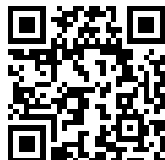




**NITTTR
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ASE-6/2024-2025 ICT Tools In Chemistry and Pharmacy 11-11-2024 to 15-11-2024 NITTTR Bhopal



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Rationale

The rapid advancement of Information and Communication Technology (ICT) has transformed various fields, including education. Integrating Information and Communication Technology (ICT) tools in chemistry and pharmacy enhances the educational and professional landscapes of these fields significantly. In chemistry, ICT tools facilitate complex data analysis, simulation, and visualization, enabling researchers and students to understand intricate molecular structures and reactions. Softwares and molecular modeling programs allow for the precise depiction and manipulation of chemical compounds, which aids in predicting behaviors and outcomes in various chemical processes. Additionally, ICT tools support virtual laboratories and remote experimentation, broadening access to practical experiences without the constraints of physical lab resources. This FDP aims to equip faculty members with the necessary ICT skills to improve their instructional methods and research capabilities.

Programme Outcomes

- Utilize various ICT tools to enhance their teaching practices.
- Apply ICT tools in their research to improve data collection, analysis, and presentation.
- Develop digital educational content and resources.
- Integrate ICT solutions into their daily academic and laboratory activities.
- Explain the latest technological advancements in Chemistry and Pharmacy

Programme Content

Introduction to ICT in Education, ICT Tools for Chemistry, ICT Tools for Pharmacy, Digital Content Creation, Online Teaching Platforms, Data Analysis Tools, Laboratory Management Software, Virtual Labs and Simulations, Research Database and Reference Management, Collaborative Tools for Research and Teaching

Target Group

Faculty of Applied Science & Pharmacy

Coordinator & Co-Faculty

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