

# YANTRAH

edutech



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## NEWSLETTER

Filip Robot

Maker Spotlight - The 3in1  
3D Printer

Workshop Demos



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# WELCOME

Back for Issue 4

Hello and welcome back for our fourth edition of Yantrah Edutech's Newsletter. This month has been a little on the quieter side with a lot of work happening behind the scenes with workshop preparations and location scouting.

We have been doing some 3D printing material testing over the month and have been diving deeper into the advantages 3D printing brings over other techniques of production.

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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# WORK - SHOP

## DEMO

Before running our workshops we like to hold demos to show the tools that we use and what students will learn in our workshops.

This is a great opportunity for both parents and students to get a glimpse of what we are all about!

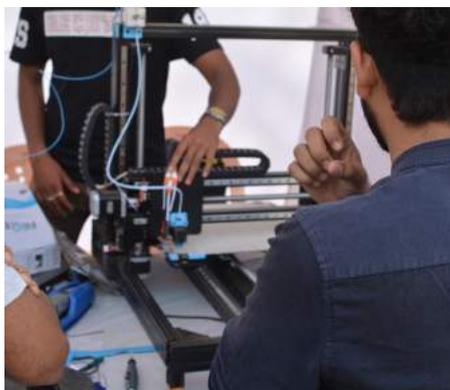
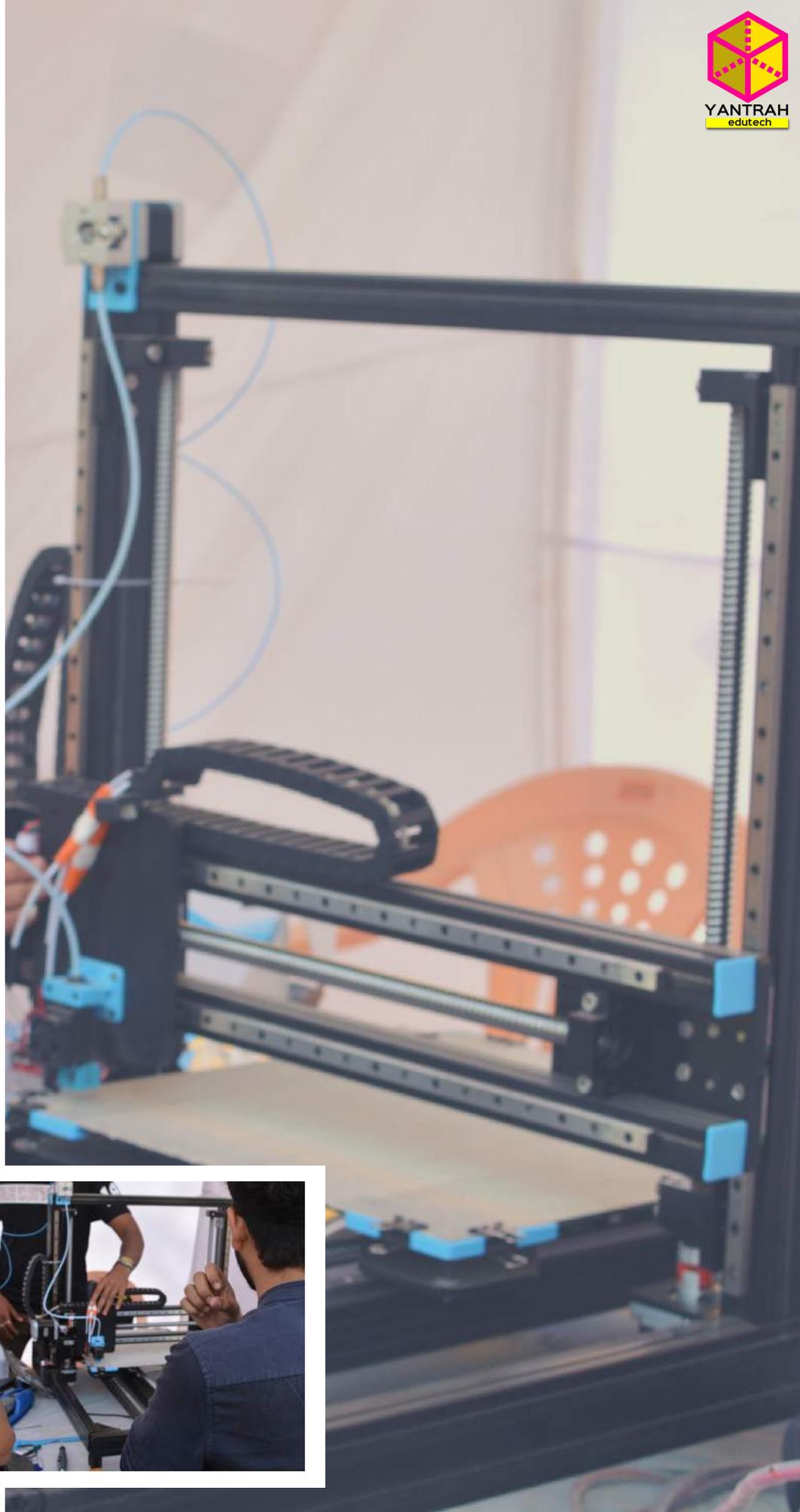
As usual we had one of our 3D printers on show along with some 3D printed parts to show off the versatility of 3D printing. And our beloved Duikshaw was also out!



