

National Institute of Technology (NIT), Warangal

National Institute of Technology (Formerly, Regional Engineering College (REC)), Warangal was the first to be established (in 1959) among the chain of 15 RECs in the country, setup as joint venture of the Government of India and the state Government. Pandit Jawaharlal Nehru laid the foundation stone for this institute on October 10, 1959. Over the years, the college has established itself as a premier institution imparting technical education of a very high standard leading to the B. Tech. degrees in eight branches of engineering, M. Tech. degrees in twenty-five specializations, P. G. degrees in eight specializations and Ph. D. programs in twelve specializations. It is a self contained residential campus located in a beautiful wooded land of about 248 acres. It is located on either side of Hyderabad - Warangal highway at a distance of 3 Kms from Kazipet railway station and 12 Kms from Warangal railway station. It is located at a distance of 140 Kms from Hyderabad. The Institute has more than 3600 students, 270 teaching staff and 360 administrative and supporting staff. It has a vast and strong alumni base, spread across the globe. For more details, visit nitw.ac.in

Centre for Continuing Education (CCE)

The CCE of NIT Warangal organizes continuing education programmes and workshops in the frontier areas of engineering, science, technology, management, humanities, social science and socially relevant themes on self-financing basis in three different modes, namely at NIT Warangal by NIT Warangal, at NIT Warangal in collaboration with other organizations and by NIT Warangal faculty at the host institute/organization.

Department of Computer Science and Engineering (CSE)

The Department of CSE was established in the year 1991. The Department offers high quality undergraduate, postgraduate and doctoral programs. The B. Tech. (CSE) program was started in the year 1983 with an intake of 20 students. The intake was subsequently increased to 120 in 2008. The M. Tech. (CSE) program was started in 1987 with an intake of 18 and subsequently increased to 20 in 2008 and M. Tech. (Information Security) was introduced in the year 2008 under Information Security Education Awareness (ISEA) project sanctioned by Ministry of Communication and Information Technology (MCIT), Department of Expenditure, Government of India, New Delhi with intake of 20. Later, it was renamed as M. Tech. (Computer Science and Information Security). The Master of Computer Applications (MCA) program was started in 1986 with an intake of 30 and increased to 46 from 2008. B. Tech., M. Tech. (CSE) and M. Tech. (CSIS) programs were accredited in 2014 by National Board of Accreditation (NBA) as per Washington accord. For more details, visit nitw.ac.in/department/cse/

Contact

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Online Center for Continuing Education (CCE) Programme

on

Soft Computing Techniques for Emerging Applications

26th to 30th July 2021

Organized by



Department of Computer Science and Engg.
National Institute of Technology, Warangal
Warangal - 506004, Telangana, India

in association with

Center for Continuing Education (CCE)

Coordinators

Dr. Manjubala Bisi

Dr. Sanjaya Kumar Panda



Soft Computing Techniques for Emerging Applications

Soft computing is a branch of computational intelligence, which covers probability theory, fuzzy logic, machine learning, neural networks, evolutionary computation, genetic algorithm, expert systems and many more. It has numerous applications, including image processing, decision support system, bioinformatics, cloud computing, artificial intelligence and wireless sensor networks.

The objective of this program is to equip the participants with the theory, essential tools and real-life applications of soft computing. The program will comprise lectures and hands-on sessions on the following topics.

- Genetic Algorithm • Particle Swarm Optimization
- Ant Colony Optimization • Teaching Learning Based Optimization • Jaya Algorithm • Simulated Annealing
- Fuzzy Logic • Neural Networks • Hybrid Intelligent Techniques • Case Studies of Soft Computing.

Objectives

- The objective of the programme is to introduce fundamentals of soft computing with its applications.
- The program would help the participants to understand the key concepts behind soft computing.
- Identify the soft computing algorithms which are more appropriate for emerging applications.
- This programme also focuses on exploring various research opportunities and challenges in the field of soft computing and its applications.

Targeted Participants

The programme is open to the faculty members, post-doctoral fellows, research scholars, PG students, UG students, industry personnel and staffs of NIT, Warangal.

Resource Persons

The resource persons for the FDP are from IITs/NITs/IIITs/central universities/other reputed institutions/industries and host institution NIT Warangal.

Registration Fee and Timing

| Category | Amount |
|---|------------|
| Faculty, Post-Doctoral Fellows, Research Scholars, PG Students, UG Students | Rs. 500/- |
| Industry Participants | Rs. 1000/- |

Registration fee is to be remitted online through NEFT to the bank account given below. Proof of remittance of the requisite registration fee (with date and transaction number) shall be uploaded in the Google form.

Important Note: Please enter course code CSSC in remarks while doing transaction. This is mandatory.

| | |
|----------------|--------------------------------------|
| Account Number | 62403680215 |
| Account Type | Savings |
| Account Name | Center for Continuing Education NITW |
| Bank Name | State Bank of India |
| Branch | NIT Warangal |
| IFSC Code | SBIN0020149 |
| Remarks | CSSC |

Selection and Confirmation

Only 100 seats are available for this programme. On receipt of the Google form and fee remittance receipt, participants will be sent confirmation of their participation through email by July 22, 2021. Candidates are advised to register early to avoid disappointment.

How to Apply

Interested participants are required to apply using the url given below. Applicants who are selected for the FDP will be intimated via email and confirm their participation for the FDP by return email.

Important Dates

Last date to apply July 20, 2021
Intimation of selection July 22, 2021

Contact

Please add our email id manjubalabisi@nitw.ac.in and sanjaya@nitw.ac.in to your address book to receive information from us about the programme.

Apply

<https://forms.gle/fBQXdTULwgAfEg6g8>

