



A Don Bosco Institution (Estd. 1934)

Re-Accredited Grade "B++"

College with Potential for Excellence (awarded by UGC)

Affiliated to NEHU (A Central University)

UGC Recognised & AICTE Approved

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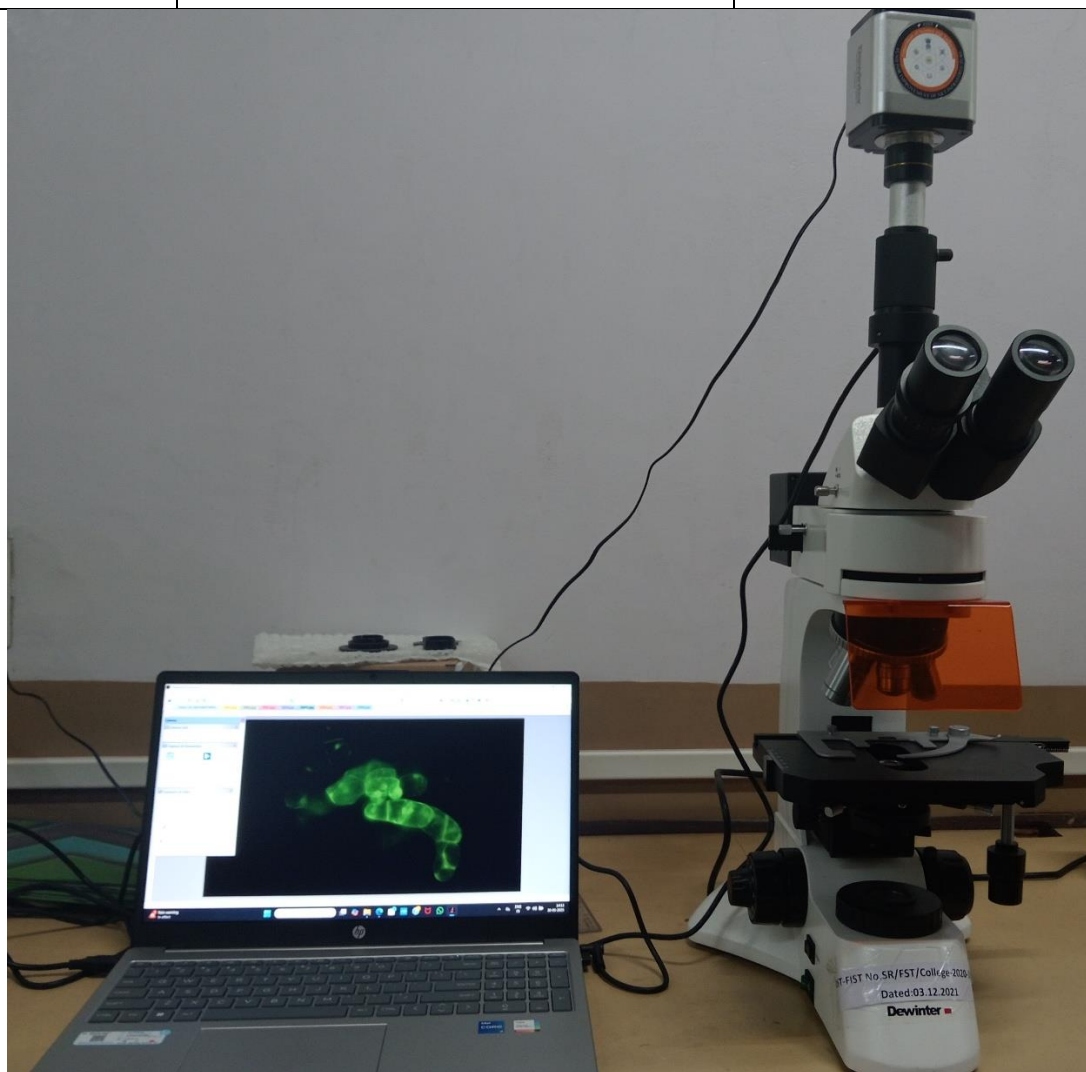
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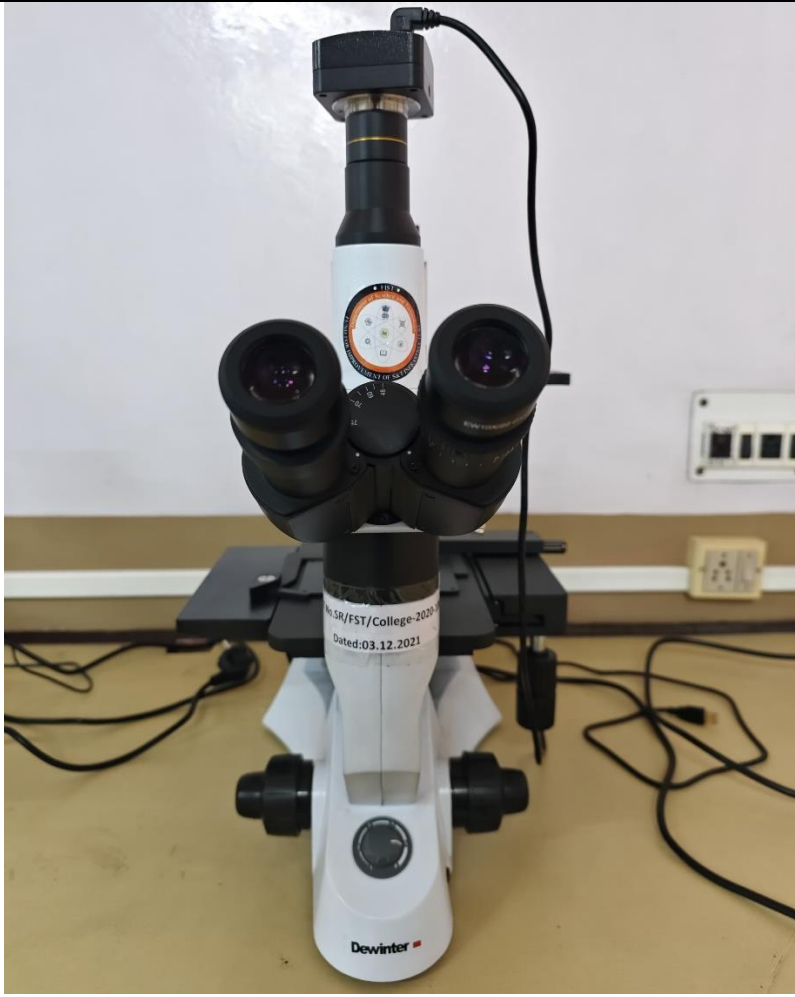
website: www.anthonys.ac.in


