



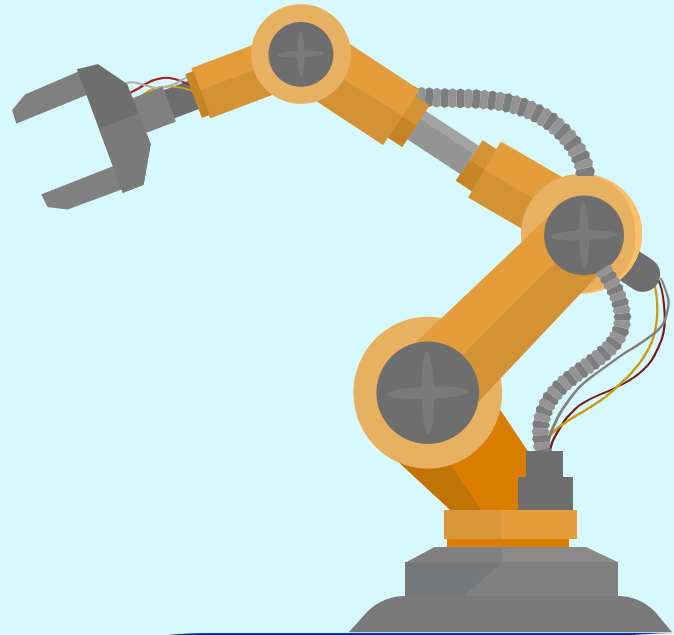
**Shrividya Institute**  
of Skill Development  
[www.shrividyaonline.com](http://www.shrividyaonline.com)



**DNYANADA**  
ENGLISH SCHOOL  
[www.dnyanada.net](http://www.dnyanada.net)

# Robotics & Coding

A course for advancement of  
next-generation youngsters



MARCH 2024

COLLABORATION OF

Shrividya Institute of  
Skill Development  
&  
Dnyanada English  
School



Education is not the learning of the facts, but the training of the mind to think.

- Albert Einstein

# Table of Contents

**03**

About Robotics & Coding

**04**

Robotics & Coding

**05**

Learner level

**06**

Creator level

**07**

Innovator Level

**08**

Mission & Vision

**10**

Photos

**11**

Contact Information

# About Robotics & Coding



Robotics & Coding is an initiative by Shrividya Institute of Skill Development towards advancement of the new generation kids. In future, fields like Electronics, Robotics , computer are going to be key and the upcoming generations must be ready for the new challenges.

With increasing use of technology, the need for the basic knowledge and skills related to electronics and coding has increased. The technology has entered into every field, from Medical to automotive, from small businesses to large scale businesses and is expected to enter into almost all fields.


With rise in IOT (Internet of Things) , AI (Artificial Intelligence) , the use of technology has entered into daily life of human lives and is projected to grow at very rapid rate. However, the rise of technology comes with its drawbacks. The children have started to get addicted to mobile, Computers and are facing its vicious side effects. To overcome these drawbacks of technology, children must be taught about positive aspects of technology.

Keeping this in mind, Shrividya has developed a Robotics & Coding combined curriculum for the students from standard 4th to 9th. The course will cover all the positive aspects and benefits of the upcoming technologies which will surely help a child in his/her future endeavors.

# Robotics & Coding


## A complete 3 year package

**1<sup>st</sup>**  
**Year**



**Beginner**  
A FIRST STEP TOWARDS  
ROBOTICS & CODING

**2<sup>nd</sup>**  
**Year**



**Intermediate**  
A SECOND STEP TOWARDS  
ROBOTICS & CODING

**3<sup>rd</sup>**  
**Year**



**Advanced**  
THIRD STEP TOWARDS  
ROBOTICS & CODING

We focus on giving hands-on training and exposure to the students with our well-trained teachers and fully equipped Robotics and Coding laboratory.

Shrividya & Dnyanada in collaboration offer 3 yearly programs: Beginner, Intermediate & Advanced

- Well-equipped lab with all the required instruments
- All safety measures and precautions are ensured
- Individual workstation for each student to learn and explore independently

"Robotics & Coding" is an initiative by Shrividya Institute of Skill Development along with Dnyanada English School for students of standard 4th to 9th. Our vision is to give early exposure of technology like electronics, arduino programming, robotics, coding etc. to kids.

# Beginner Level - 1st Year

It's All About Learning & Exploring



## Learner

All fundamentals related to robotics and basic electronics will be taught and explained to the students via plenty of projects. After basic robotics, coding will be introduced to students. An engaging problem based coding curriculum will help students in developing Logical & reasoning skills. In this stage, students can freely learn and explore various concepts.

Students will gain lot of skills and experience, but some of them are listed below:



**Logical Thinking**



**Creativity**



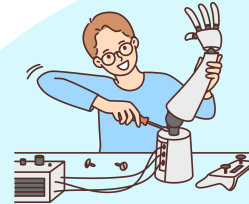
**Learning with Fun**



**Exposure to basic equipment**



**Problem Solving**



**101 Projects**

Students will build 101 projects



**100+ Lab Experiments**

Students will perform 12+ experiments in Lab



**120+ Hour of teaching**

Students will experience 120+ hour of lab exposure & teaching

# Intermediate Level - 2nd Year

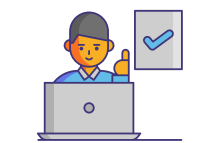
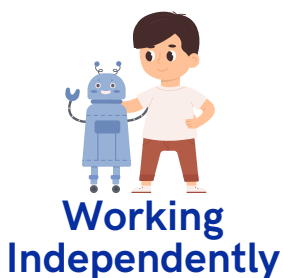
It's All About Creating & Building



## Creator

After successfully completing Learner Level, students enter into next level, i.e. Creator, In Creator level, students will be given a problem statement related to robotics and electronics projects and hints regarding the solution. Students will build project on their own. Students will use the experience and knowledge which they have gained previously. In this level, students will learn to use their concepts and build a solution with the help of hints.

Students will gain lot of skills and experiences, but some of them are listed below:



## 101 Intermediate Level Projects

Students will build Intermediate level projects which includes coding



## Lab advanced Experiments

Students will perform Intermediate experiments in Lab

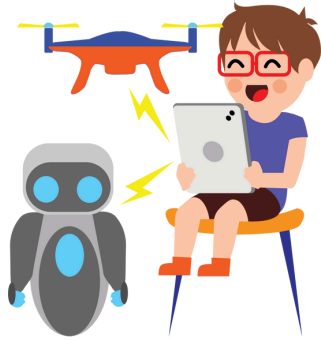


## 120+ Hour of advanced teaching

Students will experience 120+ hour of lab exposure & teaching

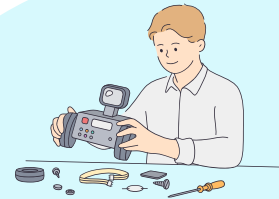
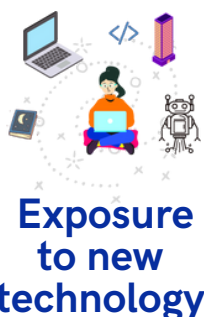
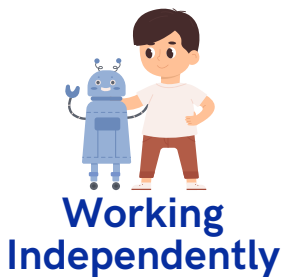
# Advanced Level - 3rd Year

It's All About Innovation



## Innovator

After successfully completing Creator Level, students enter into next level, i.e. Innovator. At this stage, students will be ready to build a solution and solve real-life problem statements on their own! From the knowledge gained from above two levels, students will be able to come -up with their own unique solutions! Students will gain lot of skills and experiences, but some of them are listed below:



## Advanced Level Projects

Students will build Advanced level projects which includes coding



## Lab advanced Experiments

Students will perform advanced experiments in Lab



## 120+ Hour of advanced teaching

Students will experience 120+ hour of lab exposure & teaching



# Mission and Vision

## Mission

To give early exposure of technology like electronics, Arduino programming and robotics to students

## Vision

To create an opportunity for every child to develop an interest in the field of electronics and robotics.





# Photos of previous Workshops

See how students will work in amazing Robotics & Coding lab.



# Photos of previous Workshops

See how students will work in amazing Robotics & Coding lab.





**Shrividya Institute**  
of Skill Development  
[www.shrividyaonline.com](http://www.shrividyaonline.com)



**DNYANADA**  
**ENGLISH SCHOOL**  
[www.dnyanada.net](http://www.dnyanada.net)

**For inquiries,  
contact us.**

[www.shrividyaonline.com](http://www.shrividyaonline.com)  
8149298868