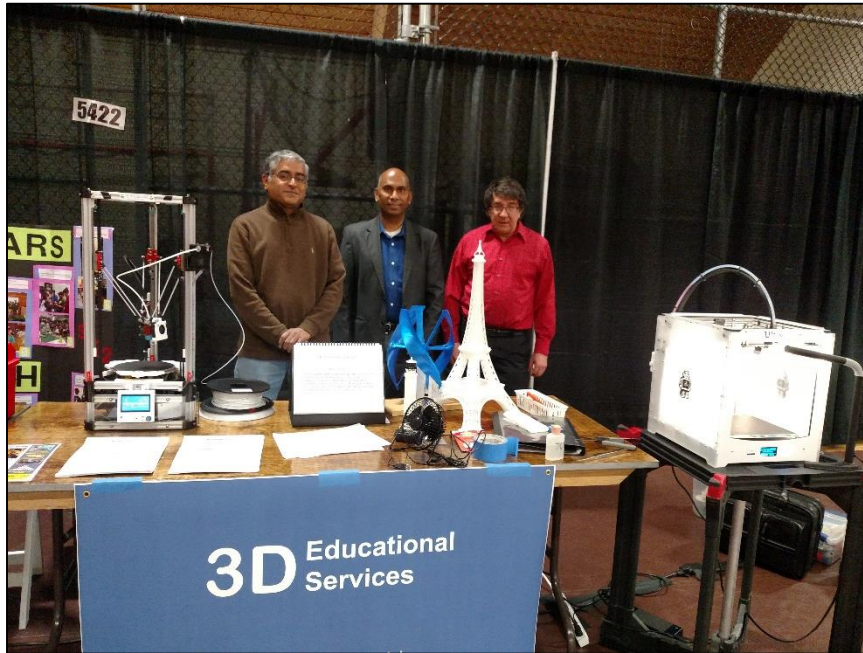


**3D Educational  
Services Inc**

[www.3desinc.biz](http://www.3desinc.biz)



Nandu Vellal, Co-founder, Product Development

Rich Thall, Co-founder, 3D Printing Guru

Satish Mantripragada, Business & Corporate Strategy

# Company Overview

- ✓ Design and build products and services using 3D Technology
- ✓ More than a decade of combined experience in 3D Technology & Electronics
- ✓ Prior experience in bringing Technology Education to K-12 (Jr. high, High-school) students
  - Makerspace for kids
  - 3D Design and 3D Printing
  - Digital Fabrication

- ❖ Enhance employability of post secondary students
- ❖ Forge clear links between study and work skills in critical industries especially manufacturing
- ❖ To overcome obstacles of misaligned expectations & disparate perspectives of various stakeholders
- ❖ To meet expectations of obtaining employable skills within reasonable costs - money & time

## Key Initiatives

- ❖ Establish partnerships between trainers, curriculum developers & educational institutions (community colleges)
- ❖ Collaborate with potential employers to develop internship programs
- ❖ Develop industry specific talent pipeline focused on top growth oriented industries such as Advanced Manufacturing & Information technology
- ❖ Develop consulting/advising services in academic program design, course content, Work-Integrated-Learning opportunities (Internships, Co-op etc.)

# Current Programs

- ❖ Offering summer program at North Shore CC
- ❖ Offering physical computing immersion program (summer) for middle to high schooler's at Mass Bay CC
- ❖ Conducting physical computing program at South Merrimack Christian Academy for middle schooler's.
- ❖ Creating DIY “maker” kits to teach 3D design & Robotics applications for education market.

