

**Nanodrop Spectrophotometer**

**Photo of Instrument:**



<b>Instrument Name</b>	Nanodrop Spectrophotometer
<b>Instrument Model &amp; Serial No.</b>	Nanodrop One & AZY2332208
<b>Instrument Make</b>	Thermofischer Scientific
<b>Category of Instrument</b>	Bioscience and Technology
<b>Description of Instrument</b>	Spectrophotometric analysis of various samples
<b>Instrument Description and Major Specifications</b> (This Specifications Limited to Major 5)	<u>Sampling Options:</u> Pedestal <u>Sample Volume:</u> 1-2 $\mu$ L <u>Dynamic Range:</u> 2.0-27,500* ng/ $\mu$ L <u>Spectrum:</u> 200-800 nm
<b>Application of Instrument</b> (Limited to Major 4 or 5)	To measure the concentration of DNA, RNA and Protein in a 2 $\mu$ L drop
<b>Type of Sample Required for Analysis / Testing (Quantity, Pre-Preparation, State etc.)</b> <b>Guidelines for Sample Submission – User Instructions</b>	<u>Sample Type:</u> Liquid <u>Quantity:</u> 10 $\mu$ L <u>Preparation:</u> Should be prepared in water or buffers <u>User Instructions:</u> Samples prepared in organic solvents cannot be used
<b>Types of Analysis / Testing</b>	Analysis
<b>Faculty In-Charge Name / Email / Contact</b>	Dr. Baiju G Nair <a href="mailto:bgnair@nitc.ac.in">bgnair@nitc.ac.in</a> 0495 288 5472
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<b>Location of Instrument</b>	Functional Biomaterials and Tissue Engineering Laboratory, BSED
<b>Other Details</b>	

## **Department of Bioscience and Engineering, NIT Calicut**

### **User Charges:**

<b>S.NO.</b>	<b>Type of Analysis/Testing</b>	<b>Internal - within Department of NITC</b>	<b>Internal - Other Departments NITC</b>	<b>External Academic Educational Institutes</b>	<b>National Labs</b>	<b>Industry</b>
1	Analysis	0/-	100/- per sample	200/- per sample	200/- per sample	300/- per sample

### **Present Slot Booking and Payment Work Flow:**