

Qatar

Tunisian School (0717)

Period One – Project Plan

- **Goals and Tasks for Botball 2019**

Game Goals and Tasks		Deadlines
<i>1. Review workshop's documents with the team</i>		15/12/2018
	a) Gather team members	07/12/2018
	b) Make sure everyone understands game rules	15/12/2018
<i>2. Prepare the gameboard</i>		29/12/2018
	a) Buy needed supplies and make the buildings	25/12/2018
	b) Print the gameboard and complete it with the buildings and the black tape	29/12/2018
<i>3. Brainstorm strategy</i>		02/01/2019
	a) Discuss collectively each member's ideas	31/12/2018
	b) Devise a strategy that everyone agrees with	31/12/2018
	c) Make the Grafkets of our strategy	02/01/2019

Robot Building Goals and Tasks		Deadlines
<i>1. Plan of the robots (Create and LEGO robot)</i>		02/01/2019
	a) Set the tasks for each robot	31/12/2018
	b) Define each robot's main part(s) based on the tasks	02/01/2019
<i>2. Complete construction of main part of each robot</i>		05/01/2019
	a) Construct the grabber of the Create robot	05/01/2019
	b) Create the scoop of the LEGO robot	05/01/2019

3. Complete the construction of the robots	10/01/2019
a) Assembly all parts of Create robot	10/01/2019
b) Assembly all parts of LEGO robot	10/01/2019

Programming Goals and Tasks	Deadlines
1. Run test programs	05/01/2019
a) Understand and get used to the “C language” through basic programs	30/12/2018
b) Test programming the servos, motors and sensors using the workshop’s slides	05/01/2019
2. Complete programming Create robot	26/01/2019
a) Program grabber of Create robot	10/01/2019
b) Program the Create robot’s movements through the gameboard based on the strategy	17/01/2019
c) Compile all programs (final program’s version)	21/01/2019
d) Checking for mistakes	26/01/2019
3. Complete programming LEGO robot	26/01/2019
a) Program scoop of LEGO robot	10/01/2019
b) Program the LEGO robot’s movements through the gameboard based on the strategy	17/01/2019
c) Compile all programs (final program’s version)	21/01/2019
d) Checking for mistakes	26/01/2019

Documentation Goals and Tasks	Deadlines
1. First Period Documentation Complete	28/12/2018
a) Set meeting days and the division of labor with the team members	08/12/2018
b) Gather data from build and programming team to establish goals and tasks	25/12/2018

2. Second Period Documentation Complete		18/01/2019
	a) Gather data from build team for assignment	10/01/2019
	b) Gather data from programming team for assignment	10/01/2019
3. Third Period Documentation Complete		26/01/2019
	a) Record each member's learned lessons and survey	24/01/2019
	b) List advices for future botball teams	24/01/2019

Schedule Conflicts	Deadlines
1. <i>Delay in arrival</i>	05/01/2019
2. <i>School Exams – team members aren't available</i>	13/12/2018
3. <i>Technical issues – lateness in solving technical issues</i>	15/01/2019

• **Team Organization**

Schedule of Meeting Times:

Regional Workshop: 30th November & 1st December 2018

Regional Tournament: February 8th 2019

- Meeting is based on availability of team members
- Each meeting has a minimum duration of 2 hours

Schedule for December: 6th, 14th, 15th, 16th, 20th, 21st, 23rd, 24th, 26th, 27th, 28th, 29th, 30rd

Schedule for January: 2nd, 3rd, 4th, 5th, 10th, 11th, 12th, 17th, 18th, 24th, 25th, 31st

Schedule for February: 1st, 2nd, 6th, 7th

Division of Labor:

Adult Supervisor: Mr. Aissa Saidi

Robot Building Team for Create robot: Firas Mezghani & Mohamed-Fadi Benabdelafou

Robot Building Team for LEGO robot: Hazem Ben Romdhane & Firas Mander

Programmers for Create robot: Ahmad Samara & Marwen Bali

Programmers for LEGO robot: Azer Abdallah & Fadi Belgacem

Documentation Responsible: Mohamed-Dhia Abdaoui

*Team Leader: Fadi Benabdelafou

Conflict Resolution:

The team has agreed that if disagreements occur, we will handle them in the following way:

- 1- Team Leader (Fadi Benabdelafou) should make an emergency meeting with the members (work may be pended based on the conflict) in which each one gives his opinion and thoughts in turn, in order to find out a solution to the conflict.
- 2- If resolution cannot be reached, the situation has to be transferred to Mr. Aissa Saidi the Adult Supervisor who will join the meeting and understand more the situation, so he can make a choice that everyone will be satisfied with. Mr Aissa Saidi's decision remains final, even if it didn't satisfy all the members.