

Preamble:

MATLAB is a high-level language and interactive environment for numerical computation, visualization, and programming. It is a multidisciplinary field involving material science, sensors & actuators, optics, signal processing, statistics, computation, communication. The applications for this field are visible in almost all area of electrical, electronics, mechanical, mining, civil, agriculture, safety, security, communication, manufacturing, processing and many more.

This one week short term training program on computational and statistical techniques in engineering and agriculture aims to provide exposure of engineering concepts, scientific principles, research methodology and hands-on experience on advanced real-life R&D projects in number of key research areas. Due to its multidisciplinary nature faculties/research scholars / industry persons from wider branches of engineering and sciences can enroll into this course. Few sessions of the program will focus on core subjects and associated laboratories.

This program will provide an opportunity to the candidates for effective utilization of the knowledge acquired through the training program towards advanced R&D project work and dissertation in their chosen research areas for further enhancement of the skill.

Themes:

- Fundamentals of Computational Method and MATLAB.
- MATLAB Programming.
- Linear & Non Linear Algebra.
- Linear and Non linear Ordinary Differential Equations.
- Linear and Non Linear Regression.
- Optimization Techniques.
- Understanding and application of SIMULINK.
- Specialized Toolboxes/Apps: Neural Networks,

• Statistical tool applicable in Research
• MATLAB steady and unsteady system using

Resource Persons:

Faculties from reputed institutions like IITs, NITs, Central Universities and R&D institutes.

Target Audience:

This training program is open to Academician, Scientist, Research Scholars, UG/PG Students, persons working in R&D Organizations and Industries.

Registration Fee:

The registration must be paid through a demand draft / at par cheque drawn in favor of **Dean Boy's Fund C.T.A.E.**, payable at Udaipur, Rajasthan. However no fee for the students of MNIT Jaipur and CTAE Udaipur.

Delegates

Registration Fee (Rs)

Industry / R& D organization	5000/-
Academic	2500/-
Research Scholar	1500/-

Registration fee (non refundable) includes registration kit, course certificate and lunch.

Accommodation & Transport:

The facility for stay arrangements is available in the Scientist Hostel on payment basis as per university rules.

No TA/DA will be provided to the participants.

Importance Dates:

Last date of Registration: 22 February 2019
Intimation of selection (Email): 23 February 2019

Venue:

Dppt. of Mechanical Engineering, CTAE, Udaipur

TEQIP Sponsored

One week Short Term Course on

Computational and Statistical Techniques in Engineering, Sciences and Agriculture

25 February - 1 March, 2019



Jointly Organized by

Department of Mechanical Engineering
College of Technology and Engineering,
Maharana Pratap University of Agriculture and
Technology, Udaipur-313001

&

Dppt. of Mechanical Engg. and Chemical Engg.
Malaviya National Institute of Technology
Jaipur, J. L. N. Marg, Malaviya Nagar,
Jaipur-302017 (Raj.)

ONE WEEK STC

on

Computational and Statistical Techniques in Engineering, Sciences and Agriculture

25 February- 1 March, 2019

REGISTRATION FORM

Name

Designation and Official Address

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Mailing Address.....

.....

Accommodation required: Yes/ No

Phone/Mobile

E-mail:

Details of course fee Payment by crossed

Cheque/D.D. No. _____ Dated

Applicant Signature

Authorized Signatory

Patron: Prof. Udaykumar R. Yaragatti
Director, MNIT Jaipur

Prof. A. K. Sharma
Dean, CTAE, Udaipur

Advisors:

Dr. M. A. Saloda
Head, MED, CTAE, Udaipur
Prof. S. Jindal
CTAE, Udaipur

Conveners

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Prof. Dilip Sharma, MNIT Jaipur
Prof. G. S. Dangayach, MNIT Jaipur
Prof. Kailash Singh, MNIT Jaipur
Dr. Nirupam Rohtagi, MNIT Jaipur

Coordinators:

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Dr. M. L. Meena, MNIT Jaipur
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About Udaipur

Udaipur is a beautiful city of lakes, palaces and fountains which attracts more than one million tourists from within the country and abroad every year. Serene in the shadows dark green hills of Arawali, four lakes; Pichola, Fatehsagar, Udaisagar and Bari, are shimmering jewels, from the opal surface of which rise fairly snow white palaces; Jagmandir and Jagniwas. The famous temple of Shrinathji Nathdwara (50 km), Chittorgarh Fort (110 km), Ranakpur (90 km), Kumbalgarh (90 km) are the other places of interest. During September the climate of city is very pleasant and average temperature varies between 22°C to 34°C.

Udaipur located on NH-8 and NH-76; east west corridor, is connected by daily Air India and Jet Airways flights from Delhi and Mumbai. It is also connected by train from Delhi (750 km), Ahmedabad (250 km), Mumbai (900 km), Indore (450 km) and Jaipur (450 km). Luxury coaches are also available from various important cities of India.

About Institute

The College of Technology and Engineering, Udaipur (CTAE) is a constituent college of the Maharana Pratap University of Agriculture and Technology, Udaipur. The college was started in 1964 with a Graduate Programme in Agricultural Engineering. Presently the CTAE has UG degree programmes in 8 branches, PG programmes in 12 disciplines and PhD programmes in 9 disciplines. The five undergraduate programmes of college i.e. Mechanical, Electrical, Mining, Civil and Agricultural Engineering are NBA accredited in Tier-1.

The college has been recognized as Outstanding Engineering College in Northern Region and has been awarded "Outstanding Institution Award" in 2013 by NITTTR Chandigarh. This College has ranked among the top 100 engineering colleges of the country by Department of Human Resources, Government of India under National Institute Ranking Framework.

The college has dynamic curriculum at par with best in the country, qualified & dedicated faculty, supportive staff and excellent infrastructure, the college is preferred destination of top ranking students of the State.