

ABOUT THE COLLEGE

Govt. Engineering College Ajmer was established in year 1997 with a view to provide learning facilities to boys & girls, deserving and desiring, and to produce engineers of highest ability who will become trendsetters in the profession. The institution is successfully moving forward with increased student strength, brilliant faculty members and efficient staff members. The institute has its own sprawling Wi-Fi campus, most modernized and ever growing other infrastructure facilities. Our aim is balanced development of students' personality got concrete expression in the form of participation of students in activities, organized under various forums like Creative Art Society, Sports Club, NSS, NCC for their physical, mental, aesthetical, ethical and intellectual development.

Govt. Engineering College, Ajmer



OBJECTIVES OF THE FDP

One of the mandates of the Government Engineering College, Ajmer is to disseminate the knowledge. In pursuit of the same, this FDP is being organized to enhance the awareness about the Optimization Techniques using nature inspired algorithms like ABC, PSO, ACO etc. and its applications in various domains of engineering. The aim of this one week FDP is to train and orient the faculty & students to learn these techniques in appealing way and will provide a first-rate education that is meaningful in the workplace as well as in graduate education leading to a research and development oriented career. The program has been developed with unique approaches to convey information more effectively and enable the visualization and application of optimization process and techniques.

This FDP is intended for faculty members, research scholars & industry personnel who have interested in such advanced techniques. Topics covered:

- Fundamentals of optimization.
- Single and multi objective optimization.
- Fundamentals of nature inspired optimization techniques.
- Genetic Algorithm (GA) and applications.
- Differential Evolution (DE).
- Particle Swarm Optimization (PSO).
- Ant Colony Optimization (ABC).
- Artificial Networks and Fuzzy Logic.
- Spider Monkey Optimization (SMO).
- Basics of MATLAB.
- Introduction and Research perspective of LaTeX Tool.
- Research papers writing using LaTeX

TEQIP-III Sponsored One Week Faculty Development Program On Nature Inspired Algorithms for Engineering Applications (23rd July to 27th July, 2018)

in Twinning Arrangements with
VJTI, Mumbai



Technical Sponsored by
Soft Computing Research Society,
New Delhi.



PATRON

Prof. Ranjan Maheshwari
Principal

CONVENER

Dr U.S. Modani
Associate Professor and Head (ECE)

Organized by
Department of Electronics and
Communication Engineering
Govt. Engineering College,
Ajmer-305025 (Raj.)
Contact No. 0145-2971024
www.ecajmer.ac.in

ELIGIBILITY

This programme is interdisciplinary and it is open to faculty members engaged in Engineering & Applied Science Departments, research scholars and PG students of engineering institutes/colleges including working professionals from the Industries.

REGISTRATION DETAILS

Participants	Amount
Faculty or Students from TEQIP Sponsored Institutes	Nil
Students & Research Scholars from Non-TEQIP Institutes	Rs. 500/-
Faculty from Non-TEQIP Institutes	Rs. 1000/
Industry Personnel	Rs. 1500/

- Registration forms are also available on Institute's website www.ecajmer.ac.in
- Registration form duly forwarded by Head of the Department/Institute along with demand draft of requisite amount in favour of "Principal, Govt. Engineering College, Ajmer".
- Participants are requested to make their own arrangements for stay during the FDP. 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.

HOW TO APPLY

- Scanned copy of the registration form duly signed by sponsoring authority with registration fees DD should be sent by **21st July 2018** to email address niaeaajmer@gmail.com.
- Intimation to the selected candidates (by Email only) will be sent by **21st July, 2018**.
- Hard copy of registration form with DD duly completed in all respects is to be produced at the time of registration.

COORDINATORS

Anurag Garg **Harish K. Sharma**

ORGANIZING COMMITTEE

Dr Rekha Mehra **Dr Adarsh Mangal**
Dr Deepak Jhanwar **Dr Manish Badlani**
Mr. Mukesh Gupta **Mr. Ravinder Singh**
Mr. Lalit K. Dusad **Dr Jitendra B. Maurya**
Mr. Rajesh K. Raj **Mr. Manoj Falaswal**
Mr. Ravi K. Goyal **Ms. Namita Mallik**
Mr. P. C. Shrivastava **Mr. Imtiyaz Khan**

ADDRESS FOR COMMUNICATION

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www.ecajmer.ac.in

TEQIP-III Sponsored

One Week Faculty Development Program On Nature Inspired Algorithms for Engineering Applications

(23rd July to 27th July, 2018)

1. Name:
2. Highest Qualification:
3. Designation:
4. Department:
5. Affiliation:
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6. Address for Correspondence:
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.....
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7. Mobile No.:
8. E-mail:
9. Payment Details:
DD No..... Date.....
Name of Bank:.....

Signature of Applicant

Signature & Seal of Sponsoring Authority