

## Preamble

We envision the FDP as a series of interactive lectures and practical sessions led by field experts. Participants will engage in discussions and hands-on activities to apply text mining techniques to real-world biomedical and healthcare datasets. This FDP addresses the growing demand for professionals skilled in extracting insights from complex biomedical data. We are proud to feature highly reputed national and international speakers, providing valuable knowledge and networking opportunities. This FDP serves as a common platform for professionals in biomedical and computer science domains to collaborate and drive innovative healthcare solutions.

### Module -1

#### Biomedical Domain Knowledge

- Biomedical Data Types
- Biomedical Ontologies

### Module-2

#### Biomedical Text Mining

- Knowledge Extraction from Biomedical/Clinical Text.
- Biomedical Text Mining and Drug Discovery.
- AI for Biological Classification.

### Module -3

#### AI for Personalized Healthcare

- AI for Biology and Personalized Healthcare.
- Applications of Medical Imaging.
- NLP for Healthcare.

## Patrons

Prof. Santishree Dhulipudi Pandit  
(Vice Chancellor)

Prof. Brajesh Kumar Pandey  
(Rector-I)

Prof. Dipendra Nath Das  
(Rector 2)

## Organizing Chair

Prof. Zahid Raza  
(Dean SC&SS)

## FDP Coordinator

Dr. Aditi Sharan

## FDP Co-coordinator

Dr. Ayesha Chaudhary

## Contact Us



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(Host Institute)

Jawaharlal Nehru University



School of Computer and  
Systems Sciences

is organizing

AICTE Training and Learning  
(ATAL) Academy  
Approved FACULTY  
DEVELOPMENT PROGRAM  
(FDP)

on

Intelligent Data Analytics  
for Healthcare Domain

Date :-  
9th September, 2024  
to  
14th September, 2024

## Course Details

Target Participants :- Faculty Members, Postgraduate students, Research scholars and Industry Professionals

Duration:- 6 days

Mode:- Offline Mode

Venue:- Jawaharlal Nehru University

Registration Link-

<https://atalacademy.aicte-india.org/signup>

How to Register-<https://shorturl.at/GwCjE>

## Registration Fee / Accommodation

No registration fee for participation. Outstation participants from AICTE approved institutions will be given TA as per ATAL FDP norms. Accommodation will be provided on demand basis in JNU or nearby.

## Resource Persons



Prof. T. P. Singh (Keynote Speaker)  
SERB Distinguished Fellow, AIIMS Delhi



Prof. D.K. Lobiya  
School of Computer and Systems Sciences, JNU



Dr. Dinesh Gupta,  
Scientist, ICGEB, New Delhi



Dr. Gourab Das  
Scientific Officer(D) Tata Memorial Centre ACTREC



Ms. Guljit Chaudhari  
Founder, Collectis Health Solutions



Prof. Indira Ghosh  
Former Dean at School of Computational & Integrative Sciences, JNU



Dr. Meraj Khan  
The Hospital of Sick Children , University of Toronto



Prof. Naidu Subbarao  
School of Computational and Integrative Sciences, JNU



Dr. Narendra Chirmule  
Co-founder, SymphonyTech Biologics



Prof. Punit Kaur  
Head of Department (Biophysics), AIIMS



Prof. Pushpak Bhattacharyya  
Department of CSE, IIT Bombay



Prof. S. Indu  
Dept. of Electronic and Communication Engineering, Delhi Technological University, Delhi

## Key take-aways for participants

- Familiarity with popular Biomedical Domain resources that can be utilized for Intelligent processing of Biomedical data.
- Exploring various text mining techniques specifically tailored for biomedical and healthcare texts.
- Learning how to integrate text mining with biomedical knowledge resources for comprehensive biomedical and healthcare research.
- Acquiring skills in applying AI, DL and NLP techniques for meaningful information processing and its practical applications in Healthcare Domain like clinical decision support, , drug discovery etc.
- Participating in practical lab sessions to apply text mining techniques and tools on biomedical and healthcare data.
- Industrial visit to nearby Institute of National Importance/ IoE/prominent multidisciplinary university/CSIR or DST labs/Training Institute / Incubation centers / MSME centers/ Studios etc.