

## Department of Chemistry, NIT Calicut

### FTIR/ATR

#### Photo of Instrument:



<b>Instrument Name</b>	FTIR/ATR
<b>Instrument Model &amp; Serial No.</b>	4700
<b>Instrument Make</b>	JASCO
<b>Category of Instrument</b>	(Advanced Manufacturing facility / Characterization and Testing / Computational Facility / Bioscience and Technology / Sample preparation)
<b>Description of Instrument</b>	Fourier Transform Infrared Spectroscopy
<b>Instrument Technical Description and Major Specifications (This Specifications Limited to Major 5)</b>	Max resolution $0.4 \text{ cm}^{-1}$ S/N ratio 35000:1
<b>Application of Instrument (Limited to Major 4 or 5)</b>	To analyse the composition and properties of polymers, coatings and other materials.
<b>Type of Sample Required for Analysis / Testing (Quantity, Pre-Preparation, State etc.) Guidelines for Sample Submission – User Instructions</b>	Solid/Liquid. Finely powdered solid samples along with KBr is used
<b>Types of Analysis / Testing</b>	Characterization and testing

## Department of Chemistry, NIT Calicut

<b>Faculty In-Charge Name / Email / Contact</b>	Dr. Janardhan Banothu
<b>Technical Staff Name / Email / Contact</b>	Dhaneesh D C / <a href="mailto:dhaneeshdc@nitc.ac.in">dhaneeshdc@nitc.ac.in</a> / 9495789412
<b>Location of Instrument</b>	Thermal Lab, Department of Chemistry.
<b>Other Details</b>	

### User Charges:

S.NO.	Type of Analysis / Testing	Internal - within Department of NITC	Internal - Other Departments NITC	External Academic Educational Institutes	National R&D Labs	Industry
1	Solid/Liquid Samples (ATR)	Rs. 0/-	Rs. 50/-	Rs. 200/-	Rs. 500/-	Rs. 1000/-
2	Solid samples with KBr pellet	Rs. 0/-	Rs. 50/-	Rs. 200/-	Rs. 500/-	Rs. 1000/-

The user charges are excluding tax

### Slot Booking and Payment Work Flow: