

ABOUT GEC Jhalawar

The Government Engineering College Jhalawar (GECJ), Rajasthan is established in the year 2007 by the Govt. of Rajasthan to enhance the Technical Education in the state. This College is affiliated to the Rajasthan Technical University (RTU), Kota and the B. Tech. Programs are duly approved by AICTE New-Delhi. At Present GECJ offers 6 B. Tech. Programs and 3 Professional Courses. The institute is funded by World Bank under TEQIP-III, with the mentorship of NITK, Surathkal, Mangalore, Karnataka.

ABOUT NITK, Surathkal

Since its inception in 1960, the National Institute of Technology Karnataka (NITK), Surathkal has established itself as a premier Institution engaged in imparting quality technological education and providing support to research and development activities. NITK is consistently ranked as one of the top technical institutions in India. Presently, the institute offers 9 UG, 28 PG and PhD programmes in various disciplines of Engineering, Technology, Science and Business Management.

GEC Jhalawar



NITK, Surathkal



ABOUT THE COURSE

In recent times, soft computing techniques are successfully applied in the various field of engineering. The main objective of the faculty development program (FDP) is to enhance the awareness about the optimization techniques using nature-inspired algorithms like ABC, PSO, SMO etc. and their application in various domains of engineering.

The aim of this one week FDP is to train and orient the faculty & student to learn these techniques in appealing way. This platform will provide quality education which will be meaningful in the workplace as well as in research and development oriented career. The program has been developed with unique approaches to convey information more effectively and enable the visualization and applications of optimization process and techniques.

COURSE TOPICS

- Fundamentals of optimization.
- Genetic Algorithm (GA) and applications
- Differential Evolution (DE)
- Particle Swarm Optimization (PSO)
- Ant Colony Optimization (ACO)
- Artificial Bee Colony (ABC)
- Artificial Neural Networks and Fuzzy Logic
- Spider Monkey Optimization (SMO)
- Applications in Engineering Problems

TEQIP Phase III Sponsored

One Week

FACULTY DEVELOPMENT PROGRAMME

On

“Recent Developments in Soft Computing Techniques for Engineering Applications”

Technically sponsored by
(Soft Computing Research Society, New Delhi)

14th -18th May, 2018

Organized by

**Department of Electrical Engineering,
GEC Jhalawar, Rajasthan
Under the Mentorship of TEQIP III,
National Institute of Technology
Karnataka (NITK), Surathkal**



CHIEF PATRON:

Prof. Karanam Uma Maheshwar Rao,
Director, NITK Surathkal

PATRON:

Prof. Mithilesh Kumar,
Principal, GEC Jhalawar

COORDINATORS:

GEC Jhalawar

Dr. Neeraj Garg
Dr. Ajay Sharma
Mr. Ashish Khandelwal

NITK Surathkal

Dr. Debashisha Jena (EEE, NITK)
Dr. Tukaram Moger (EEE, NITK)

ELIGIBILITY

This programme is interdisciplinary, and it is open to faculty members, research scholars and PG students of engineering institutes/colleges including working professionals from the Industries.

REGISTRATION DETAILS

- Due to limited number of seats, the selection will be made on a first come, first serve basis and intimation will be sent to the candidates by email in due course of time. A demand draft (DD) of Rs. 2500/- towards registration fee should be deposited in favour of Principal Government Engineering College Jhalawar along with the registration form.
- A fee waiver of 10% is admissible to participant from TEQIP/Host institutes and Soft Computing Research Society, New Delhi (SCRS) members.
- Participants are requested to make their own arrangements for stay during the program. However, suggestions for suitable accommodation near the college can be made on request.
- No TA/DA will be provided to the participants. Working Lunch will be provided by organizers.

ORGANIZED AT

The venue will be at **GEC Jhalawar, Rajasthan**. The course will be handled by academicians from premier institutions and prominent researchers.

HOW TO APPLY

- Scanned copy of the registration form duly signed by sponsoring authority with registration fees DD should be sent by **15th April 2018** to email address gecj.ee@gmail.com.
- Intimation to the selected candidates (by Email only) will be send by **20th April 2018**.
- Hard copy of registration form with DD duly completed in all respects is to be produced at the time of registration.

Contact Persons:

Dr. Neeraj Garg: +91-9462716792

Dr. Ajay Sharma: +91-9413943189

Mr. A. Khandelwal: +91-8107033141

Dr. Debashisha Jena: +91-9019148131

Dr. Tukaram Moger: +91-9611475268

Correspondence:

1. Dr. Ajay Sharma

ajay_2406@yahoo.com

2. Mr. Ashish Khandelwal

ashish_khandelwal042@yahoo.com

Government Engineering College (GEC),
Jhalawar, Sunel Road, Village Chandloi,
Tahasil Jhalarapatan, Dist. Jhalawar,
Rajasthan. PIN: 326023.

TEQIP Phase III Sponsored

One Week

FACULTY DEVELOPMENT PROGRAMME

On

**“Recent Developments in Soft
Computing Techniques for
Engineering Applications”**

Technically sponsored by
(Soft Computing Research Society, New Delhi)

14th -18th May, 2018

1. Name:

2. Highest Qualification:

3. Designation:

4. Department:

5. Affiliation:
.....

6. Address for Correspondence:
.....
.....
.....

7. Mobile No.:

8. E-mail:

9. Payment Details:

DD No..... Date.....

Name of Bank:.....

Signature of Applicant

Signature & Seal of Sponsoring Authority