

One Week
All India Council of Technical Education (AICTE)
Sponsored
Short Term Course under QIP
On
**Computational Intelligent Models for Electrical
Engineering Applications**
From
6th to 10th September 2021



Organized by
The Department of Electrical Engineering
National Institute of Technology Arunachal Pradesh
Yupia, Arunachal Pradesh, India

About NIT Arunachal Pradesh

The National Institute of Technology, Arunachal Pradesh was established in the year 2010 by MHRD, Govt. of India and was inaugurated on 18th of August, 2010 as a member of a group of ten new NITs. All new NITs were established as centres of excellence in technical education to combat the growing need of technological professionals in India as well as in the world. It is one of the 31 National Institutes of Technology in India and is recognized as an Institute of National Importance. Presently the Institute is running with yearly intake of 190 undergraduate students in five major Engineering departments such as Civil Engineering, Computer Science and Engineering, Electrical Engineering, Electronics and Communication Engineering and Mechanical Engineering. Other departments of the institute include – Basic & Applied Sciences, Bio-Technology, Chemical Engineering and Management & Humanities. Each department is equipped with the state of the art laboratories to cater and inculcate fundamental and innovative knowledge based skills to the students. The Institute has thrived through rigorous challenges and has evolved to see the new heights with present capacity of 760 students pursuing various bachelor, master as well as doctorate degrees from the departments. The faculty and student of the Institute are involve actively in various R&D projects sponsored by various Government agencies and the current value of such running project is around 5 Crores for 25 projects. NIT Arunachal Pradesh participated in the NIRF 2020 and ranked 200 in the Engineering category.

About the Department of Electrical Engineering

The Department of Electrical & Electronics Engineering was established right from the inception of the Institute in 2010. It is renamed as the Department of Electrical Engineering in 2013-14 with the approval of Senate. The department now runs B.Tech in Electrical Engineering and M.Tech in Renewable Energy and Energy Management (REEM). The Department maintains an excellent teaching/learning and research environment with dedicated, qualified and dynamic pool of members of faculty and well equipped laboratories. The Department of Electrical Engineering (EE) embodies the institute's tradition of excellence in engineering education by actively involving in consultancy works and sponsored research projects to serve the society and to cater the needs of the student fraternity.

About the Short Term Course

Using computational intelligent models for complex engineering problems, savings were estimated at more than \$1.25 million in a recent year. Three major points need to be understood about Computational Intelligent (CI) techniques as an emerging technology. First, it is revolutionary in that it potentially raises productivity 10-fold or more, and requires many changes in the mind-set of management and people using it. It can, therefore, have an enormous impact on international competitiveness. Second, as an emerging technology, computational intelligent requires sustained long-term research. Third, CI is experiencing market acceptance problems. It can take a major education effort to introduce a new technology, and if the CI technology is revolutionary, it may even entail a re-engineering of entire business organizations, and require an often unwelcome paradigm shift in the thinking of electrical engineering management. Computational models enable the study of complex worlds because they themselves are dynamic. The Short Term Course is planned to provide the faculty fraternity an opportunity to gain knowledge on the development and modelling of the computational intelligent techniques and as well applying these algorithms for numerous complex electrical engineering problems.

Chief Patron

Prof. Pinakeswar Mahanta
Director, NIT Arunachal Pradesh



Program Co-ordinators

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Organizing Committee

- | |
|---|
| 1. Dr.Rajen Pudur, Assistant Professor, Dept. of Electrical Engineering |
| 2. Dr.Rajib Jana, Assistant Professor, Dept. of Electrical Engineering |
| 3. Dr.Shantanu Chatterjee, Assistant Professor, Dept. of Electrical Engineering |
| 4. Dr.Ralli Sangno, Assistant Professor, Dept. of Electrical Engineering |
| 5. Dr.Brajagopal Datta, Assistant Professor, Dept. of Electrical Engineering |

Tentative Schedule

Day	9:00 am – 11:00 am	11:00 am – 01:00 pm	02:00 pm – 03:30 pm	03:30 pm – 05:00 pm
Day 1 06.09.2021	Inaugural function & Session 1	Session 2	Session 3	Session 4
Day 2 07.09.2021	Session 5	Session 6	Session 7	Session 8
Day 3 08.09.2021	Session 9	Session 10	Session 11	Session 12
Day 4 09.09.2021	Session 13	Session 14	Session 15	Session 16
Day 5 10.09.2021	Session 17	Session 18	Session 19	Valedictory function & Feedback session

