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CONVENER

Dr. J.K. Deegwal

Women Engineering College, Ajmer

Dr. A K Tiwari

Department of Chemical Engineering,

Dr B R Ambedkar NIT Jalandhar

COURSE COORDINATOR

Dr. Mahesh Bohra

Department of Mathematics, WEC, Ajmer

Ms. Shalini Agarwal

Department of Mathematics, WEC, Ajmer

LOCAL ORGANIZING COMMITTEE

| | |
|------------------------|----------------------|
| Dr. S. B. Gupta | Dr. Seema Maheshwari |
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Women Engineering College, Ajmer

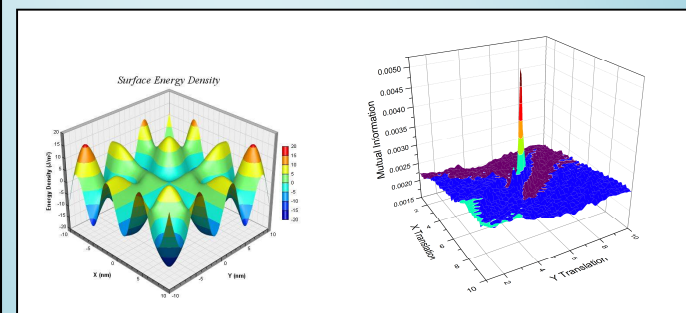
(An autonomous institute of Govt. of Rajasthan
Nasirabaad road, Makhapura, Ajmer, 305002)

SHORT TERM COURSE
ON

**"Computational Methods in Engineering
Science"**

October 24-28, 2020

(Under TEQIP-III)



Organized by



**Department of Humanities and
Sciences (Mathematics)**
**Women Engineering College,
Ajmer**

In collaboration with Mentor Institute



**Department of Chemical Engineering,
Dr B R Ambedkar National Institute
of Technology, Jalandhar**

WOMEN ENGINEERING COLLEGE, AJMER

Women Engineering College Ajmer holds the privilege of being first Government Engineering College for Women in the North India. The foundation Stone of this college was laid on 30th April, 2007. The college is acting as a pedestal to explore the hidden talent for technical and managerial excellence among the students. At present, 1500 students are studying in various bachelor and masters courses. The college is located on NH-79 and is easily accessible through rail and road. The nearest airport is at Jaipur. Ajmer is the heart of the royal state of Rajasthan, situated in the South west of Jaipur, and wrapped through the greens of Arravali hills.

ABOUT DEPARTMENT

The Humanities and Sciences Department is one of the departments in this Institute that acts as a bridge between the basic sciences like physics, chemistry and mathematics with engineering procedure and providing the fundamental knowledge of basic sciences to the engineering graduates of various streams. The H & S Department also integrates humanistic values, communication skills and social concerns with technical education in engineering students. In the twinning programme with NIT, Jalandhar two national conferences and Two STCs have been successfully organized in collaboration with Chemical Engineering Department, NIT, Jalandhar.

ABOUT TEQIP

Technical Education Quality Improvement Programme (TEQIP) was envisaged as a long-term programme to be implemented in 2-3 phases for transformation of the Technical Education System with the World Bank assistance. As per TEQIP phase III design, the project has following main objectives: Providing teaching and research assistantships to increase enrolment in existing and new PG programmes in engineering disciplines, subject knowledge and research competence, organizing subject area training programmes, workshops, seminars, conferences, modernization & strengthening of laboratories

OBJECTIVES OF THE COURSE

A computational method in engineering science brings to light the numerous uses of numerical methods in engineering and science. In this course, experts will clearly explain the application of these methods mathematically, emphasizing programming aspects when appropriate. By approaching the cross-disciplinary topic of numerical methods with a flexible approach.

- Balance discussion of mathematical principles and engineering applications.
- Detail step-by-step numerical / analytical method and practical examples to help UG/PG students, faculty, and researcher to fully grasp the concepts.

WHO CAN ATTEND THIS STC?

Faculty members in all disciplines of Engineering, Sciences, Mathematics, Physics, Post Doctoral Fellows, Research Scholars/ PG/UG students.

IMPORTANT FOR PARTICIPANTS

- No Registration Fee for participation.
- Kindly enter your details carefully during registration. For registration kindly follow the link.
- Seats are very limited.
- Short listing criteria for the registration are seat based on first cum & first serve.
- E-Certificate will be issued to participants after reviewing attendance and receiving feedback.

CONFIRMATION OF PARTICIPATION

After receiving the Google form (registration), participants will be sent confirmation of their participation through email by 23rd October 2020. As the programme is conducted online, the number of participants in the STC is limited to 100. Candidates are advised to register early to avoid disappointment.

REGISTRATION

Interested participants may apply by filling the following Google Form on or before the 22nd October 2020.

Registration Link

https://docs.google.com/forms/d/1mVgANOBc2IYLbcIhkQHt44_pco3mFoKNgbPBE3JccN8/edit

For any query related to STC, please contact,
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Or

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[Kindly make use of this opportunity during COVID 19 pandemic situation.](#)