# MAKER SPOT- LIGHT ASHLESH

We came in contact with Ashlesh (pictured bottom left) when he wanted some urgent 3D printed parts from us, and then came across him again at MakerFest Vadodara, where him and his team had put those 3D printed parts to good use.

This large large looking machine is the creation of these GCET students, a 3D printer, laser engraver and cnc cutter all in the one!



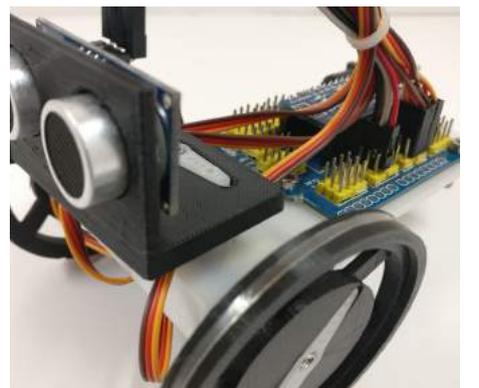
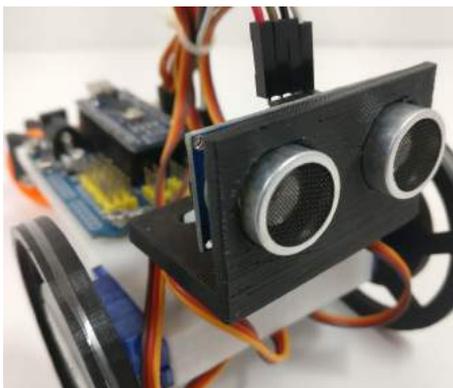
# OUR TOP PRINT THIS MONTH

Meet robot Filip!

Just a few 3D printed parts and some basic electronics are required to get this robot up and running. It consists of one Ultrasonic sensor, two continuous servo motors and one micro servo motor. It is controlled with an Arduino nano.

Find more photos on our insta!

Print one for yourself!  
<https://www.thingiverse.com/thing:1322265>



10% Infil



20% Infil

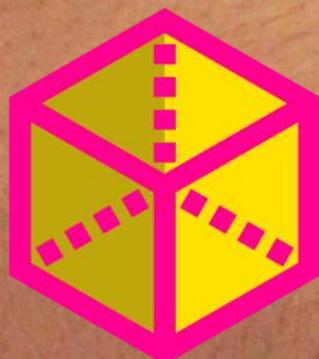


40% Infil



## DID YOU KNOW?

One of the key advantages of 3D printing is that it allows you to control the infill of the printed structure. The higher the infill percentage, the greater the density. Conventional manufacturing like CNC or injection molding wouldn't allow you to control such parameters.



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