

{CODE IT}

<https://vaguefoundation.com>



THEME: INTERNET OF THINGS

EDITORIAL

We're happy to publish this newsletter called "**Code-It**". This newsletter is theme based newsletter. Our this month's theme is **Internet of Things (IoT)**. It an attempt to provide awareness through guest article(s), news, trends, puzzles, etc., so you get to know what is happening around the world. We hope you will love to read it.

Internet of Things (IoT) is everywhere. Students you may have heard this! So that's why the theme of this news letter is! Connected devices are growing exponentially year after year. And even these devices autonomously communicate and behave. So in this newsletter we will see about IoT and what you can do with it.

In case of any query write us to on vaguefoundation@gmail.com or visit our [website](#).

Happy Coding!

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GUEST ARTICLE

by *Sohil Pandya*

In the days while we're moving from 4G to 5G, it is quite obvious that the connected devices will be more. These devices now not only your cell phones/tablets, but your AC's, cars, manufacturing units, control rooms, and the list is endless. Yes, welcome to more connected world!

The Internet of Things (IoT) describes physical objects (or groups of such objects) with sensors, processing ability, software, and other technologies that connect and exchange data with other devices and systems over the Internet or other communications networks (Source: Wikipedia). In future, there will be lot many applications in domains like consumer applications, industrial applications, military applications, infrastructure applications.

All these devices, sensors, actuators, etc. need to be coded. So they can read data and behave according to conditions. Sometimes even these systems even can take their own decisions autonomously like Self Driving Cars.



[The Author is a professor in computer science and is having 17+ years of experience in teaching and research]

Lot many applications other than the Driverless Car will evolve in future. As a faculty, I would like to advice/suggest the students to be updated about this technology and try to understand basic aspects of coding.

"Coding will be the backbone for IoT."

Once, you know basics of about coding you can learn IoT, Robotics, Metaverse, Blockchain technologies, etc. very easily.

IoT will lead the Fourth Industrial Revolution, i.e. Industry 4.0. Entire perspective of jobs and careers will be impacted by this revolution. 65% of current jobs will be obsolete by 2032. The students needs to have problem solving aptitude, good communication skills, reasoning skills, etc. along with technical skills.

So, in a nutshell, IoT is one of the technologies, in the future, which needs to be explored by the students for their better career. Best wishes.

NEWSROOM



First Step towards the Future

- Mr. Dhaval Patt, Principal, Shri. L. G. Haria School, Jamnagar

Shri. L. G. Haria School, One of the oldest (40 years!!!) schools of Jamnagar, has tied up with Vague Foundation for offering coding to all the students of it through by Mr. Dhaval Patt (Principal) and Ms. Jigna Pandya (Founder, Vague Foundation), with the gracious presence of Dr. Bhartesh Shah (Trustee, Oshwal Education Trust), Dr. Sohil Pandya (Professor), Ms. Vidhi Shah (CA), and Mr. Vyomesh Vaidhya.

Mr. Dhaval (Principal) was quite excited since we had a pilot project with the school during October 2021. He himself given a thought that we nurtured to provide "Coding" as a subject to all the students. Thank you sir!



Providing the best is our top-most priority

- Ms. Shivani Acharya, Principal, Radhika EduCare School, Jamnagar

Radhika EduCare School, One of the growing schools of Jamnagar, has tied up with Vague Foundation for offering coding to all the students of it through by Ms. Shivani Acharya (Principal) and Ms. Jigna Pandya (Founder, Vague Foundation), with the gracious presence of Dr. Bhartesh Shah (Chairman, Jain Education Trust), Mr. Atul Shah (Trustee), Mr. Ajay Vora (Trustee), Dr. Sohil Pandya (Professor), and Ms. Vidhi Shah (CA)

Ms. Shivani (Principal) suggested interdisciplinary applications of coding to other subjects in future in line of CBSE curriculum.



We don't say we are the best, but our results always prove it.

- Dr. Bhartesh Shah, Founder, Radhika Classes, Jamnagar

One of the popular name among the students for coaching is Radhika Classes. It has tied up with Vague Foundation for offering coding to all the students of it through by Dr. Bhartesh Shah (Founder) and Ms. Jigna Pandya (Founder, Vague Foundation), with the gracious presence of Dr. Sohil Pandya (Professor), and Mr. Nirav Panara (Faculty).

Dr. Bhartesh Shah, a visionary leader and educationist, has played pivotal role in establishing relationship with our all endeavors in Jamnagar. We're thankful to him for continuous guidance and support

NEWSROOM



Training of the Future Trainers

All the teachers of Shri. L. G. Haria School, Radhika EduCare School, and Radhika Classes gone through a rigorous training of almost 3+ (during April, May and June 2022) months for various levels by us in offline/online/hybrid mode. The teachers were very excited to learn these levels. They have been equipped with related Learning Management Software (LMS), Online Portals, etc.

These "gurus" have made up their minds to give the best to their students so they have engaged themselves seriously and genuinely. This picture is taken while finishing of the training program. After every level, a status review meeting is organized by us with respective heads for feedback and suggestions. The principals and trustees were also monitoring the process with keen interest.



Milange 2.0 @ RES, Jamnagar

One of the most awaited event for Radhika EduCare School, Milange. Every year to show case students' talent, RES organizes this amazing exhibition for students. This year Milange was organized during 18-19 June, 2022. This year, the school has introduced two special features: **Coding** and **French Language** for the students.

