

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department of Physics

2025-26

Study Tour Report

An educational visit was organized by the Department of Physics to Shivaji University Kolhapur with the objective of providing students practical exposure to advanced characterization techniques and research facilities.

Objectives of the visit were to familiarize students with modern analytical instruments.

The students were warmly welcomed by Assistant Professors Dr. Satyajeet Patil and Dr. Shital Shinde. A comprehensive presentation was delivered, explaining the basic working principles and operational aspects of various sophisticated instruments.

The facilities demonstrated during the visit included:

- Scanning Electron Microscope (SEM)
- Transmission Electron Microscope (TEM)
- Field Emission Scanning Electron Microscope (FESEM)
- Brunauer–Emmett–Teller (BET) Analyzer
- Fourier Transform Infrared Spectroscopy (FTIR)
- Spectrophotometer

Students gained valuable insights into how these instruments are used in material characterization and research.

The students had the opportunity to interact with the Head of the Department, Dr. R. G. Sonkawade, who shared his expertise and encouraged students to pursue higher studies and research in physics.

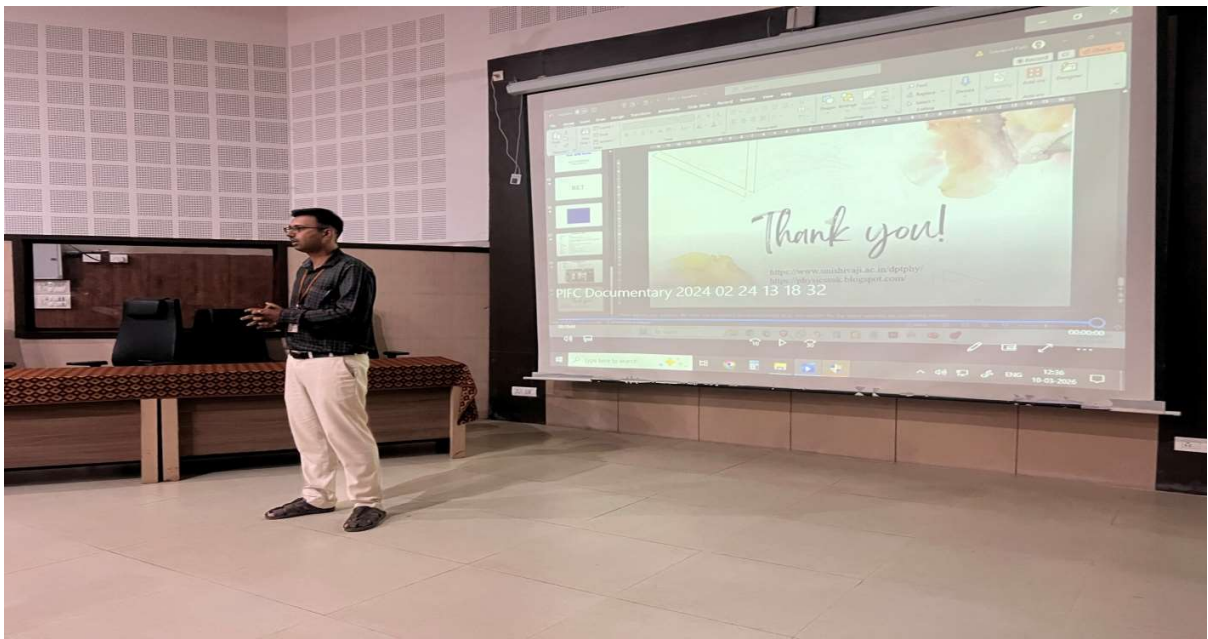
After the academic session, the students visited the renowned Ambabai Temple, which added a cultural aspect to the educational trip.

The visit was highly informative and beneficial for the students. It enhanced their understanding of advanced instrumentation and provided exposure to real-time research environments. The experience was enriching and contributed significantly to their academic development.

Outcomes

1. Students understood the working principles of characterization techniques.
2. It bridged the gap between theoretical knowledge and practical applications.
3. Motivated students towards research-oriented learning.

Beneficiaries : A total 11 students and 2 faculty members were benefitted by the visit.



Dr. satyajeet Patil welcomed students and introduced working of instruments in falcitation centre.



Latitude: 16.677216
Longitude: 74.255742
Elevation: 615.94±6.35 m
Accuracy: 25.46 m
Time: 10-03-2026 13:07:32
Note: Study tour at Shivaji University Kolhapur

Research Scholar Mr. tejas Boadake explaining working of XRD to B.Sc III students.



Research Scholar Mr. Tushar Bhosale explaining working of BET to B.Sc III students.



Research Scholar Ms. Nishigandha madam explaining working of SEM to B.Sc III students.



Latitude: 16.677028
 Longitude: 74.255517
 Elevation: 615.94±7.04 m
 Accuracy: 28.88 m
 Time: 10-03-2026 13:30:45
 Note: Study tour at Shivaji University Kolhapur

B.Sc III students felicitated Head Dept of Physics Prof. R. G. Sonkawade Sir



Latitude: 16.678099
 Longitude: 74.257025
 Elevation: 604.15±4.86 m
 Accuracy: 7.76 m
 Time: 10-03-2026 14:17:44
 Note: Study tour at Shivaji University Kolhapur

B.Sc III students posing with Chht. Shivaji Maharajas Statue in Background

Handwritten signature
Head,
Department of Physics
Dr. Patangrao Kadam Mahavidyalaya,
Ramanandnagar (Burl)



Handwritten signature
Principal,
Dr. Patangrao Kadam Mahavidyalaya,
Ramanandnagar (Burl)
Tal. Palus, Dist. Sangli.