List of Eminent Experts



Prof. Dr. G.N. Pillai

Professor and Head of the Department
Department of Electrical Engineering
Indian Institute of Technology Roorkee
Roorkee, Haridwar
Uttarakhand – 247667



Prof. Dr. N. Yadaiah

Professor
Department of Electrical and Electronics
Engineering
JNTUH College of Engineering Hyderabad
Hyderabad, Telangana – 500085



Prof. Dr. Sydulu Maheswarapu

Professor (HAG)
Department of Electrical Engineering
National Institute of Technology Warangal
Telangana - 506004



Prof. Dr. V. Sanakaranarayanan

Professor and Head of the Department
Department of Electrical and Electronics
Engineering
National Institute of Technology Tiruchirapalli
Tiruchirapalli, TamilNadu – 620015



Prof. Dr. S. Baskar

Professor and Dean (R&D)
Department of Electrical and Electronics
Engineering
Thiagarajar College of Engineering
Madurai, TamilNadu – 625015



Prof. Dr. C.K. Babulal

Professor and Head of the Department
Department of Electrical and Electronics
Engineering
Thiagarajar College of Engineering
Madurai, TamilNadu – 625015



Dr. Sishaj.P. Simon

Associate Professor
Department of Electrical and Electronics
Engineering
National Institute of Technology Tiruchirapalli
Tiruchirapalli, TamilNadu - 620015



Dr. T. Aruldoss Albert Victoire

Associate Professor and Head of the Dept.
Department of Electrical and Electronics
Engineering
Anna University Regional Campus Coimbatore
Coimbatore, TamilNadu - 641046

List of Eminent Experts



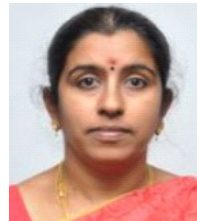
Dr.S.Sreejith
Assistant Professor
Department of Electrical Engineering
National Institute of Technology Silchar
Silchar, Assam – 788010



Dr.Jay Prakash
Assistant Professor
Department of Computer Science and Engineering
National Institute of Technology Calicut
Kozhikode, Kerala - 673601



Dr.G.Sai Narayanan
Senior Technical Specialist
HCL Technologies Ltd
SBD2 - 102A ODC, ELCOT - SEZ Campus
Shollinganallur - Medavakkam Main Road
Chennai, TamilNadu – 600119



Dr.Surekha Paneerselvam
Assistant Professor
Department of Electrical and Electronics Engineering
Amrita School of Engineering
Amrita Vishwa Vidyapeetham
Bengaluru – 560035



Prof.Dr.Deepak Mishra
Professor and Head of the Department
Department of Avionics
Indian Institute of Space Science and
Technology, Dept. of Space, Govt. of India,
Trivandrum, Kerala - 695547



Dr.Suresh Babu Perli
Assistant Professor
Department of Electrical Engineering
National Institute of Technology Warangal
Telangana - 506004

Target Participants

All teachers of degree level technical/engineering College/Institutions/ Universities/ North-eastern polytechnics approved by the AICTE are eligible to attend the Short Term Course.

Participants (teachers or non-teachers) from other government and private organizations (non-NITS and non-AICTE recognized colleges) may be included provided they pay a course fee maximum of Rs 5000/- for government organizations and Rs. 10000/- for private organizations.

Registration

Kindly register for the short term course by filling the below given registration form and mailing it to the Program co-ordinators institute and gmail mail ids.

**AICTE – QIP SHORT TERM COURSE
ON
COMPUTATIONAL INTELLIGENT MODELS FOR ELECTRICAL ENGINEERING
APPLICATIONS**

06TH – 10TH SEPTEMBER 2021

REGISTRATION FORM

Name of the Faculty Member/ Participants from Industries/ Other Organizations	:	
Designation	:	
Qualification	:	
Experience	:	
Institution	:	
Institute AICTE Approved/ Not Approved	:	
Email ID	:	
Mobile Number	:	
Area of Interest	:	
Institution Address	:	
Date	:	
Place	:	

Signature of the Participant

“STAY SAFE, PREVENT CORONA”