BABASAHEB BHIMRAO AMBEDKAR UNIVERSITY

LUCKNOW

सत्यम् सचिव सदाचरा

STABLISHED 1996

Three-week Training on

NMR AND ADVANCED INSTRUMENTATION TECHNIQUES

(Integrated NMR, Spectroscopic and Computational Approaches for Characterization of New-Generation Medicinal, Materials and AYUSH Products)

(25 September – 16 October 2026)

Flexible enrollment option of one week and two weeks

Concluding with Participants Presentations

25th Sept. to 16th Oct. 2026

BABASAHEB BHIMRAO AMBEDKAR UNIVERSITY

A Central University, Vidya Vihar, Raebareli Road, Lucknow

Accredited "A++" by NAAC in 2023

ABOUT THE TRAINING PROGRAM

Vith an idea to nurture the scientific field for understanding asic chemical and analytical techniques for producing new aterials with controlled functions, BBAU established the Department of Chemistry under the aegis of School for hysical and Bioclanic Sciences.

his training program aims to inculcate the feeling of science nd technology in our students and researchers and enhance heir employability through self-employment, startups and ustainability.

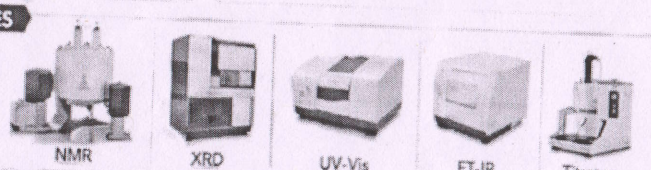
Our Department of Chemistry is committed to become a self-ustaining centre through quality training at minimal cost, apacity building and resource optimization for long term cientific growth.

AIM & VISION

- To promote advanced scientific knowledge and hands-on expertise in modern analytical techniques.
- To strengthen research competency and encourage innovation, entrepreneurship, self-reliance and startup.
- To create a self-sustaining training platform for students, researchers and industry professionals.
- To contribute to national development by building skilled human resources in analytical sciences.

THE TRAINING PROGRAM COMPRISES

- 10 Expert Lectures
- 10 Demonstration Sessions
- Hands-on Training on Modern Instruments
- Data Analysis & Interpretation
- Participants Presentations



NMR | XRD | UV-Vis | FT-IR | Titrator

Practical Work | Sample Analysis | Data Interpretation | Research Applications | Certificate of Participation

HIGHLIGHTS

- Expert Lecturers
- Hands-on Training
- Exposure to Modern Instruments
- Interactive Sessions & Discussion
- Nearing in Research Sourcing Support
- Certificate of Participation

WHO CAN PARTICIPATE: Seudents | Research Scholars | Fauutly | Scientists | Indiartry Prefecionals

PATRON

Prof. Raj Kumar Mittal
Hon'ble Vice Chancellor
BBAU, Lucknow

CO-PATRON

Prof. Kanjan Singh (Co-Patron)

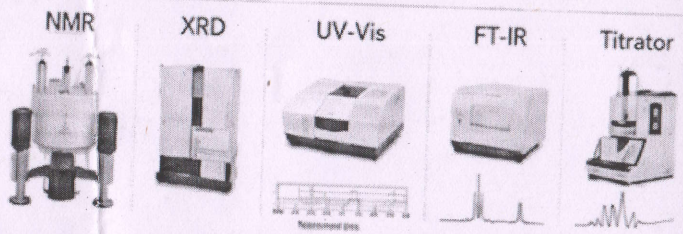
Prof. Gajanan Pandey (Co-Patron)

ORGANIZING COMMITTEE (Members)

- Prof. Anjani Kumar Tiwari (Chairman)
- Dr. Preeti Gupta (Convenor)
- Dr. Jyoti Pandey (Co-Convenor)
- Dr. Shailesh Kumar (Co-Convenor)
- Dr. Jawahar Lal Jat (Joint Secretary)

WHY THIS TRAINING?

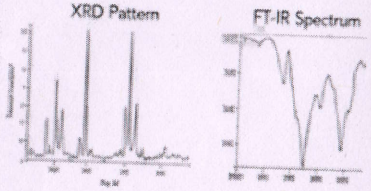
- Comprehensive hands-on exposure to modern analytical instruments used in research and industry.
- Critical for innovations in Medicinal, Material Science, AYUSH and related interdisciplinary fields.
- Enhances research capability, problem-solving skills and career opportunities.



NMR | XRD | UV-Vis | FT-IR | Titrator

KEY INSTRUMENTS & LEARNING TECHNIQUES

- NMR Spectroscopy
- UV-Visible Spectroscopy
- FT-IR Spectroscopy
- X-Ray Diffraction (XRD)
- Titration & Titrimetry (Acid Titrator)
- pH Meter & Ion Analyzer
- Melting Point & Polarimeter
- Electronic Analytical Balance
- CABD (Computer-Aided Drug Design)
- Data Processing & Interpretation



XRD Pattern | FT-IR Spectrum

BENEFITS & IMPACT

- Develop skills in cutting-edge analytical techniques.
- Cost-effective training for students, researchers and professionals.
- Enhances research quality and industry competitiveness.
- Supports innovation, startups and national growth.
- Strengthens self-relianc and reduces dependenc on external facilities.

IMPORTANT DATES

1st September 2026	:	Registration Starts on
23rd September 2026	:	Last Date of Registration
24th September 2026 (Morning)	:	Final List of Candidates
25th September 2026	:	Training Programme Begins
16th October 2026	:	Training Programme Ends

VENUE

Department of Chemistry,
School for Physical & Biologic Sciences
Babasaheb Bhimrao Ambedkar University
Vidya Vihar, Raebareli Road, Lucknow – 226 025 (U.P.), India

FEE PAYMENT LINK https://erp.ethina.net/DirectFee/SA/BBAU

LIMITED SEATS! REGISTER EARLY!

AFTER FEE SUBMISSION SEND THE FEE RECEIPT ON GIVEN EMAIL.

CONTACT DETAILS

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Contact No.: 7503381343

"Cultivation of mind should be the ultimate aim of human existence." – Dr. B. R. Ambedkar