

Welcome to NB theme!



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eYRC 2020-21: Nirikshak Bot (NB)

Task 6

Scene Details Document

[Last Updated on: **15th February 2021, 12:00 Hrs**]

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NOTE: All the values mentioned in this document are in meters.

Details of objects related to Platform Table 1

Object Name	x	y	z	Length	Width	Height
customizableConveyor#1	0.05	0.7930	To be decided by teams	0.55	0.12	To be decided by teams
pedestal_t1_1	0	1.6393	0.0005	1	1	0.0005
import_t1_1	0	1.6393	0.005	0.01	0.01	0.005
cb_t1_1	-0.595	1.5893	0.1	0.14	0.14	0.1
cb_t1_2	-0.05	2.2343	0.1	0.14	0.14	0.1

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Object Name	x	y	z	Length	Width	Height
cb_t1_3	0.595	1.6893	0.1	0.14	0.14	0.14
vision_sensor_dummy_1	0	1.6393	1.4265	0.01	0.01	0.01
vision_sensor_1	0	1.6393	1.4265	0.001	0.001	0.001

Table 1: Details of objects related to Platform Table 1.

Details of objects related to Platform Table 2

Object Name	x	y	z	Length	Width	Height
customizableConveyor#2	0.7930	-0.05	To be decided by teams	0.55	0.12	To be decided by teams
pedestal_t2_1	1.6393	0	0.0005	1	1	0.0005
import_t2_1	1.6393	0	0.005	0.01	0.01	0.01
cb_t2_1	1.5893	0.5950	0.1	0.14	0.14	0.14
cb_t2_2	2.2343	0.05	0.1	0.14	0.14	0.14
cb_t2_3	1.6893	-0.595	0.1	0.14	0.14	0.14
vision_sensor_dummy_2	1.6393	0	1.4265	0.01	0.01	0.01
vision_sensor_2	1.6393	0	1.4265	0.001	0.001	0.001

Table 2: Details of objects related to Platform Table 2.

Details of objects related to Platform Table 3

Object Name	x	y	z	Length	Width	Height
customizableConveyor#3	-0.05	-0.7930	To be decided by teams	0.55	0.12	To be decided by teams
pedestal_t3_1	0	-1.6393	0.0005	1	1	0.0005
import_t3_1	0	-1.6393	0.005	0.01	0.01	0.01
cb_t3_1	0.595	-1.5893	0.1	0.14	0.14	0.14

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Object Name	x	y	z	Length	Width	H
cb_t3_2	0.05	-2.2343	0.1	0.14	0.14	
cb_t3_3	-0.595	-1.6893	0.1	0.14	0.14	
vision_sensor_dummy_3	0	-1.6393	1.4265	0.01	0.01	
vision_sensor_3	0	-1.6393	1.4265	0.001	0.001	C

Table 3: Details of objects related to Platform Table 3.

Details of objects related to Platform Table 4

Object Name	x	y	z	Length	Width	Hei
customizableConveyor#4	-0.9013	0.05	To be decided by teams	0.66	0.12	To be decided by teams
pedestal_t4_1	0	0	0.175	1	1	0.1
import_t4_1	0	0	0.355	0.01	0.01	0.01
vision_sensor_dummy_4	0	0	1.7755	0.01	0.01	0.01
vision_sensor_4	0	0	1.7755	0.001	0.001	0.001

Table 4: Details of objects related to Platform Table 4.

General details of objects in the scene

Object Name	x	y	z	Length	Width
vision_sensor_dummy_5	-1.0773	0.05	1.442	0.01	0.01
vision_sensor_5	-1.0773	0.05	1.442	0.001	0.001
ball_dispenser_respondable_1	-1.447	0.187	0.8028	0.6574	0.44
unused_balls_collection_box_1	-1.447	0.162	0.1178	0.14	0.14

Table 5: General details of objects in the scene.

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