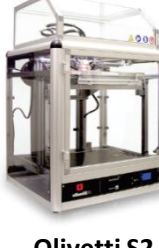
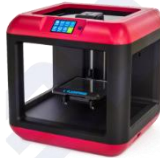


3D Printing & Scanning facility established under funding of Nidhi CoE @ Vel Tech TBI

It promotes entrepreneurs in Additive Manufacturing domains (3D Printing, 3D Scanning, Reverse Engineering, Surgical Simulation & Analysis, Surgical guides, Implants, Prosthetics) and supports various consultancy works.

Available Facilities:

3D Printer Specification					
	CreatBot PEEK-300	Stratasys F270	Stratasys Fortus 250mc	Olivetti S2	Flashforge Finder
Build Volume	300*300*400 mm	305*254*305 mm	254*254*305 mm	400*400*400 mm	140*140*140 mm
Nozzle Temperature	500°C	300°C	300°C	285°C	220°C
Material	PEKK, PEEK, medical PEEK, Carbon-PEEK, ULTEM, PEI, PPSU, PA/CF, PC, PA Alloys, PA6, PA12, ABS, Carbon Fiber, Nylon, ASA, PETG, ESD-Safe, HIPS, TPU, PLA, PVA, TPU 65A.	ABS, PLA, ASA	ABS plus	PLA, TPU, SBC, wood filament, carbon-fiber filament, marble filament	PLA
Layer Thickness	0.1 mm	PLA (0.254 mm), ABS & ASA (0.330 mm - 0.127 mm)	0.1778 mm, 0.2540 mm, 0.3302 mm	Minimum layer thickness: 0.05 mm	0.1 – 0.5 mm

3D Scanner: Artec Eva

Type	Non-contact White Light Scanner	
3D Point Accuracy	0.05mm	
Output formats	.OBJ, .PLY, .WRL, .STL, .AOP, .ASCII, .PTX, .E57, .XYZRGB	
Formats for Measurements	.CSV, .DXF, .XML	

Mimics Innovation Suite software(Materialise NV,Belgium)

- ❖ Medical Image Segmentation
- ❖ Advanced Measurements
- ❖ Accurate design tools for personalized Medical Implants
- ❖ Surgical simulation and Analysis

For any printing, designing & consultancy works contact:

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