## Impact

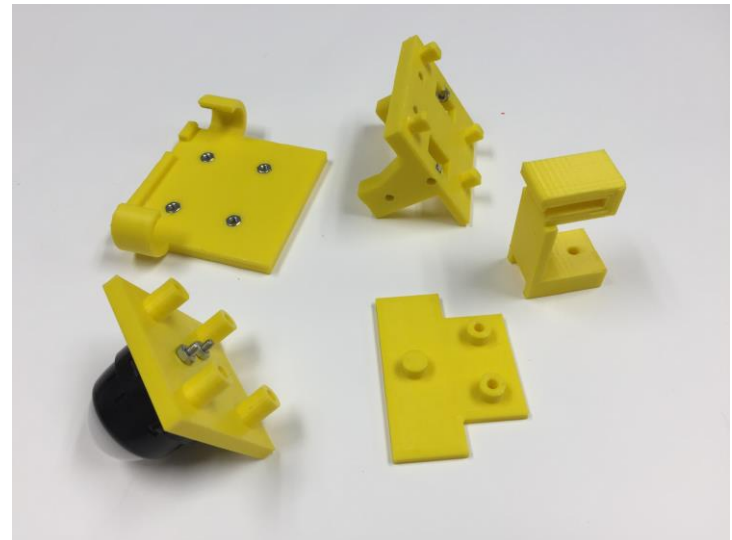
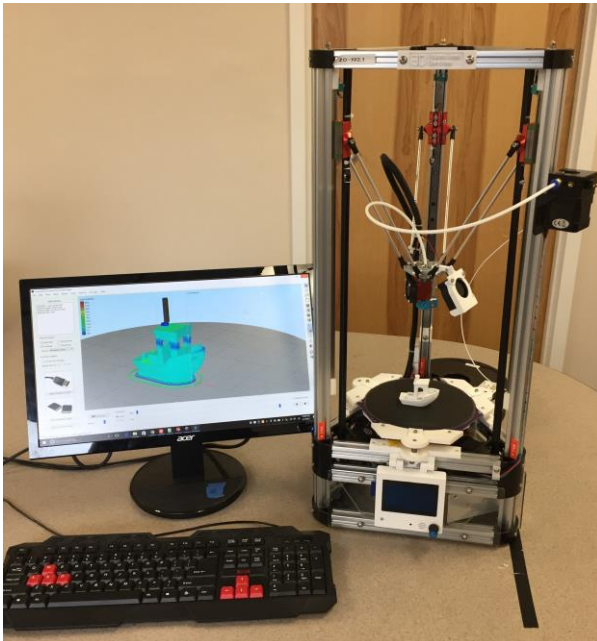
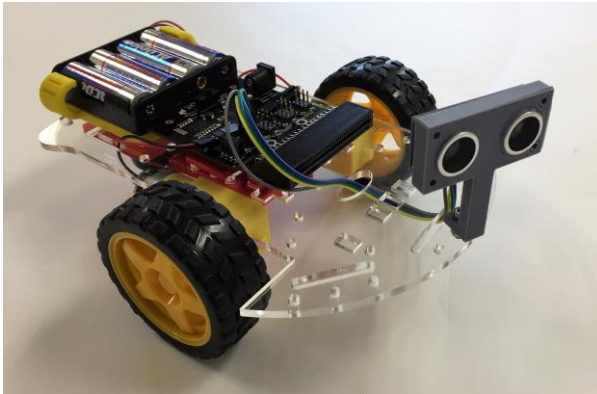
- ❖ Collaborate with Community Colleges to develop programs for their high-school bridge and two-year associate degree programs
- ❖ Partner with employers to develop meaningful co-op and internship opportunities
- ❖ Reach-out to underserved communities

# Our Offerings

- ❖ Open source 3D Printer
- ❖ DIY “Maker Kits” – Robotics, 3D printed parts, electronics
- ❖ Curriculum and Lesson Plans
- ❖ Classes and Workshops



## Our Offerings



## Our Offerings

- ❖ Design and build open source 3D Printers for classroom, conduct training and workshops – Piloting at Rocky Hill School, RI
- ❖ Design and build DIY "maker" kits for students in K-12, and Higher Ed – Microbit, Raspberry Pi based – Piloting at South Merrimack Christian Academy, North Shore Community College
- ❖ Conduct classes and workshops to teach 3D design & printing and Robotics for K-12

# Our Offerings

- ❖ Lesson plans for semester long (18 week) course on computational thinking and robotics (Micro:bit microcontroller)
- ❖ Geometry lesson plans in 3D design and 3D printing for Rocky Hill School, Rhode Island
- ❖ Lesson plans using Raspberry Pi for North Shore Community College (high school kids)
- ❖ Build-Your-Own 3D Printer Workshop Program Curriculum (for adults)
- ❖ Classes and Workshops – After-school, In-school, Summer Programs

# Community Outreach

- ❖ Throughout the year 3DES participates in numerous community outreach events:
  - Boy scout 3D printing merit badge
  - MA STEM Summit
  - MITxMake
  - Acton PIP STEM
  - ASD Nashua, SPARK event
  - India Independence Day event at Nashua

# 30 Educational Services Inc

