

University of Engineering and Technology, Lahore Pakistan
Centre for Nanotechnology and Advanced Materials Research (CNAMR)

Performa for Nanoindentation

Name: _____ Registration no (for students): _____

Designation: _____ Name of Supervisor (if any): _____

Department/Institute: _____

Project title (if any): _____

(Note: For UET students, Please attach first page of research proposal duly signed by Supervisor and Chairman)

Cell number (mention whatsapp/network): _____ Email: _____

No. of samples (in words): _____

Brief description: what do you want to conduct on Nano indenter? (mandatory):

- Any specific test type*: _____
 - Maximum load/maximum displacement**: _____
 - Loading rate, Loading type: _____
 - For thin films/coatings: Coating thickness _____ and Surface Roughness _____
 - Any other specification/requirement: _____
- _____
- _____

*Quasi static indentation, dynamic indentation, nano wear, etc.

**maximum loading limit on low load transducer is 10 mN while it is 10N on high load transducer.

Sample requirements: i) Samples surface should be plane parallel (flat/polished from both sides).
ii) Powdered samples cannot be used/tested.

Sample dimensions: i) sample thickness must not exceed 20 mm.
ii) Square, disc or irregular shaped specimen, where one dimension (length or width) is exceeding 1 cm must be discussed prior to testing.

Note: Please pack samples, performa, and original bank deposit slip in an envelope of proper size.

Deposit Details: Habib Bank Ltd. (Engineering University Lahore Branch)

Title: "UET LHR Center for Nanotechnology"

Account number: 01287903194101

Paid Bank deposit slip no. (Attach the original) _____ **Paid amount** _____

Applicant's Signature

Supervisor (Signature and Stamp)

**Chairperson/Head/Director
(Signature and Stamp)**

Office No. _____ Dated _____

Director CNAMR

Charges per sample				
Sr. No.	Perspective Clients	Indentation	Indentation + SPM	Nano wear
1	UET Lahore and allied campuses	Rs. 500	Rs. 1000	Rs. 1000
2	Educational institutes	Rs. 3000	Rs. 4000	Rs. 4000
3	Commercial samples (industries)	Rs. 5000	Rs. 6500	Rs. 6500

- Rs. 1000 will be charged for sample preparation
- The rates for nanoindentation with other special requirements will be decided by the Committee/Director.