

**SAINTGITS COLLEGE OF ENGINEERING (AUTONOMOUS)**  
**Kottayam, Kerala 686532, India. www.saintgits.org**

**TENDER NOTICE**

SAINTGITS College of Engineering (Autonomous) is inviting quotations for the purchase of 3-D printer of following specifications for DST-TDP project in Department of Electronics. The quotations should be submitted to Principal, SAINTGITS College of Engineering (Autonomous) latest by 17/1/2024, 5.00 PM.

**3-D Printer Requirements**

<b>Item</b>	<b>Classification</b>	<b>Unit</b>
Print Technology	Fused Filament Fabrication (FFF)	
Layer Resolution	20-300	Micron
Dimensional Tolerance	+/- 0.01	mm
Print Speed	20	mm <sup>3</sup> /s
Number of Extruder	2	nos
Extruder Temp	250-350	Deg Celsius
Printbed Temp	80-120	Deg Celsius
Nozzle Size	0.25 to 0.8	mm
Heat bed Build Platform		
Filament Diameter	1.75	mm
Filament Compatibility	ABS/PLA/Flexible TPU/PETG/Carbon Fused Composites/ASA/PP/HIPS	
Operating System	Windows	
Supported File Formats	STL, GCODE	
Connectivity	USB, Wifi, Bluetooth	
Power Requirements	50Hz,190-240V,1000W	
X-Y-Z Precision	10	micron
<i>Build Volume</i>		
X	200-600	mm
Y	200-601	mm
Z	200-602	mm

**Sd/-**  
**Principal**