The Milange 2.0 was inaugurated by Ms. Binalben Kothari, Mayor, JMC and other guests and dignitaries.

Various Science and Maths projects / demonstration / models were presented by the students to the visitors. Many schools and organizations took part of this event.

We're thankful to the management of Radhika EduCare School for inviting us to be part of it.

Melange 2.0

GLIMPSES



TRENDS - INTERNET OF THINGS

GOOD TWITTER HANDLES



IOT GUIDE



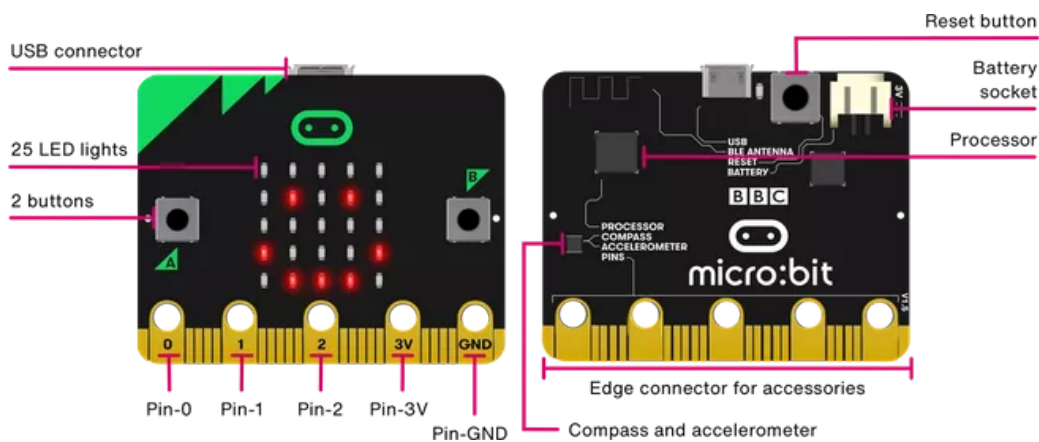
MICROSOFT IOT

SCAN THESE QR-CODES TO GO

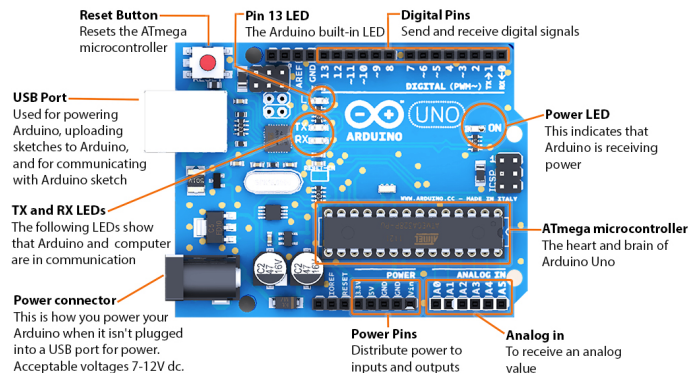
GOOD VIDEO TO SEE



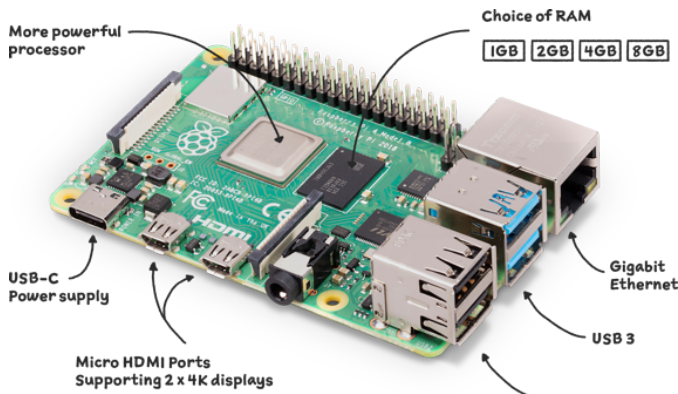
GOOD BLOG TO READ



MICRO:BIT



ARDUINO UNO



RASPBERRY PI

GREY MATTER

SUDOKU

5	3			7				
6			1	9	5			
	9	8					6	
8				6				3
4			8		3			1
7				2				6
	6					2	8	
			4	1	9			5
				8			7	9

Rules: (i) Each row and column must contain the numbers from 1 to 9, without repetitions. (ii) The digits can only occur once per block

REBUS PUZZLE

A rebus is a puzzle device that combines the use of illustrated pictures with individual letters to depict words or phrases. Rebus Writing can be a really helpful tool to incorporate into lessons at school, particularly those teaching Phonics. Because the Rebus principle focuses on pictographs representing single words, sounds and syllables, it can help children get to grips with specific phonemes they need to know and lateral thinking among students. Example:



Cutting Edge



INVITATION & ANNOUNCEMENT

Theme based articles / essays are invited from the students and faculty members for the Upcoming Issue of "Code-IT". The theme of next issue is **Artificial Intelligence**. Selected articles will be published in this newsletter and e-certificate will be given to the author(s). Authors can submit their article with photograph on vaguefoundation@gmail.com on or before **31/08/2022**.

Important Instructions:

- The article must be of 300 to 500 words.
- The article must be original (if taken from other website/material, please mention the source).

Publisher



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