KURUKSHETRA

Kurukshetra is described as DHARAMKSHETRA, with historical and religious importance. Here, the battle of Mahabharata was fought, and Lord Shree Krishna preached the philosophy of "KARMA" as enshrined in the holy book "Shrimad Bhagwad Gita." It is one of the premier pilgrimage center attracting devotees all round the year. Kurukshetra is very well connected by Rail, Delhi-Ambala section, by Road (NH1, connecting Delhi-Chandigarh-Amritsar-Jammu) and by Air (Delhi 160 km and Chandigarh 80 km). The NIT Kurukshetra campus is situated about 10 km from Pipli, Bus stand located on NH1 and about 4 km from Kurukshetra railway station.

NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA

NIT Kurukshetra, formerly known as Regional Engineering College, Kurukshetra was founded in 1963. It was conferred upon the NIT status, with Deemed University on June 26, 2002. The Institute offers several courses, in various disciplines of B.Tech., M.Tech., MBA and MCA and Ph.D. Institute also provides excellent facilities for advanced research in the emerging areas of Engineering, Science, and Technology. The institute has well qualified and dedicated faculty along with supporting staff, laboratories and other infrastructure. The infrastructure is geared to enable the institute to produce technical personnel of high quality.

COURSE OBJECTIVES

Computational Intelligence (CI) is the backbone for Next Generation of Wireless Communication Technologies, Smart Healthcare, Embedded Systems, Wireless Networks, Autonomous Vehicle, etc. Traditionally, Artificial Intelligence, Machine Learning, and Evolutionary Computation etc. are few of the most prominent areas of research involving CI. Over the last few years there has been an explosion of research on Deep Learning, in particular deep convolutional neural networks. Nowadays, deep learning has become the core method for artificial intelligence. In fact, some of the most successful AI systems are based on CI.

This course is proposed to cover Machine Learning, Deep Learning and their applications in various fields such as Next generation of wireless communication Technologies, computer vision, Wireless Sensor Networks, and Smart Healthcare Systems, etc.

PATRON

Dr. B.V. Ramana Reddy,
Director, NIT Kurukshetra

CO-PATRON

Dr. Brahmjit Singh
Professor and Dean (P&D), NIT Kurukshetra

CONVENER

Dr. Vrinda Gupta,
Associate Prof. and Head, ECE Department

COURSE COORDINATOR

Dr. Gaurav Verma and Dr. Ghanapriya Singh
Assistant Prof., ECE Department

IMPORTANT DATES:

- Last date for submission of registration form and payment receipt: **25th May, 2023**.
- Intimation of selection (on website or by email): on or before **30th May, 2023**.

Note: Intimation of acceptance will be communicated through email.

Address for Correspondence:
Dr. Gaurav Verma and Dr. Ghanapriya Singh
Electronics and Comm. Engg. Department,
NIT Kurukshetra-136119
Ph: (M) **7404433060, 9068289740**
Email: stcnitkkr@gmail.com

One Week Short Term Course

on

Computational Intelligence Technologies and Applications

(CITA-2023)

(June 03-08, 2023)

Diamond Jubilee Year
2022-23

Celebrating 60 Years of Academic Excellence

Department of Electronics and Communication Engineering,
National Institute of Technology, Kurukshetra
Kurukshetra-136119, Haryana, India

RESOURCE PERSON

Eminent speakers from Indian Institute of Technology (IITs) are proposed to deliver the expert lectures and conduct the hands-on-sessions in CITA 2023:

- Prof. Debiprasanna Sahoo, IIT Roorkee
- Prof. Shashi Shekhar Jha, IIT Ropar
- Prof. Raksha Sharma, IIT Roorkee
- Prof. Sandeep Kumar Garg, IIT Roorkee
- Prof. Abhinav Dhall, IIT Ropar

COURSE HIGHLIGHTS

The course aims to address the following issues related to the wireless communication and signal processing techniques.

- Fundamentals of Machine Learning
- Introduction to Deep Learning and their applications in real world.
- A deep understanding of AI for systems
- Application of Machine Learning in Next generation of wireless communication Technologies.
- Application of Machine Learning for Smart Healthcare systems.
- Sessions on Python.
- A hands-on practice through Lab Sessions for Machine Learning and Deep Learning algorithms.

WHO SHOULD ATTEND?

Faculty member/research scholars/students from academic Institutes approved by the AICTE/ UGC/ MHRD and Scientists/Engineers working in Private/ Public/Govt. organizations/industries etc. can attend the course. The application should be made on the registration form and should accompany registration fee as follows:

Participant's category	Registration fee*
Research Scholars/Students	Rs. 1000/-
Faculty	Rs. 3000/-
Industry/ R&D / Govt. Organization	Rs. 6000/-
Foreign Delegate	$ 200

*** This STC Brochure is also available at institute website.**

* **Registration fee is non-refundable**

Participants will be provided High tea during the sessions. However, limited accommodation is available in the hostel/ guest house. The accommodation and the meals can be arranged on the request of the participants on payment basis, separately. No TA/ DA will be paid to the participants. Participants will be selected on first-come-first-served basis. The registration form (attached in 2nd page of brochure), completed in all respects, and accompanied by SBI Collect Payment receipt should be mailed to stcnitkkr@gmail.com on or before 25th May, 2023.

Registration Fee Payment:

- Step I: Go to the SBI Collect link https://www.onlinesbi.sbi/sbicollect/icollecthome.htm
- Step II: Select State of Corporate/ Institution* as "Haryana" and Type of Corporate/ Institution* as "Educational Institutions", and submit.
- Step III: Select Educational Institutions Name as "Director, National Institute of Technology, Kurukshe" and submit.
- Step IV: Select Payment Category as: "CITA 2023", then submit
- Step V: Fill the form, pay the fees and submit finally.
- Step VI: Do save the transaction receipt to communicate us and for future use.

Organized by

REGISTRATION FORM

One Week Short Term Course on

Computational Intelligence Technologies and Applications

(CITA-2023)

(June 03-08, 2023)

Name: _____

Title (Dr./Mr./Mrs./Ms.):_____

Sex (M/F): _____

Date of Birth: (dd/mm/yyyy) _____

Designation: _____

Organization: _____

Address for correspondence: _____

_____

_____

Phone: _____

E-mail: _____

Qualification: _____

Category for Registration: _____

Accommodation required*: Yes / No

Payment details:

Transaction Number_____

Date of Transaction: _____

Name of person doing payment: _____

Amount: _____

Signature of applicant (with date)

(Signature of Sponsoring authority/ Head of the Department / Section / School / Institute)

*Signature is needed only if sponsored