



YANTRAH

edutech

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NEWSLETTER

Intern Training

3D Printing and Robotics
Workshop

The Radial Engine



CONTACT US

**YANTRAH
EDUTECH
SOLUTIONS PVT.
LTD**
+91 95376 65361

yantrah.edu@gmail.com
www.yantrah.in

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WELCOME

Back for Issue 5

Hello and welcome back for our fifth edition of Yantrah Edutech's Newsletter. We were busy running our annual 3D Printing and Robotics workshop over May. We've also had interns on board getting hands on!

A little something we forget to mention last month, we are now based out of the Surati iLab premises in Udhna, Surat.

A call to all makers, if you have made something amazing and want to show the world, get in touch with us and you could be seeing your creation in our next issue.

We hope you enjoy this one.

TULSI PATEL
Editor-In-Chief

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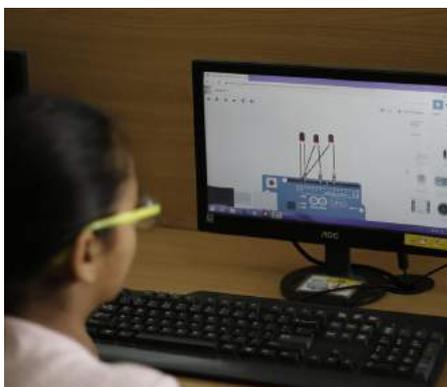


3D PRINTING & ROBOTICS WORKSHOPS

May = 3D Printing and Robotics time. Held at T.M. Patel International School, Surat, we ran workshops across 2 weeks. Students were exposed to 3D pens, 3D modelling/designing and printing, E=electronics and circuit simulations, coding and robot assembly.

It was no surprise that it was hard keeping the students away from the 3D pens. It was great seeing their creativity flourish!

We had some students who hadn't come across circuits before and particularly liked learning all about them and doing virtual simulations in Tinkercad.

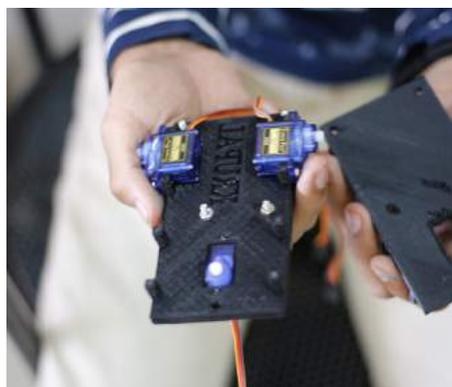
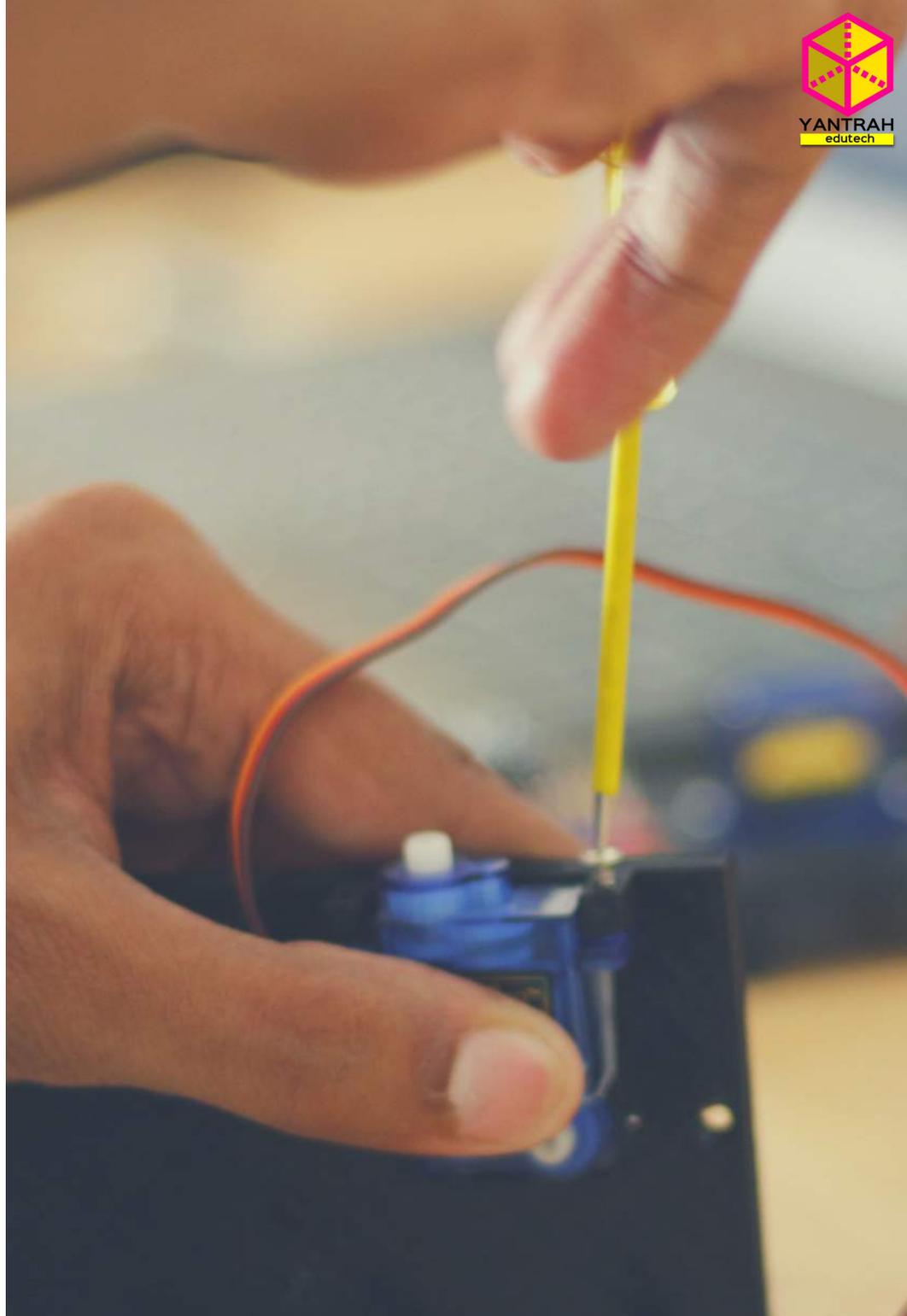


INTERN TRAINING

We had our interns getting hands on just like the rest of our students that come through our 3D Printing and Robotics workshops., We like to use TInkercad for not just our younger students but also our older students due to its versatility.

