

### 1) Digital Technology, Audio-Visual Resources, and Laboratories

The new building of Architectural Engineering is provided with fully digital technology and Audio-visual resources, with wireless access throughout and a wide distribution of power and data connections. This includes a grid of connections in floor boxes in computer labs. The classrooms and studio spaces provided with:

- Smart Board
- Projector
- PC

### 2) Computer Resources:

The department has **SIX computer LABS**; three Graphic computer labs, GIS lab, Interactive Pen Displays Lab, and students' open lab. These labs are equipped with a CAT 6 network throughout the building tied to campus via fiber optic cables.

**Each Lab** is equipped with the following items:

Hardware	Software
<ul style="list-style-type: none"><li>• Smart board</li><li>• Projector</li><li>• 20 PCs (HP EliteDesk, 800 G2, HP 23 LED Monitor)</li></ul>	<ul style="list-style-type: none"><li>• Autodesk AutoCAD</li><li>• Autodesk Revit</li><li>• 3D MAX</li><li>• Autodesk Fusion360</li><li>• Lumion 8</li><li>• Vray 2.032&amp;64 bit (plugin)</li><li>• Adobe Photoshop &amp; extended adobe illustrator</li><li>• Design Builder (for Architects)</li><li>• GIS software</li><li>• Microsoft office</li><li>• Microsoft Word</li><li>• Microsoft Access</li><li>• Microsoft Publisher</li><li>• Microsoft PowerPoint</li><li>• Microsoft Excel</li></ul>

### 3) Interactive Pen Displays Lab:

In addition to the above hardware and software, this lab is equipped with (30 PCs) each supported with a Wacom creative display, which is a drawing interactive screen with a pressure sensitive pen. (Model: Wacom Cintiq 27 QHD) and HP Z 240 Tower workstation.

### 4) Printing Room:

The printer shop serves the department, faculty, and the university. It contains the following resources:

- HP DESIGN JET T 1100ps Plotter.
- HP DESIGN JET Z6100-60 Inch Plotter.
- LEXMARK C530 DN.
- Laser JET HP 5200.
- HP Printer 2015 N LASER.
- Scanner HP N 9120 as per catalogue.
- Scanner Epson GT 20000.
- Scanner wide teck 48C.
- Copy machine -Toshiba e-slodio 352.
- Laptop- Fujitsu lifebook AH 531.
- Laptop- HP probook 450 S1 7.
- Laptop- HP 250 G6 Notebook.

**5) 40 Digital Drawing and Graphics Tablets (including drawing pen):**

- Active Area: 152 x 95 mm (6.0 x 3.7 in)
- 4 Express Keys.
- Pressure Levels: 2048.
- Wireless Support.
- Resolution: 2540 lpi.
- Reading Speed (pen): 133pps.
- Technology: Patented electromagnetic resonance method.

**6) Archiving Room:**

Desktop Computer for archiving:

- CPU I7 6800K
- RAM 64 GB DDR5
- Display 24" (3840\*2160) 4K
- GPU NVIDIA GeForce – GTX 1080 TI, 512 GB SSD, 2 TB HDD.
- External drives: My book drive with external power supply 6TB.