



Estd. 1962  
NAAC 'A' Grade  
MHRD-NIRF-28<sup>th</sup> Rank

# Nanoscience Instrumentation Facility Centre (NIFC)

School of Nanoscience and Technology,

Shivaji University, Kolhapur

W. O. No. :

Date:

1. Department/College/other party:

2. Name of Research student:

3. Name of Guide

4. Instrument to be used:

## a) Synthesis:

1. Spray Deposition Unit	2. Electrospinning Unit	3. Dip Coating Unit
4. Spin Coating Unit	5. SILAR Unit	6. Thermal CVD
7. Autoclave Unit	8. Muffle Furnace	9. Micro centrifuge
10. Shaking Incubator	11. Static Incubator	12. Shaking Water bath
13. -86 Deep freezer	14. Parallel Synthesizer	15. Probe Sonicator
16. Orbital shaker	17. Biomolecule Purification	18. Bomb Autoclave

## b) Characterization:

1. XRD	2. BET	3. Optical Microscope
4. Contact angle	5. UV-Vis Spectrometer	6. Photo reactor
7. Gel Doc Unit	8. I-V Measurements	9. Resistive Switching properties
10. UV-Vis Spectrometer (Temperature based)	11. Plate based Antimicrobial activity measurements	12. Antimicrobial activity measurements (MIC, MBC)
13. MNP Analysis	14. Water Testing	15. Probe Sonicator

5. No. and Nature of sample:

6. Work to be performed on:

7. Budget Head and Amount:

Sign of Student

Sign of Guide

Head of Institute

## For Official Use Only

Teacher In charge

Co-ordinator, NIFC

Director,  
School of Nanoscience and Technology,

Date and Time allotted:

Date and Time of work completion

Signature of operator and remark: