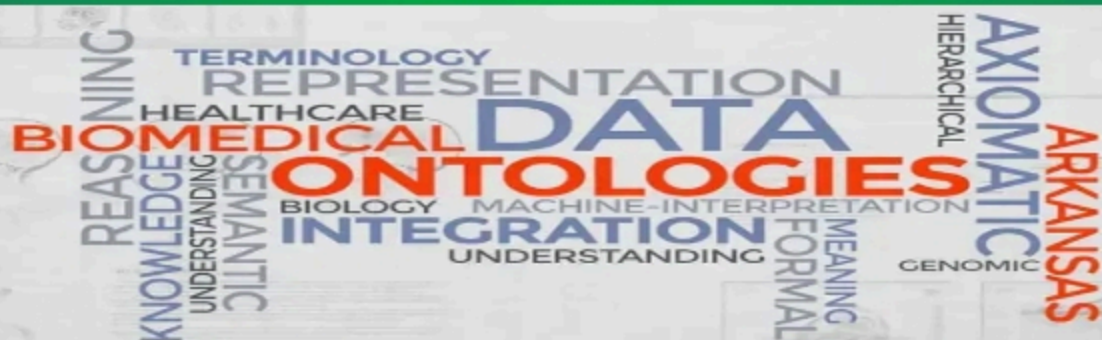# School of Computer and Systems Sciences
## Jawaharlal Nehru University, New Delhi-110067

### Invites you all for

### An Online Talk
### By

## Prof. Indira Ghosh
### ( Former Professor and  Dean,
### School of Computational and Integrative Sciences)

REASONING TERMINOLOGY REPRESENTATION HIERARCHICAL AXIOMATIC
HEALTHCARE DATA
BIOMEDICAL ONTOLOGIES ARKANSAS
KNOWLEDGE UNDERSTANDING SEMANTIC BIOLOGY MACHINE-INTERPRETATION
INTEGRATION MEANING FORMAL
UNDERSTANDING GENOMIC

## DAY 1
**February 17, 2022**
Time: 3 PM to 4 PM
Topic: Biomedical Data Organization

## DAY 2
**February 18, 2022**
Time: 3 PM to 4 PM
Topic: Biomedical Ontologies

### Join Zoom Meeting
https://zoom.us/j/99061277822?pwd=emxpMTJyekVjeWVwMjFPZUhHbWdjZz09
Meeting ID: 990 6127 7822 ,   Passcode: 611835

Co-ordinator:
Dr. Aditi Sharan
SC&SS, JNU

Prof. T.V.Vijay Kumar
Dean
SC&SS, JNU

### Prof. Indira Ghosh

**( Former Professor and  Dean)**
**School of Computational and Integrative Sciences**

Indira Ghosh has served JNU as a Professor (2008-2019) & Dean (2008-2012) in the School of Computational & Integrative Sciences(SCIS). She has been one amongst the earlier scientists to realize the importance of Bioinformatics and initiated M.Sc courses in Pune University (SPPU) when she joined as Professor in Institute of Bioinformatics & Biotechnology in 2003. She has been contributing in the area of Biophysics, which later evolved in early 90's as Bioinformatics/ Computational Biology. She published one of the first Docking algorithms in early eighties as a part of her Ph.D. thesis.

## About the Talk

### Day 1  (February 17, 2022): Biomedical Data Organization

Diversity of data in biomedical sciences is very complex due to the variety of methods used for data acquisition, which are in different forms & formats. This lecture will inform such different types of data in Biotechnology & Medical sciences. The focus will be on  extraction and organization of such databases,  especially  in  genomics,  proteomics  &  metabolomics.

### Day 2 (February 18, 2022): Biomedical Ontology

The knowledge-based systems are being developed to integrate biological information from different databases like genome, proteome, pathways, disease, treatment/drug etc. The focus would be on such systems that  represent, share and integrate different levels of basic biological information from which the inferred knowledge can be  used  to  enhance  human  health  and  well-being.