



**Prayas Centre Name:** AIC Jyothy Institute of Technology Foundation

**City** : Bangalore

**State** : Karnataka

**Equipment available at AIC Jyothy Institute of Technology Foundation DST PRAYAS Shala**

### 3D Printer

**Brand – Stratasys**

**Model - Makerbot Method X**

**Specification :**

**Print Technology: Fused Deposition Modeling (FDM)**

**Build Volume: 19L x 19W x 19.6H cm /7.5 x 7.75 in single extrusion**

**15.2 L x 19 W x 19.6 H cm /6.0 x 7.75 in dual extrusion**

**Maximum Layer Resolution : 20-400 microns**

**Nozzle Diameter : 0.4 mm**

**Print file type: .makerbot**

**Operational Area:** Product development, Manufacturing, End-use parts, Architecture, Education

### 3D Scanner

**Brand – Artec Eva 3D Scanner**

**Model - Artec Eva 3D Scanner Lite Version**

**Specifications:**

Artec Eva can scan objects up to 1 meter in size and has a scanning speed of up to 16 frames per second. It also features a flash bulb that allows for scanning in low-light conditions. The Artec Eva has an accuracy of up to 0.1 mm and a resolution of up to 0.5 mm. It can export the scanned data in various formats such as OBJ, STL, PLY and WRL.

**Operational area – Scanning, Observe a scene in three dimensions**

## **Design and Simulation Software:**

**Brand** – CATIA Design and Simulation Software

**Model** - CATIA Design and Simulation Software

**Operational area** – Product design and development

**ToolKit: Hand Tool**

