




**GURU NANAK INSTITUTIONS  
TECHNICAL CAMPUS**

AUTONOMOUS  
under Section 2 (t) & 12 (b) of  
University Grants Commission Act

**AICTE's Training And Learning Sponsored  
One Week Online  
Faculty Development Programme  
(ATAL-FDP) On**



**Accelerating Drug Discovery through AI: Machine Learning Applications in Chemistry**

**Date: 9th to 14th December | Time: 6pm to 9pm**



**Dr. G. Narahari Sastry**  
IIT-Hyderabad  
Hyderabad



**Prof. Masataka Nagaoka**  
Nagoya University  
Japan



**Dr. Janardhan Sridhara  
Dr. Reddy's Laboratories**  
Hyderabad



**Dr. Karunakar Tanneeru**  
Director  
Qstatix private limited



**Mr. Chethan Reddy**  
HCl Technologies  
Hyderabad



**Dr. Ponnam Devender**  
Yunnan Minzu University  
China



**Dr. Salvaraman Nagamani**  
CSIR-NIEST Jorhat  
Assam



**Dr. Ravindra Kulkarni**  
Bharati Vidyapeeth's Poona  
College of Pharmacy, Pune



**Dr. Chinamayee Choudhury**  
IISER-Mohali  
Mohali



**Dr. Uppula Purushotham**  
GNITC  
Hyderabad

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**For further details:**

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Participant NOC format

Click on to below link

[https://docs.google.com/document/d/1qTKKaggPdGuY6Wyt4WsmEHijwkcaQrU7/edit?usp=drive\\_link&ouid=104976273939053031619&rtpof=true&sd=true](https://docs.google.com/document/d/1qTKKaggPdGuY6Wyt4WsmEHijwkcaQrU7/edit?usp=drive_link&ouid=104976273939053031619&rtpof=true&sd=true)

## About the Department

The department of Humanities and Sciences is the Freshmen and fortifying department, that serve as a foundation for the Engineering and Management Departments. The department was established in the year 2001, constituting the disciplines of English, Mathematics, Engineering Physics, Engineering Chemistry, Environmental Science, and Gender Sensitivity. An overall intake of the students in various Branches includes a strength of 1440. The department organizes Workshops, Faculty Development Programs, Conferences and Seminars for the individual growth and development of faculty. The department has its credit for compiling an exclusive quarterly newsletter, 'ONUS' for the Freshmen. The magazine provides a good platform for budding engineers to excel their hidden talent beyond the curriculum. Besides focusing on robust fundamentals, the department also endeavors to train the students in communication and soft skills through a strict insistence on seminar presentations from the first year itself. The department is also equipped with excellent infrastructure and state-of-the art equipment to explore technological advancements in their relevant fields.



## About the Institution

Guru Nanak Institutions Technical Campus (GNITC) is established in year 2001 by Guru Nanak Educational Society under the Chairmanship of Philanthropist Late Sardar Tavinder Singh Kohli. The college was started with four engineering branches (CSE, ECE, EEE and IT) and with an intake of 240 students. At present Guru Nanak Institutions Technical Campus consists of Three Schools, School of Engineering and Technology with branches offering B. Tech in CE, CSE, ECE, EEE, IT, ME, emerging courses in CSE (DS, CS, IoT, AIDS & AML), M. Tech in CSE, School of Pharmacy and School of Management with an intake of 1570 respectively.

Guru Nanak Institutions Technical Campus is conferred with Autonomous Status by University Grants Commission from the academic year 2016-17. GNITC is accredited thrice by NAAC with "A+" grade and also accredited by NBA. The campus is constructed on sprawling 50 acres of land situated in Ibrahimpatnam, RR District, Telangana State, India.

The campus is constructed on sprawling 50 acres of land situated in Ibrahimpatnam, RR District, Telangana State, India. The campus is very close proximity to Hyderabad Outer Ring Road; GNI campus can be easily reached through all-weather concrete roads from Hyderabad city which is just 27 kms away distance from LB Nagar Metro station and 26 kms from Rajiv Gandhi International Airport. Local TSRTC buses were available from LB Nagar Metro station to Ibrahimpatnam frequently for every 10 minutes from 5:30 AM to 10:00 PM.

