

Rayat Shikshan Sanstha's
Arts, Science and Commerce College, Ramanandnagar (Burli)
Department of Physics
Study tour report
2019-20

As per the syllabus, a one day study tour was arranged by department of Physics. In this study tour, all B.Sc III year students of Physics department were participated. During this educational tour, students visited Department of Physics, School of Nanoscience and Nano technology dated 08-01-2020(Wednesday).

In the Physics department, students visited PIFIC(Physics instrumentation and facility centre) where they observed instrumentation of various characterization techniques as XRD, SEM, FTIR, RAMAN, BET, EIS etc. Then they visited School of Nanoscience and Nanotechnology. Research students provided information regarding nanomaterials synthesis methods and techniques. Students observed experimental set up of deposition methods viz. CVD, CBD, ED, SILAR, Sputtering, Spin coating, Hydrothermal, sol gel method etc. Professors and research students gave information about various instruments which are useful in interdisciplinary research, such as Ovens, furnaces, distillation plants ,vacuum chambers, freezer temperature(-80°C), centrifuge, Nano sheet preparation instrument, shakers with different rpm, autoclaves etc. Professors also guided students regarding career paths in research and answered their queries.

The students not only acquired knowledge about latest research in various streams (Nanoscience, biotechnology, electronics nanotechnologies and Physics) but also get well acquainted with career opportunities in the same fields.

Outcomes-

1. Developed subject interest among students.
2. Students Exposed to new experiences and research environment.
3. Students became familiar with career paths related to physics

Beneficiaries-

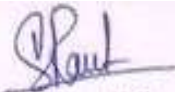
Total **10** participants
from physics
Department



During study tour, Visit to School of Nano science & Nanotechnology, Shivaji University, Kolhapur



Visit to Physics instrumentation facility center (PIFIC) at Shivaji University, Kolhapur


Dr. Ms. Raut V.S.
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