

## Department of Chemistry, NIT Calicut

### HIGH RESOLUTION MASS SPECTROMETRY

#### Photo of Instrument:



<b>Instrument Name</b>	High Resolution Mass Spectrometry
<b>Instrument Model &amp; Serial No.</b>	SYNAPT XS High resolution mass spectrometer.
<b>Instrument Make</b>	Waters
<b>Category of Instrument</b>	(Advanced Manufacturing facility / Characterization and Testing / Computational Facility / Bioscience and Technology / Sample preparation)
<b>Description of Instrument</b>	High resolution Mass spectrometer with UPLC.
<b>Instrument Technical Description and Major Specifications</b> (This Specifications Limited to Major 5)	By providing ultimate flexibility and greater freedom of analytical choice to support scientific creativity and technical success for any applications.  Ion mobility multiplies peak capacity and selectivity of analysis.
<b>Application of Instrument</b> (Limited to Major 4 or 5)	HRMS offers both high resolution and highness accuracy.  For analyse and quantitation of compounds, determination of elemental composition and identification of unknowns.

## Department of Chemistry, NIT Calicut

<b>Type of Sample Required for Analysis / Testing (Quantity, Pre-Preparation, State etc.) Guidelines for Sample Submission – User Instructions</b>	Liquid
<b>Types of Analysis / Testing</b>	Characterization
<b>Faculty In-Charge Name / Email / Contact</b>	Dr. Anuj. A. Vargese, Dr. Chinna Ayya Swamy.P, Dr. M. Sankaralingam
<b>Technical Staff Name / Email / Contact</b>	Krishna. K / <a href="mailto:krishnak@nitc.ac.in">krishnak@nitc.ac.in</a> / 9847959484
<b>Location of Instrument</b>	HRMS, 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	Liquid/Solid Samples (MS)	Rs. 100/-	Rs. 300/-	Rs. 1000/-	Rs. 1000/-	Rs. 3000/-
2	Liquid/Solid Samples MS-MS	Rs. 200/-	Rs. 600/-	Rs. 2000/-	Rs. 2000/-	Rs. 5000/-

The user charges including tax

### Slot Booking and Payment Work Flow: