

**MINT GENIE**

MATHEMATIK, INFORMATIK,  
NATURWISSENSCHAFT UND TECHNIK

An initiative of Paatashaaley

[www.paatashaaley.com](http://www.paatashaaley.com)

**Prepare for the Future with STEM Education**

**\*Science Technology Engineering and Math**



# Paatashaaley

Paatashaaley focuses on preserving and nurturing the rich culture and traditions of India.

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# MINT Genie

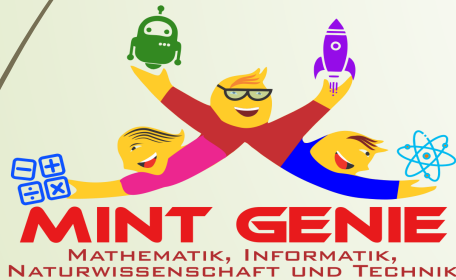
MINT Genie is the technology focused initiative of Paatashaaley.

We are really passionate about technology and believe that we can harness its power when used in the right manner for the betterment of mankind.

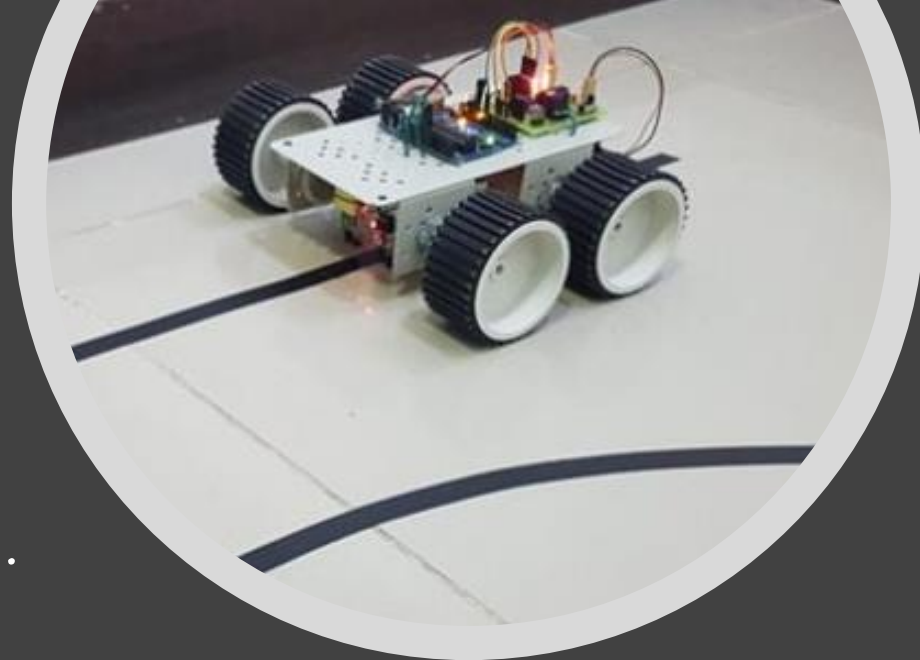
We would like to get children interested in the various branches of Science, Electronics and Math and help them prepare for a future surrounded by technology by being creative and curious.

To learn more about our other programs, visit

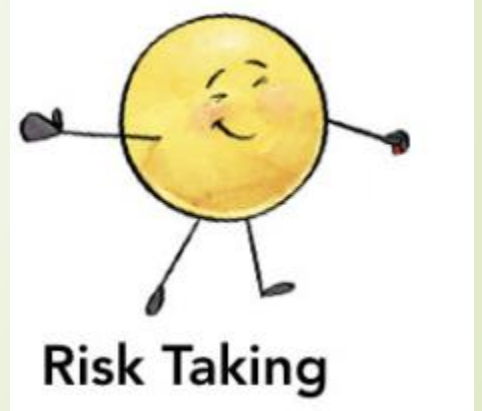
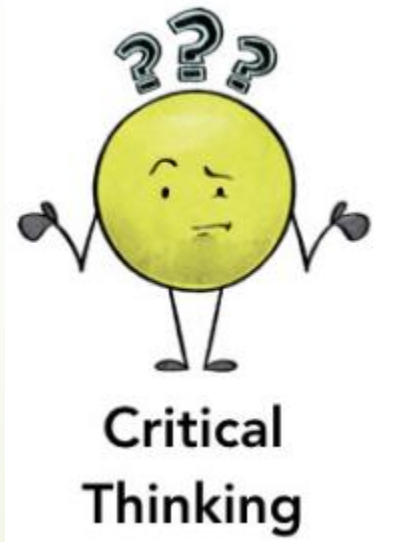
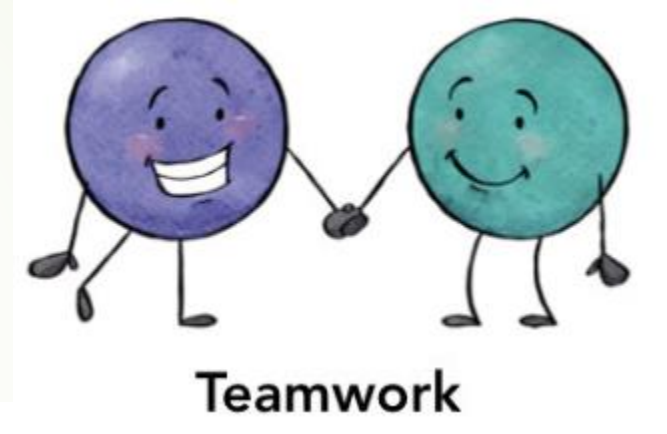
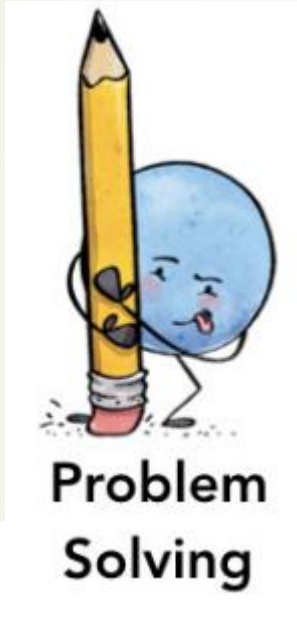
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Upcoming workshops...



