

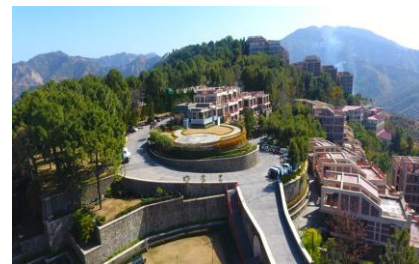
# Computational Genomics and Proteomics

(Under the E&ICT Academy, IIITDM Jabalpur)

18<sup>th</sup> August-1<sup>st</sup> September 2022 (Time: 6:00-9:00 p.m.)

Organized by

PDPM IIITDM Jabalpur & JUIT Solan



## COURSE CONTENTS

- Basics of Molecular Biology, Signal Processing, Probability Theory, Machine Learning & MATLAB Programming
- Next Generation Sequencing (NGS)
- Accessing DNA & Protein Data Bases
- Study of DNA and Amino Acid Mapping Schemes
- Genomic & Proteomic Signal Processing
- Statistical Methods for Genomics & Proteomics
- Genomic & Proteomic Data Analysis Using Machine Learning
- MATLAB Bioinformatics Toolbox
- Some open research problems in computational genomics and proteomics

## LIST OF SPEAKERS

Prof. L.S.Shashidhara, IIISER, Pune

Prof. B.Jayaram, Emeritus Professor, IIT Delhi

Prof. Rajiv Saxena, Adjunct Professor, IIIT Noida

Dr. Pushendra Singh, Scientist, ICMR -National Institute for Research in Tribal Health, Jabalpur

Prof. S. N. Sharma, IIITDM Jabalpur

Dr.D.K.Shakya, SATI, Vidisha

Dr.S.D.Sharma, JUIT, Solan

## ONLINE PAYMENT

Online payment details (You can use NEFT /UPI/Online Banking)

**Beneficiary Name:** EICT Academy

**Bank Name:** INDIAN Bank

**A/C No.:** 50302042708

**IFSC Code:** IDIB000M694

**Branch:** Mehgawan, IIITDM Branch

**Indian Participants:** Academic (Student/Faculty): INR 500

**Industry participants/others:** INR 1,000

**Foreign Participants:**

SAARC/African countries Academic (Student/Faculty): INR 500

(Industry participants/others) : INR 1,000

Rest of the countries Fee: US\$ 60, UK£ 50

## REGISTRATION LINK

Register through google form link:

<https://forms.gle/ynRb1mEvZPGTjvmx8>

or

by scanning the QR code



## IMPORTANT DATES

- Registration opens: 5<sup>th</sup> August 2022
- Last date for registration: 17<sup>th</sup> August 2022
- FDP dates: 18<sup>th</sup> August -1<sup>st</sup> September 2022

## CO-ORDINATORS

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