



TEAM MEMBERS:

DHINAKARAN M
EMAYAKUMAR A
GOWTHAM R
GURUPRAKASH M
HARIKRISHNAN P
MADHAN K

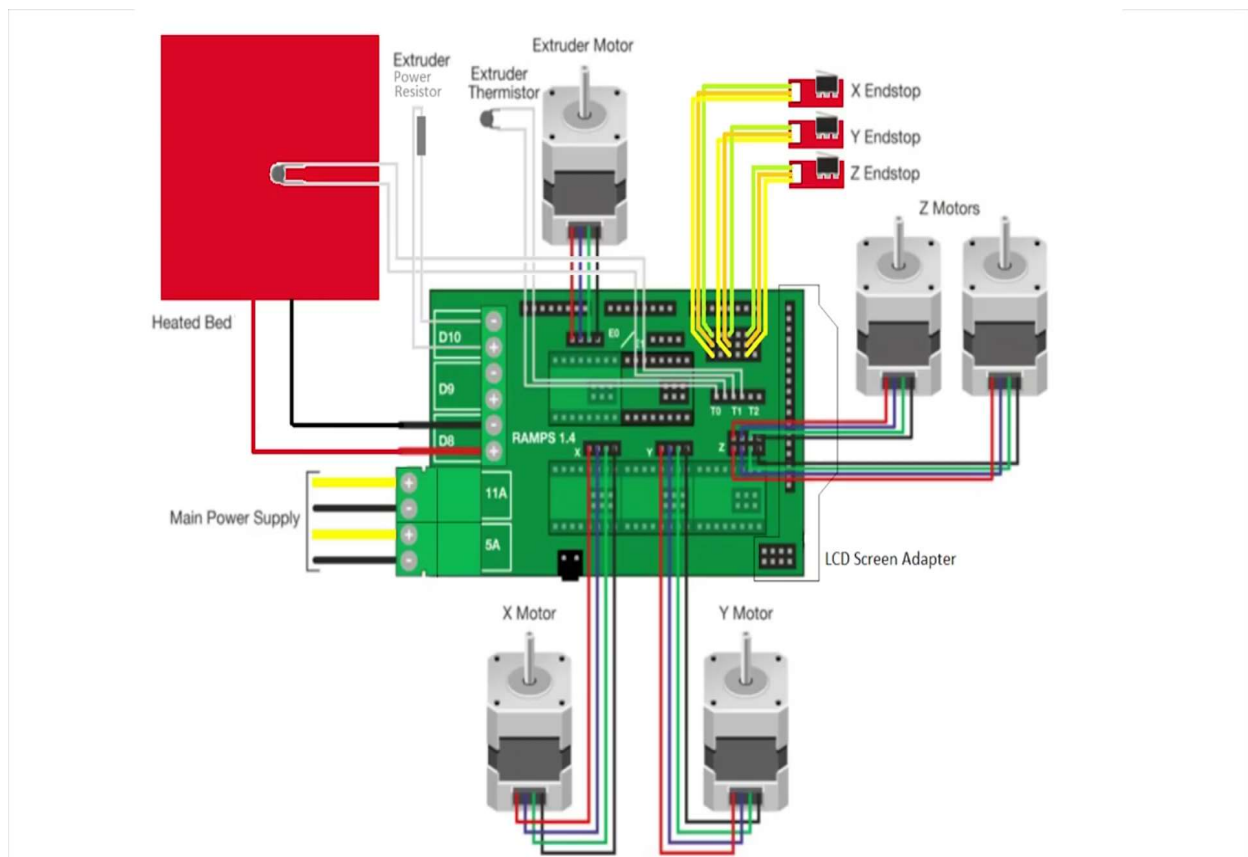
3D PRINTER

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ABSTRACT:

3D printer is used for printing a material in 3D. It is a form of additive manufacturing technology where a three dimensional object is created by laying down successive layers of material. It is also known as rapid prototyping, is a mechanized method whereby 3D objects are quickly made on a reasonably sized machine connected to a computer containing blueprints for the object. The 3D printing concept of custom manufacturing is exiting to nearly everyone.

CIRCUIT DIAGRAM:



3D PRINTING ADVANTAGES:

- 100% customizable
- Short turnaround
- In-house workflow
- Affordable
- Diverse material options
- Unlimited geometry options

3D PRINTING DISADVANTAGES:

- Struggles with small details
- Limited build size
- Support Material
- Complex Workflow
- Hard to scale

FUTURE SCOPE:

Given the huge bank of opportunities in this sector and the rapid development of this technology, we can say with a sense of certitude that 3D printing will soon take over many industries in the near future. Considering the prediction, start-ups and entrepreneurs in INDIA are seeing immense potential in 3D printing technologies. To name a few, following is a list of Indian start-ups which are playing in this avenue:

Think3D, Brahma3, Global 3D Labs, Fractal Works, Shaper Jet and 3Dify,amongn many others.

MEDICAL 3D PRINTS:

