

DC SPUTTERING

Photo of Instrument:



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| Instrument Name | DC SPUTTERING |
| Instrument Model & Serial No. | MAGNETRON SPUTTERING UNIT, D1027 |
| Instrument Make | HIND HIGH VACUUM |
| Category of Instrument | Sample preparation |
| Description of Instrument | |
| Instrument Technical Description and Major Specifications (This Specifications Limited to Major 5) | <ol style="list-style-type: none"> 1. Metals, Metal oxide and Ceramics coating 2. Two-inch Target 3. CO-sputtering |
| Application of Instrument (Limited to Major 4 or 5) | <ol style="list-style-type: none"> 1. Coating (Thin Films) 2. Semiconductor Industries 3. Biological / Polymer sample coating |
| Type of Sample Required for Analysis / Testing (Quantity, Pre-Preparation, State etc.) | <ol style="list-style-type: none"> 1. Glass slide / Silicon wafer (max dimension - 75mm×25mm-2nos) |

Materials Science and Engineering Department, NIT Calicut

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| Guidelines for Sample Submission – User Instructions | 2.Standerd cleaning procedure for Glass slide |
| Types of Analysis / Testing | |
| Faculty In-Charge Name / Email / Contact | Dr. Soney Varghese soneyva@nitc.ac.in |
| Technical Staff Name / Email / Contact | |
| Location of Instrument | Functional Material Laboratory |
| Other Details | |

User Charges

| S.NO. | Type of Analysis/Testing | Internal - within Department of NITC | Internal - Other Department s NITC | External Academic Educational Institutes | National Labs | Industry |
|--------------|---|---|---|---|---------------------------|---------------------------|
| 1 | 1.Coating (Thin Films) 2.Semiconductor Industries 3.Biological / Polymer sample coating | | 200/hour +Target charges | 500/hour+ Target charges | 500/hour + Target charges | 1000/hour+ Target charges |

Slot Booking and Payment Work Flow:

Contact the Faculty In-charge and Technical Staff through ema