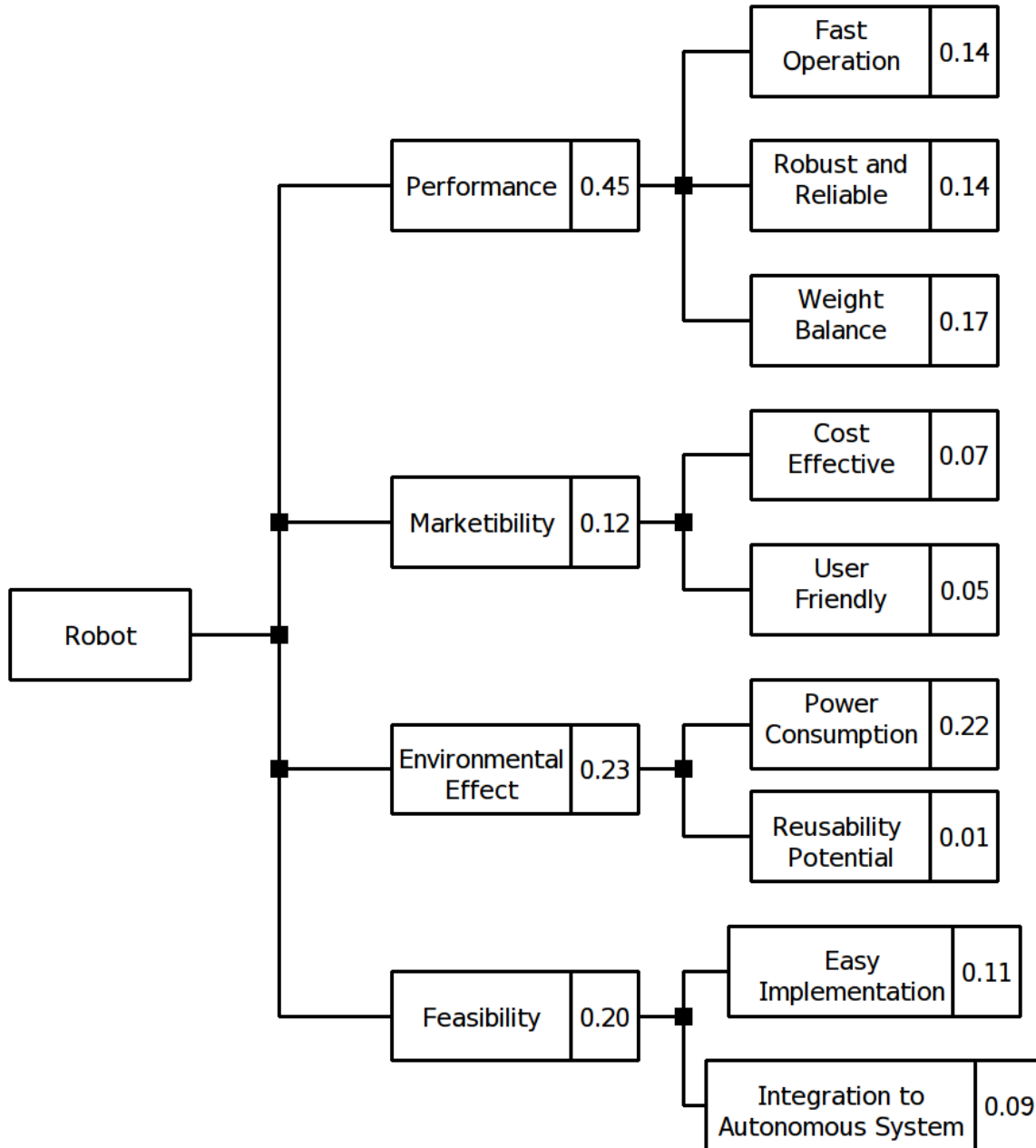- [Team] Progressed in proposal report. Systems and sub-systems of the project are determined.

Figure 3: Project Systems.

- [Team]

2 Plans

- [Halil] More research on OpenCV.

- [Halil] Motor derive and basic sensor usage.

- [Erdem] Possible ways to merge lane information and steering of the wheels.

- [Enes] Built simple two motor system and try differential drive.

- [Group] Gather and define objectives for project selection.

- [Group] Gather and make submodule definitions for the selected project.