The focus for our interns was prototyping and utilising 3D printing to help in this process. We had them problem solving, measuring, designing, prototyping, assembling, analysing and revising. Exposing them to some real life skills to help them going forward.

We loved hearing all the ideas they came up with as they tackled the problems we threw at them!



OUR TOP PRINT THIS MONTH

The radial engine is a reciprocating type of combustion engine configuration in which the cylinders 'radiate' outward from a central crankcase like the spokes of a wheel.

Find more photos on our insta!

Print one for yourself!

You can see our make here
<https://www.thingiverse.com/make:665243>

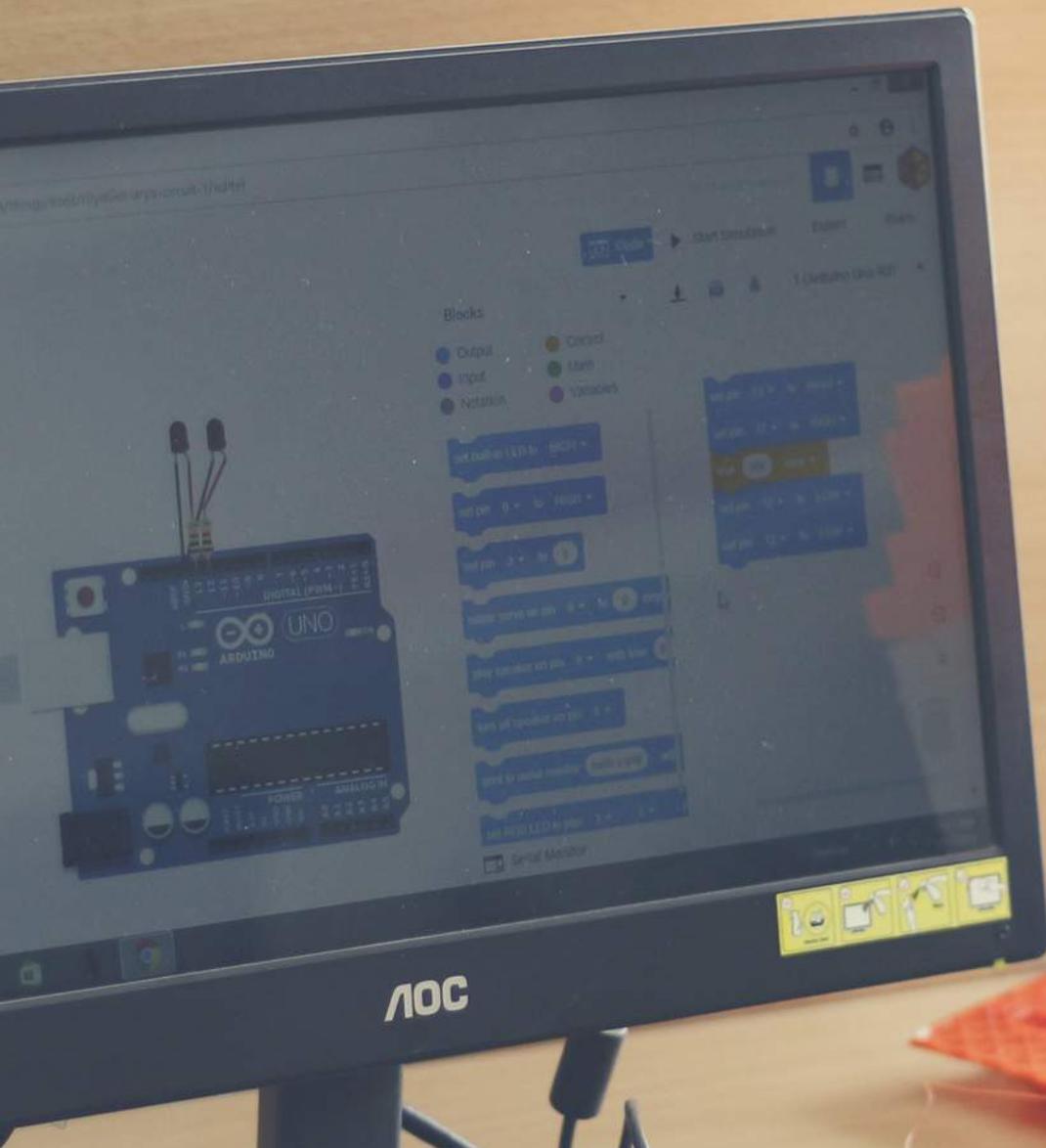


WOOD

These days, wood filament is PLA-based, Many different types of wood have emerged, as well! You can now choose between birch, coconut, bamboo, timber, cedar, and many others. Typically, wood filaments contain 70% PLA and 30% wooden fibers, but it all really depends on the filament manufacturer.

DID YOU KNOW?

While PLA and ABS are the most common types of filament used in 3D printing, there are several other more 'exotic' types of filament. One of those is wood!



AOC



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