# How does it help children?





# Workshop Highlights

- Progressive Program for 3 months
  - 1 level every month (Creator, Innovator and Visionary)
  - 1 hour every week
- Interactive
  - Closely monitored sessions
  - Remotely tracked progress
  - Short assignments every week
- Design Challenge at the end of every level



# Requirements:

- ▶ Must have a tablet/Laptop with internet access (webcam optional - but nice to have)
- ▶ Mobile phones are not suitable for live sessions as it requires switching between browsers and live sessions
- ▶ Google login credentials to join sessions and share progress
  - ▶ Parent managed child account to be created by providing correct age.
- ▶ To save the programs and share it with the teacher, a Github account would be created
- ▶ Innovator and Visionary Level will need additional hardware purchase (web links to kits will be provided)
- ▶ For our Junior group:
  - ▶ Parent(s) help will be required initially
  - ▶ Basic starter kit for Jr.Visionary level

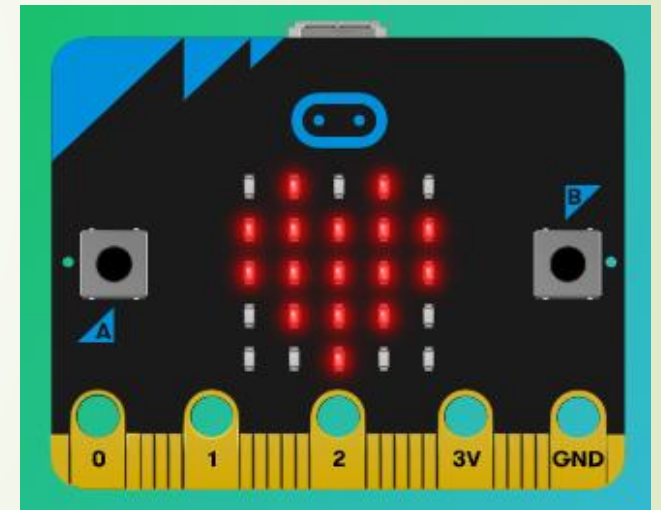
## ► Topics: **Introduction to Robotics**

- Step-by-step instructions
- Repeating instructions (loops)
- Checking a condition (logic)
- **Goal:** Strengthen Basics. Create a robot that can do a repetitive tasks based on conditions

