

# VOLLEYBOT

## CLASSROOM COURSE

Robots Got Talents  
Educational Courses

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<https://www.robotsgottalents.com/>  
<https://www.facebook.com/RobotsGotTalents/>  
[https://www.instagram.com/robots\\_got\\_talents/](https://www.instagram.com/robots_got_talents/)

### THIS COURSE CONTAINS:

1. Robots Got Talents Student Zone
2. Robots Got Talents Teacher Zone
3. LEGO® MINDSTORMS® For Beginners Book
4. Advertising Material
5. Certificates for all participants
6. Lesson by Lesson Plan
7. Lego MINDSTORMS® Quiz

**And much more**

### COURSE INTRODUCTION

#### VOLLEYBOT CLASSROOM COURSE

VolleyBot is a Classroom Course for Elementary and Middle school Students. Throughout the course participants will learn about robotics, artificial intelligence and programming mainly using the LEGO® MINDSTORMS® Robotics Platform [EV3, NXT] as they Design using LDD, Build and Program their own robots to compete together in a robotic Volleyball matches Guided by Robots Got Talents Student Zone.

This Course contain all needed material to produce the best course experience for Students & Teacher, Student Zone containing Topic by Topic Presentations, quizzes and LEGO® MINDSTORMS® Activities with video tutorials, Teacher Zone containing Course Book, presentations, quiz answers, Advertising Material, lesson plan and teacher guides.

VolleyBot Course consists of 6 main lessons that cover all the topics and activities mentioned in Course Document.

***Good Luck Everyone,***



## TOPICS COVERED:

### VolleyBot Course-RGT 2020

#### Lesson One:

- Introduction to Robotics
- Robotics Characteristics
- Uses of Robots
- Introduction to the Mindstorms Platform
- Mindstorms EV3 and NXT

#### Lesson Two:

- Main MINDSTORMS® Pieces [NXT, EV3]
- Mindstorms Technic Pieces
- Building Exercise 1
- EV3-Q Blocks

#### Lesson Three:

- LEGO® Digital Designer
- LDD Modes
- LDD Controls
- LDD Exercise 1

#### Lesson Four:

- Action Blocks
- Building Exercise 2
- Programming Exercise 1

#### Lesson Five:

- Programming Exercise 2
- Flow Blocks
- Programming Exercise 3
- Building VolleyCourt

#### Lesson Six:

- Programming Exercise 4
- General Revision
- Game Rules & Matches



## Hosting the course

### VolleyBot Course Hosting

#### Step One:

Any school or educational organization with +10 students could simply host any of Robots Got Talents Courses or Camps courses by filling the form Available in the Website and within 2 days you will receive the chosen course login password via mail.

#### Step Two:

After receiving your login password, Open the teacher zone and download the lesson Plan, books, presentations and premade advertisements. Robots Got Talents also offer a free PDF version of the Lego Mindstorms For Beginners book for all course participants (don't forget to print it).

#### Step Three:

The next step is opening the Students Zone, The Student zone is a lesson by lesson plane made by the course authors to the camp participants each student using the website will find access to all VolleyBot Course activities, resources, tutorials, presentations and other tools.

RoboArt Course Hosting  
Robots Got Talents Summer Camp 2019

First Name	Last Name	Organization Name
Email	Position/Job title	Country

Web Address or FB  
Add answer here

Why do you want to host this course

☐ I accept terms & conditions

**Submit**

Thank You.

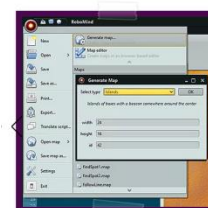
You will receive your password via mail within 2 days

### Hosting the Camp Form

## What should be in the classroom

To produce the best Course Experience for the course participants you should have the following:

- Computer/laptop for each camp participant that have access to LEGO® MINDSTORMS® Ev3 Software and Robots Got Talents Website
- Internet access
- Teacher PC that have access to LEGO® MINDSTORMS® Ev3 Software and Robots Got Talents Website
- Additional Materials as Projector, Tablets
- LEGO® MINDSTORMS® For Beginners Book (PRINTED)
- Quiz Printed (IF NEEDED)
- LEGO® MINDSTORMS® Ev3 or NXT Sets



### Map Generator:

The first way of creating a map is by the map generator built in the software and we prefer that teams try creating their own maps using this way. To open the map generator you should open:

[menu-open map-generate map](#)

then you choose a map type, add length width and in some versions you should add

ID:  
Map Type:  
Width:  
Height:



.....

### Students Zone

## Important Notes:

Robots Got Talents want to ensure that everything in the course is working probably so each session the course directors are advised to send minimum of three photos that shows that everything working probably.

The person filling the form will be registered as a national course director; if the organization will to change the course director they must send a mail to robotsgottalents@yahoo.com

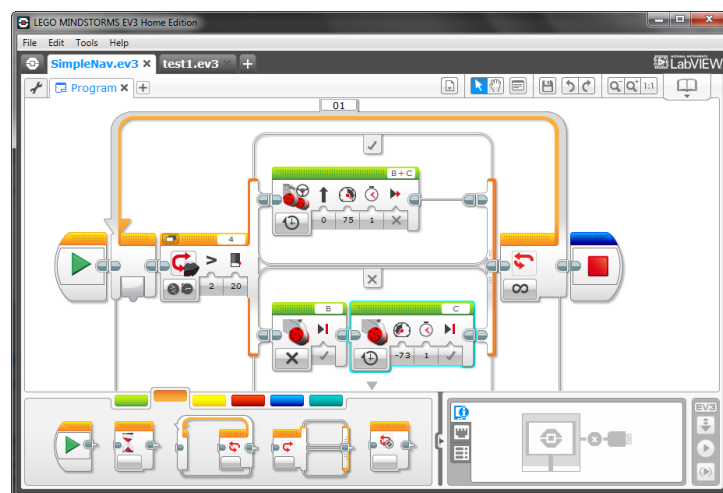
## Terms & Conditions:

Robots Got Talents 2019,2020

- Organizations using the course are not allowed to use course guides, presentations or logos in any other course, course or challenge
- Each time the organization wants to repeat the course they must refill the form
- You are not allowed to share or give the course to any other organization without Robots Got Talents permission.
- You are allowed to use this course for commercial uses with including Robots Got Talents name.
- All students must be given Robots Got Talents course certificate
- .National Course directors must send 3 photos each day in the course to show that everything is good.
- You are not allowed to edit course presentations or guides
- By starting the VolleyBot course you agree on all Robots Got Talents terms and conditions.
- For publishing any of the courses photos on social media you must tag Robots Got Talents or use the hash tag (#robotsgottalents)

All teachers using Course the form must use the Robots Got Talents Course Plane. Organizations are allowed to add extra lessons for graduations or course introduction.

Organizations are allowed to use this course for commercial uses with including Robots Got Talents name but they are not allowed to sell the course or the course resources. Read the Terms and Conditions for further information.



**FEEL FREE TO CONTACT US FOR  
FURTHER QUESTIONS**