



**SREENIDHI**  
EDUCATIONAL GROUP

SREENIDHI  
INSTITUTE OF  
SCIENCE AND  
TECHNOLOGY  
SNIST  
AUTONOMOUS



One Week Online Short Term Course (STC) on  
**Applications of Recent Trends in Industry using intelligent computing**  
(2<sup>nd</sup> to 6<sup>th</sup> January 2023)

Organized by

DEPARTMENT OF INFORMATION TECHNOLOGY  
Sreenidhi Institute of Science and Technology, Hyderabad



in association with

**Center for Continuing Education**  
National Institute of Technology Warangal, Telangana State, INDIA

### Applications of Recent Trends in Industry using intelligent computing

The main objective of intelligent computing study is to make computers capable of intelligence, perception, analyzing results, and interpretation. The coefficients of the fuzzy constraints in the decision variables have been generated using an intelligent decision process. As computer systems become more advanced and smarter, they permeate our daily lives and aid us in our efforts to be more productive. It is becoming increasingly difficult to manage daily life without the aid of intelligent computing, given the ever-increasing human population. Intelligent computing is now a standard in a number of industries. It is essential to find intelligent computing-based solutions that minimize the need for human interaction and time spent. Biological data analysis and data mining are common applications. Several machine learning-based technologies exist, allowing for the creation of very sophisticated automated systems. The sheer size and quantity of this kind of data necessitates the employment of highly advanced methods and programmes to process it effectively and provide results promptly. The writers of this chapter have conducted an extensive analysis of the available computer-assisted automated techniques and tools for analyzing various forms of biological data. The chapter also provides context for the many uses of biological data.

#### Major Course Contents

- Introduction to Intelligent computing (IC)
- Ethical considerations in IC
- Postulates of Human-Computer Interface
- Tools: Matlab, R Studio, and python examples
- Data augmentation methods for IC
- Trust, security, and privacy issues of human-centered predictive intelligence
- Current Trends in IC (AI, IoT, and cloud)
- Soft computing concepts and issues
- Deep Science
- Big data and Data Science applications.

Faculty Conducting this Program: Academicians in the concerned field from IITs/NITs/IIITs/Central/Deemed/State Universities/NITW/SNIST/Industry personnel's.

#### Registration Fee Particulars:

PG Students /Research Scholars  
/Faculty: Rs 500/- (Rs. Five Hundred only).  
Industry Professionals: Rs 1000/- (Rs. Thousand only).  
Foreigner: 50 USD

#### Bank Account Details

Account Name:	CCE NITW
BANK NAME :	SBI
ACCOUNT NO :	62403680215
IFSC CODE :	SBIN0020149
BRANCH :	NIT WARANGAL

#### Important Dates:

Last Date (Application & DD) : 31<sup>st</sup> Dec 2022  
2023 Selection List (by e-mail) : 1<sup>st</sup> Jan 2023  
Duration : 2<sup>nd</sup> to 6<sup>th</sup> January 2023

**How to Apply:** Participants are required to fill the online registration form by clicking on the following link:

#### Registration Link:

Step 1: Register for the FDP: <https://forms.gle/b3Zic3vNcfULFzaK9>

Step 2: Join in WhatsApp Group: <https://chat.whatsapp.com/IQRCNg82z6SBIMgKxj07h>

## Application

1. Name:
2. Designation:
3. Institution:
4. E-mail:
5. Mobile No.:
6. Reference No. (fee paid):
7. Mode of Payment:
8. Amount paid:
9. Name of the Bank:
10. Date of Payment:
11. Address for Correspondence:
12. Educational Qualification:
13. Subjects taught so far:
14. No. of refresher courses/workshop attended:
15. Experience in Teaching:
16. Research: Industry:
17. Do you belong to SC/ST: Yes/No.

### Declaration:

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the STC and shall attend the course for entire duration. I also undertake the responsibility of the course.

Signature of the Participant

### Sponsorship Certificate:

Dr. /Mr. /Ms ..... is an employee of our Institute/Organization and is hereby sponsored to participate in the ONLINE STC on "Applications of Recent Trends in Industry using intelligent computing" sponsored by Center for Continuing Education NIT Warangal in association with Department of IT, Sreenidhi Institute of Science and Technology, Hyderabad during 7<sup>th</sup> to 11<sup>th</sup> Nov 2022.

Signature of Head of the institution/Organization  
(with seal)

**Chief Patron:** Dr.K.T.Mahhe, Secretary, Correspondent, SNIST  
Mr.K.Abhijit Rao, CEO, SNIST

**Patrons** : Dr.C.Tomy, Director SNIST  
: Dr.T.Ch.Siva Reddy, Principal SNIST

### Coordinators:

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### Convenors

**Dr B Indira Reddy**  
Professor IT & IQAC –Director, SNIST  
**Prof . P Sreedhar**  
Asso. HoD ,Department of IT

### CO-Convenors

**Dr. Subhani Shaik**  
Associate .Professor IT, SNIST

### Co-Coordiators

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**Mr. G. Raja Ramesh**  
Asst .Professor, Department of IT, SNIST  
**Dr.P.N.Siva Jyothi**  
Associate Professor, Department of IT, SNIST

Members: All faculty of IT Department of SNIST