DST-FIST FACILITY

Lab Instruments Inventory / List

Instruments	Specifications	Applications
Upright LED Fluorescence Microscope	Model: Dewinter Fluorex LED Filters: B Excitation (460nm-470nm) standard. G Excitation (520nm-530nm) standard	i. Cell and Tissue Imaging ii. Immunofluorescence iii. Histological Studies iv. Kinetics of Fibril Formation



Inverted Microscope	Model: Dewinter	i. Cell Culture Studies ii. Micromanipulation iii. Parasitology
		

CO ₂ Incubator	Model: BR Biochem, Life Sciences Pvt. Limited	i. Animal Cell Culture: Maintaining various cell lines including cancer cells and other cell types
		

ELISA Reader	Model: Abott AM2100	Quantitative analysis of biological assays for diagnostics, research, detection and quantifying antigens, antibodies, etc.
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UV-VIS Spectrometer	<p>Model: Lasany L1-2704</p> <p>Specifications:</p> <p>Wavelength Range: 190 nm to 1100 nm</p> <p>Spectral Bandwidth: 1 nm or selectable options</p> <p>Wavelength Accuracy: ± 0.3 nm</p> <p>Wavelength Repeatability: ± 0.2 nm</p> <p>Photometric Range: -0.3 to 3.0 Abs</p> <p>Photometric Accuracy: ± 0.005 Abs at 1 Abs</p> <p>Photometric Repeatability: ± 0.002 Abs at 0.5 Abs</p> <p>Stray Light: Less than 0.05% T at 220 nm and 340 nm</p> <p>Detector: Silicon Photodiode</p> <p>Light Source: Deuterium and Tungsten-Halogen lamps</p> <p>Display: Large graphical LCD or LED display</p> <p>Interface: USB, RS-232C, and optional printer connectivity</p>	i. Protein and nucleic acid quantification, enzymatic studies, and other biological assays
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