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On

**Accelerating Drug Discovery  
through AI: Machine  
Learning Applications in  
Chemistry**

**(09.12.2024 to 14.12.2024)**



**Coordinator**

**Dr. Uppala Purushotham  
Associate Professor**

**Co - Coordinator**

**Dr. B. Kedarnath**

**Professor and Assistant Director**

**Organized by**

Department of Chemistry  
Guru Nanak Institutions Technical  
Campus, Hyderabad, India

## Programme Highlights:

- ❖Comprehensive sessions covering the fundamentals of Artificial Intelligence, Machine Learning, and Bioinformatics in drug discovery.
- ❖Practical workshops offering hands-on experience in applying AI/ML algorithms and bioinformatics tools for drug design, molecular docking, and data analysis.
- ❖Engaging discussions with industry leaders and subject matter experts on the latest trends, challenges, and opportunities in AI-driven drug discovery.
- ❖Case studies showcasing successful applications of AI, ML, and bioinformatics in pharmaceutical research and development.
- ❖Networking opportunities with peers and experts in the field.

## Objectives of the FDP

- ❖Provide participants with a comprehensive understanding of the principles and applications of Artificial Intelligence (AI), Machine Learning (ML), and Bioinformatics in drug discovery.
- ❖Equip faculty members, researchers and professionals with hands-on experience in utilizing advanced AI/ML algorithms and bioinformatics tools for drug design, molecular docking, and data analysis.
- ❖Facilitate discussions and interactions with Industry leaders and experts to explore the latest trends, challenges, and opportunities in AI-driven drug discovery.
- ❖Foster networking opportunities among participants, enabling them to collaborate and share insights for driving innovation in drug discovery.

## Who can Attend?

This is AICTE sponsored FDP. This FDP open for the faculty members, research scholars & PG students of the AICTE approved institutions and Industry Personnel.

## Guide lines

- This FDP will be held in **online mode**.
- There is no registration fee for participants**
- Attendance is mandatory for all sessions
- The certificates shall be issued to those participants who are registered on ATAL portal <https://atalacademy.aicte-india.org/login> and attend the program with minimum 80% attendance and score minimum 70% marks in the test.

## How to get registered

Participants are required to complete their registration through ATAL portal  
<https://atalacademy.aicte-india.org/login>

## Key Dates:

Last date for application: **6<sup>th</sup> Dec 2024**  
Dates of FDP: **9<sup>th</sup> to 14<sup>th</sup> Dec 2024**

## For further details:

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## Chief Patron

**Sardar Gagandeep Singh Kohli**,  
Vice Chairman, Guru Nanak Institutions

## Chair

**Dr. H. S. Saini**,  
Managing Director, Guru Nanak Institutions

## Co - Chairs

**Dr. S. Sreenatha reddy**, Director, GNITC  
**Dr. Parthsaradhy**, Joint Director, GNITC  
**Dr. S. V. Ranganayakulu**, Dean R&D, GNITC

## Coordinator

**Dr. Uppala Purushotham**  
Assoc. Professor, Chemistry, GNITC

## Co – Coordinator

**Dr. B. Kedarnath**  
Professor & Assistant Director, GNITC I-B. Tech.

## Program Committee

Dr. N. Raju HoD-1, H&S, GNITC  
Dr. G. Srinivasulu Goud HoD-2, H&S, GNITC  
Dr. B. Kishore Reddy Coordinator, Assist. Prof.  
Dr. Neha Gupta Coordinator, Assist. Prof.  
Mrs. T. Vijaya Lakshmi Coordinator, Assist. Prof.  
Mrs. N. Ch. Kalyani Coordinator, Assist. Prof.  
Dr. M. Sudha Rani Assoc. Prof.  
Dr. Shahid Shafi Shah Assist. Prof.  
Dr. Rambabu Palabindela Assist. Prof.  
Dr. Bapuram Ashok kumar Assist. Prof.  
Mrs. Shilpa Jadhav Assist. Prof.  
Mr. J Devaram Assist. Prof.  
Mrs. N. Revathi Assist. Prof.  
Mrs. P. Shrenika Assist. Prof.