

Goals and Tasks for Botball 2019

Game Goals and Tasks	Deadline
1. Review game documents	21.01.2019
a. Hand out digital versions of the documents to all team members	18.01.2019
b. Print out all documents and deposit them in school	21.01.2019
2. Build practice game board	25.01.2019
a. Write a list of game board parts missing	21.01.2019
b. Give the list to our teacher	21.01.2019
c. Assemble game table	25.01.2019
3. Complete this year's kit	28.01.2019
a. Check if all kit parts were delivered	21.01.2019
b. Write a list of all kit parts missing	23.01.2019
c. Give the list to our teacher	25.01.2019
4. Discuss strategy	01.02.2019
a. Write list comparing points and practicability	25.01.2019
b. Discuss and choose strategy in the team	01.02.2019

Robot Building Goals and Tasks	Deadline
1. Bot Prototyping	15.02.2019
a. Build Prototype of grappler for mayor, water tank and botguy	11.02.2019
b. Build Prototype of grappler for blue poms and medical/food supplies	15.02.2019
2. Main Bot	01.03.2019
a. Discuss robot's objectives in the construction team	08.02.2019
b. Build mount for camera	15.02.2019
c. Build arm	15.02.2019
d. Build grappler	22.02.2019
e. Mount arm and grappler on create	01.03.2019
3. Second Bot	22.02.2019
a. Discuss robot's objectives in the construction team	01.02.2019
b. Build base	08.02.2019
c. Build grappler	15.02.2019
d. Build basket	15.02.2019
e. Mount grappler on base	22.02.2019
f. Mount basket on base	22.02.2019

Programming Goals and Tasks	Deadline
1. Write test program for yellow/red card (fire) detection	22.02.2019
a. Explore blob detection	11.02.2019
b. Find color values suitable for detecting the card	15.02.2019
c. Write code for color detection	22.02.2019
2. Write init / start up programs	08.03.2019
a. Decide on start positions for each robot	04.03.2019
b. Write init / start up program for second bot	08.03.2019
c. Write init / start up programs for main bot	08.03.2019
3. Write program for main bot	06.04.2019
a. Discuss robot's objectives in the programming team	04.03.2019
b. Write code for collecting the mayor, water tank and botguy	11.03.2019
c. Write code for driving to the skyscrapers and fire station	18.03.2019
d. Integrate code for fire detection	22.03.2019
e. Test and adjust code	06.04.2019
4. Write program for second bot	06.04.2019
a. Discuss robot's objectives in the programming team	01.03.2019
b. Write code for collection the blue poms and medical/food supplies	15.03.2019
c. Write code for placing the blue poms in the water reclamation unit	22.03.2019
d. Test and adjust code	06.04.2019

Documentation Goals and Tasks	Deadline
1. Period 1 Documentation	19.02.2019
a. Discuss goals and tasks with the team	06.02.2019
b. Agree on the dates for meetings	08.02.2019
c. Write document	15.02.2019
2. Period 2 Documentation	12.03.2019
a. Collect information about progress on building the robots	18.02.2019
b. Collect information about progress on programming the robots	08.03.2019
c. Write document	08.03.2019
3. Period 3 Documentation	02.04.2019
a. Hand out survey to team members	22.03.2019
b. Collect answers	25.03.2019
c. Write document	29.03.2019

Schedule Conflicts

Regional Workshop (18.01.2019-19.01.2019)

All team members will attend the workshop. Meetings will be held there.

Midterm holidays (04.02.2019-08.02.2019)

The team will work on the robots. Some team members will be absent.

Coding Contest (22.03.2019)

2 team members will attend a Coding Contest. The rest of the team will work on the robots.

European Conference on educational robotics (08.04.2019-12.04.2019)

All team members will attend the conference.

Team Organization

Schedule of meeting times:

Meetings will start at 2pm.

On days marked blue the team will meet.

On days marked red part of the team will meet.

On days marked yellow robotic related events are held place.

January

Mon	Tue	Wed	Thu	Fri	Sat
0	1	2	3	4	5
7	8	9	10	11	12
14	15	16	17	18	19
21	22	23	24	25	26
28	29	30	31		

February

Mon	Tue	Wed	Thu	Fri	Sat
				1	2
4	5	6	7	8	9
11	12	13	14	15	16
18	19	20	21	22	23
25	26	27	28		

March

Mon	Tue	Wed	Thu	Fri	Sat
				1	2
4	5	6	7	8	9
11	12	13	14	15	16
18	19	20	21	22	23
25	26	27	28	29	30

April

Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6
7	8	9	10	12	13
15	16	17	18	19	20
22	23	24	25	26	27
29	30				

Responsibilities:

Adult Team Leader:	Mr. Stifter
Student Team Leader:	Christoph Schnabl
Programming Team:	Manuel Eiwen, Simon Marton-Lindenthal and Matthias Guzmits
Building Team:	Sebastian Rohrer, Matthias Guzmits and Christoph Schnabl

Conflict Resolution:

Minor Conflicts will be discussed between all persons involved in person or in our team group on social media.

Major Conflicts will be discussed in the next meeting where all persons involved are present. Everyone can express his or her opinion.

If conflicts cannot be resolved within our team, we will ask Mr. Stifter to decide what to do.