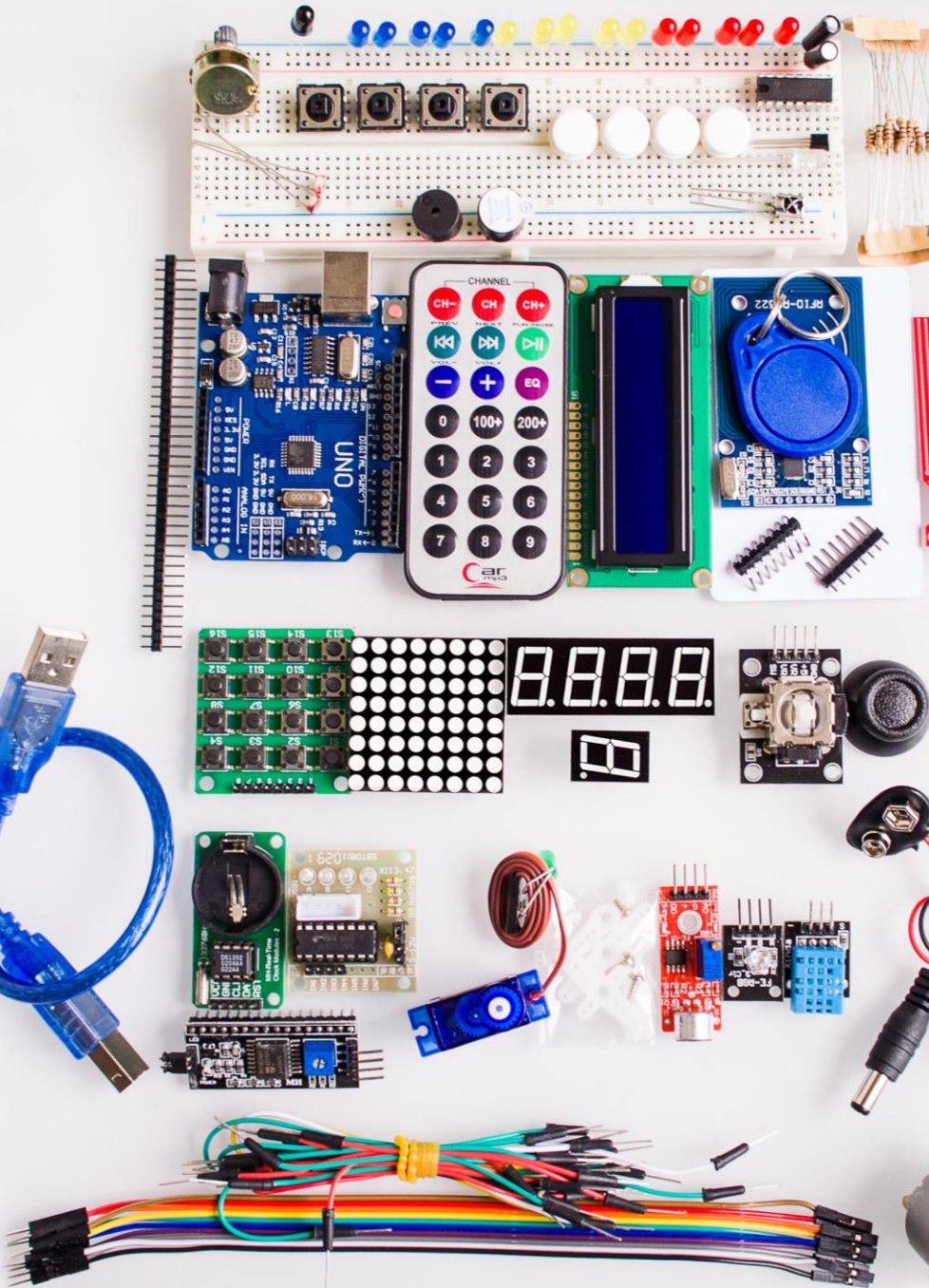
Creator  
(4 weeks - July)

# Innovator (4 weeks - August)

- ▶ **Topics: Interacting with the environment**
  - ▶ Learn to see around you using light/sound/touch...
  - ▶ Counting events and measuring physical quantities
  - ▶ Create wearable robots
  - ▶ **Goal:** Build a Robot to interact with its surroundings
- ▶ BBC Micro:Bit is the microcontroller of choice







# Visionary

(4 weeks - September)

- Topics: **Solving real world problems**
- Setup multiple problem scenarios and tackle them
- Search and Rescue missions (on a table)
- Cryptography – a way to send Secret messages
- Pixel animation
- **Goal:** Ready for a Big Robo Challenge
- Some additional hardware would be needed – links will be provided
- Interested kids will be mentored to participate in Lego and other Robotics Challenges
- If there are minimum of 5 members who would like to start with “Visionary” level, then a new session can be planned.

# More details...

Batch	Duration**	Age	Time slots # (Every Sunday)	Cost *
Creator	July (4 Weeks)	8-10 (Jr.)	10am (Germany) / 1:30pm (India)	25 Euros / 2000 INR
		11-14	11:30am (Germany) / 3pm (India)	
Innovator	August *** (4 Weeks)	8-10 (Jr.)	10am (Germany) / 1:30pm (India)	30 Euros / 2500 INR
		11-14	11:30am (Germany) / 3pm (India)	
Visionary	September (4 Weeks)	8-10 (Jr.)	10am (Germany) / 1:30pm (India)	35 Euros / 3000 INR
		11-14	11:30am (Germany) / 3pm (India)	

Payment Origin	Mode	Details
Payments from Germany	Direct Debit	IBAN: DE77 6601 0075 0507 5467 55 BIC: PBNKDEFF
Payments from India	PayPal (Send money option)	Paatashaaley.ka@gmail.com

\* Cost is excluding hardware

\*\* Based on request of multiple students, we can start intermediate/advanced session earlier in parallel

\*\*\* last week of August will be used for Progress test/review

# Timeslots in August/September can be changed slightly



# Thank you

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