

## DEPARTMENT OF ARCHITECTURE AND INTERIOR DESIGN

### LABORATORY AND DESIGN STUDIO DETAILS

S.No.	Name of Lab/Studio/Workshop	Major Equipments / Facilities	Available Software	Usage
1	<b>Design Studio</b>	<ul style="list-style-type: none"> <li>• Drafting Tables</li> <li>• LCD Projector</li> <li>• White Board / Green Board</li> <li>• Display Boards</li> </ul>		<ul style="list-style-type: none"> <li>• Design Studio</li> <li>• Drafting Practice</li> <li>• Teaching</li> <li>• Presentations</li> </ul>
2	<b>CAD &amp; GIS Lab</b>	<ul style="list-style-type: none"> <li>• Desktop Computers,</li> <li>• UPS 5KVA</li> <li>• Online Printer / Copier</li> <li>• Cisco Internet switches</li> <li>• Interactive Pads</li> <li>• Interactive Panel / Screen</li> <li>• Document Presenter</li> <li>• LCD Projector</li> <li>• Motorized Screen</li> </ul>	<ul style="list-style-type: none"> <li>• Software Educational Suite for Architecture and Engineering (Autodesk)</li> <li>• Arc GIS Software (Basic &amp; Advanced)</li> <li>• Educational Version Software installed in CAD Lab:                             <ul style="list-style-type: none"> <li>○ AutoCAD</li> <li>○ 3D Max</li> <li>○ Revit</li> <li>○ Sketchup and Sketchup Pro</li> <li>○ Vray for 3D Max and Sketchup</li> <li>○ MS Office</li> </ul> </li> <li>• Antivirus</li> </ul>	<ul style="list-style-type: none"> <li>• Computer Aided Drafting</li> <li>• 3-D Modelling and Animation</li> <li>• GIS applications</li> <li>• Practical Classes</li> </ul>

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<b>3</b>	<b>Survey Lab</b>	<ul style="list-style-type: none"> <li>• Leica Total Station</li> <li>• Dumpy Level</li> <li>• Magnetic Compass</li> <li>• Surveying Chain</li> <li>• Cross Staff</li> <li>• Plane Table (with Accessories)</li> <li>• Auto Level</li> <li>• Prismatic Compass</li> </ul>	<ul style="list-style-type: none"> <li>• Total Station S/W</li> <li>• AutoCAD</li> </ul>	<ul style="list-style-type: none"> <li>• Field work                             <ul style="list-style-type: none"> <li>○ Surveying</li> <li>○ Levelling</li> <li>○ Total Station survey</li> </ul> </li> <li>• Map preparation</li> </ul>
<b>4</b>	<b>Model Making Workshop</b>	<ul style="list-style-type: none"> <li>• Drill Machine/Angle Grinder / Orbital Grinder / Impact Drill / Router /Jicksaw parallel bar/ Shears / Hot air gun / Blower / Jigsaw/ Wood Sander</li> <li>• All-purpose Saw / Circular Saw / Planner</li> <li>• Drill and Screw Driver cordless / Straight Grinder</li> <li>• Stone Cutter &amp; Blade Nibblers</li> </ul>		<ul style="list-style-type: none"> <li>• Preparation of Models of designs prepared by students using various media/materials i.e. : CLAY/WOOD/PoP etc.</li> </ul>

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5	<b>3D Printer Lab</b>	<ul style="list-style-type: none"><li>• Desktop Computers</li><li>• UPS 3KVA</li><li>• 3-D Printer (Ultimaker2)</li><li>• 3-D Printer (Assembled Type)</li><li>• HP Design Jet Plotter T830 MFP (A0 size)</li></ul>	3D Printing Software	<ul style="list-style-type: none"><li>• 3 D Models of small buildings/ Structures/ Furniture Items/ Artifacts etc.</li><li>• Plotting of A0 size print out of designs .</li></ul>