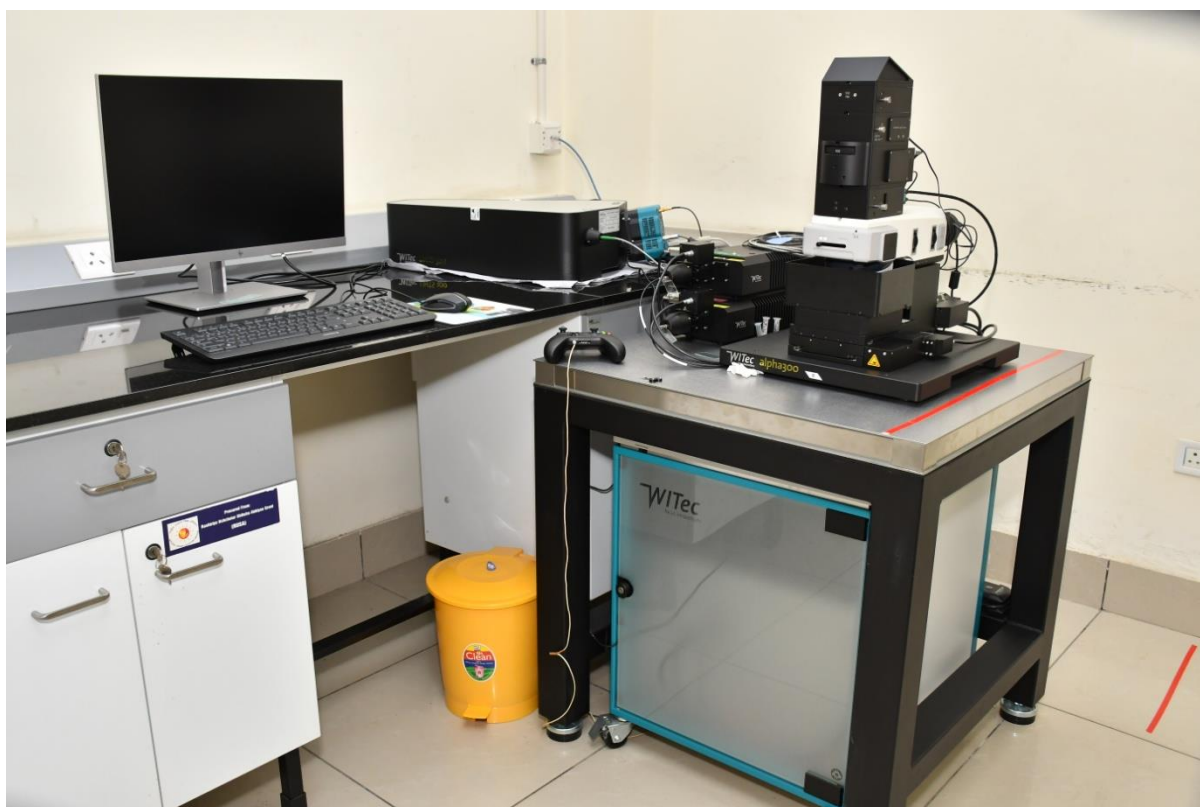


## Raman Spectrometer



**Make:** WITec GmbH, Germany

**Model:** alpha 300 R

**Key Specifications:**

<b>Spectral Range</b>	200-2200 nm
<b>Spectral Resolution (FWHM)</b>	$<0.5 \text{ cm}^{-1}$
<b>Spatial Resolution</b>	$< 300 \text{ nm @532 nm Laser}$ $< 750 \text{ nm @532 nm Laser}$
<b>Scan to Scan repeatability</b>	$<0.05 \text{ cm}^{-1}$
<b>Gratings</b>	600 gr/mm 1200 gr/mm 2400 gr/mm
<b>Edge Filters</b>	50 $\text{cm}^{-1}$ for 532 and 785 nm lasers
<b>Laser</b>	Air cooled, Diode Laser 532 nm 75mW Air cooled, Diode Laser 785 nm 120mW
<b>Confocal Microscope</b>	Research Grade Zeiss Microscope with 6 turret Coupled with spectrometer through single mode Fiber Coupling Motorized stage controlled by Joystick Coupled with camera for sample visualization and digital video
<b>Detector</b>	Thermoelectrically cooled CCD Camera, Peltier cooling, Quantum Efficiency 55%