

Department of Physics  
National Institute of Technology, Tiruchirappalli 620 015

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12.04.2017

The **Atomic Force Microscope (AFM) facility** available in the SIF lab of Physics Department, NIT-T is extended to the institutions other than NIT-Trichy with the following **terms and conditions**.

1. **Charges for AFM** (Including service tax 14.5%)

Mode	Educational Institutions	R&D Lab & Industries
Non Contact mode	Rs. 3435	Rs. 6870
Contact mode	Rs. 4809	Rs. 9618

2. **Samples should be in dry condition.** The size of metal sample must be up to 1 cubic cm and thin films of size 1 cm × 1 cm.

3. The amount should be paid through Demand Draft in favour of “**The Director NIT Trichy**”

4. The Hard copy of the requisition form along with Demand Draft and Sample should be sent by post to **Dr. J. Hemalatha, Associate Professor, Department of Physics, National Institute of Technology, Tiruchirappalli-15, Tamilnadu.**

6. Results will be sent to the E-mail address mentioned in application form within 15 to 20 days of receipt of payment, based on the number of samples in the queue.

7. The amount paid will not be refunded on any circumstances

8. If the results are published then kindly send the publication reference (Journal name/volume/issue number, pages number/names of the authors/date of issue of the publication etc) to **Email: afmnittphy@gmail.com**

9. For queries regarding AFM analysis, contact the concerned person through phone 0431-2503608 or 0431-2504926 or by writing to the following email: afmnittphy@gmail.com

**Available Modes:**

Non-Contact Mode AFM	Contact Mode AFM
Topography, MFM, EFM	Piezoelectric force microscopy through DC-EFM, IAFM, STM, FMM, Lithography*, Nano indentation* * Contact through email to get approval before sending the DD

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**AFM– Sample Characterization requisition form for other Institutions**  
**(Maximum of 5 samples per form)**

Name of the applicant : \_\_\_\_\_  
Designation : Student: Ph.D./M.Sc./M.Tech/M.Phil  
Affiliation :

Email : Phone number:

Sample Type (**must fill**) : Sample Code:

(Example: BiFe<sub>2</sub>O<sub>3</sub>)

Sample Nature :  
(example: Conducting/Non-Conducting/Magnetic/Non-Magnetic/Corrosive/Non-Corrosive)

**AFM mode** : **Contact / Non-contact**

**Payment Details** :

**DD. NO.** ....., **Date** ....., **Amount** ....., **Bank.** .....

***Declaration:***

*In all the publications of research work with the AFM data provided, I shall acknowledge the facility.*

*Acknowledge model: "The authors acknowledge the MHRD, Government of India for the AFM facility under the plan fund sanctioned to the Department of Physics, NIT, Tiruchirappalli"*

**Place & Date**

**Signature of the Applicant**

Certification and undertaking by Financially Responsible person (HOD / Principal / Guide / Division Head). Certified that the user is a student / employee of our organization.

**Name and Designation:**

**Signature of Guide with date**

FOR INTERNAL USE

*Reference No & Date:*

Operator:

Comments:

Faculty-in-charge, AFM-NITT

HEAD, DEPT. OF PHYSICS