

Government College of Engineering, Jalgaon
(An Autonomous Institute of Government of Maharashtra
& NAAC Accredited)

One Week Faculty Development Program
on

**“Power System Simulation using
CYME & PSIM”**

28 Jan - 01 Feb 2019

Sponsored by TEQIP III

REGISTRATION FORM

Name: _____

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communication: _____

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Educational Qualification _____

Experience: _____

Registration Fee: Rs. _____

DD/Cheque details.: _____

Signature of Applicant:

Signature of Sponsoring Authority (with seal and date)

*The participants can remit the amount via NEFT/ IMPS to account
given below*

Details of Bank Account

Account No: **067010210000024**

IFSC Code: **BKID0000670**

Name of account : Principal, Govt. College of Engg, Jalgaon

Bank: Bank of India, Branch: Jalgaon

Patrons

Dr. Abhay E. Wagh

State Project Administrator, SPIU &
Director, DTE, M.S, Mumbai

Shri A. B. Jain

Chairman, BoG, Govt. College of Engineering, Jalgaon
& Chairman, Jain Irrigation Systems Ltd. Jalgaon

Shri D. P. Nathe

Joint Director, Technical Education
Regional Office, DTE, Nashik

Dr. R. P. Borkar

Principal, Govt. College of Engineering, Jalgaon

Dr. D. Patnaik

Principal, Govt. College of Engineering, Kalahandi

Convenors

Dr. A. R. Phadke

Asso. Prof. & Head, Electrical Engg. Department

Prof. R. D. Kokate

Professor, TEQIP-III Coordinator

Dr. Chittaranjan Das

TEQIP Coordinator, Govt. Engg. College, Kalahandi

Coordinator

Mrs. D. P. Yavalkar

Assistant Professor, Electrical Engineering
Email: deepayavalkar@gmail.com

Co-Coordinator

Mr. W.A. Gavhane

Assistant Professor Electrical Engineering
Email: walmik.g@gmail.com

Technical Advisory Committee

Prof. D. S. Chaudhari

Prof. M. J. Sable

Prof. S. S. Pusadkar

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Prof. D.V. Chaudhari

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**Government College of Engineering,
Jalgaon**

(An Autonomous Institute of Govt. of Maharashtra
& NAAC Accredited)
“Globally Accepted Engineers with Human Skills”

In association with

**Government College of Engineering,
Kalahandi, Orissa**
(Mentee Institute)



**One-Week Faculty
Development Program**
on

**“Power System Simulation
using CYME & PSIM”**

**Under
Technical Education Quality
Improvement Program- Phase III**

28 Jan - 01 Feb 2019

Coordinator

Mrs. D. P. Yavalkar

Co-Coordinator

Mr. W. A. Gavhane

Organised by

Department of Electrical Engineering
Govt. College of Engineering, Jalgaon
Opposite DIC, NH-6
Maharashtra, 425001
Ph.No: 0257- 2281522, 2280534
<https://www.gcoej.ac.in/>

About the Institute

Govt. College of Engineering Jalgaon is a premier institute in the 'Khandesh' region of Maharashtra established in 1996. Presently the College is an autonomous institute of Govt. of Maharashtra affiliated to Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon and is acting as a renowned educational institute from many years. The institute offers six UG programs in Civil, Mechanical, Electrical, Instrumentation, Computer and E&TC Engineering and also one PG programs in Digital Systems. The Mechanical and Instrumentation department of the institute are accredited by NBA for three years from academic year 2018-2019. The institute is also Accredited by NAAC with grade B+. The institute is the recipient of TEQIP II and recently TEQIP III funding from Govt. of India. The institute is well connected by rail and road to major cities and is on Bhusawal Mumbai rail route. The department of Mechanical, Instrumentation, Electrical, Civil, E&TC Engineering are the approved research centres of the KBC North Maharashtra University, Jalgaon.

Overview of the Course:

CYME offers an extensive line of Power Engineering Software that feature some of the most advanced analysis tools for transmission, distribution and industrial power systems. It comprise a variety of advanced applications and extensive libraries for either transmission/industrial or distribution power network analysis.

PSIM is an Electronic circuit simulation software package, designed specifically for use in power electronics and motor drive simulations but can be used to simulate any electronic circuit. PSIM has several modules that extend its functionality into specific areas of circuit simulation and design including: control theory, electric motors, photovoltaics and wind turbines. Both CYME and PSIM are used by industry for research &

product development and it is used by educational institutions for research and teaching.

Objectives of the Course:

1. To update the participants with the state of the art technologies in CYME and PSIM.
2. To enable the participants to have experiential learning through Hands-on sessions on CYME and PSIM.
3. To enable participants to learn the industrial, real life applications of CYME and PSIM.

Key Topics of the interest :

- CYME & PSIM basics to advance
- Software overview- CYME & PSIM
- Modeling and analysis in CYME
- Voltage sag and Stability Analysis in CYME
- Fault Analysis and Fault locator in CYME
- Load growth, allocation & balancing
- Reports in CYME(Generation and editing)
- Simulations in PSIM Basic Module
- Simulations with PSIM Thermal Module
- Motor drive analysis using PSIM
- Simulation with Renewable sources in PSIM
- Battery management system development in PSIM
- Introduction to Hybrid electrical vehicle design suite
- Simulation with SmartCtrl

Resource Persons:

Faculty from reputed institutions / organizations / industries will deliver theory and hands-on sessions.

Registration is Open to:

This program is open to Faculty members working in **Electrical / Power** Engineering field and Professionals involved in training of engineers / Post-Graduate students and Research scholars aspiring for an academic career in concerned branch.

The numbers of seats are limited (25-30)

Accommodation:

The participants have to make their own arrangement for stay during the course, however the list of hotel and guidance will be provide by the coordinator.

How to Apply:

Eligible candidates may apply by submitting the scanned copy of the filled in registration form (attached with this mail/ brochure) by Email to

**walmik.g@gmail.com /
deepayavalkar@gmail.com**

on or before 23 Jan 2019 along with the registration fee. The registration fee shall be paid by remitting amount in bank account. The details of which are given in registration form. The digital payment receipt containing the transaction details of online payment should be sent through email.

Registration Fee

Research Scholar: Rs. 1000/-

Faculty Participant: Rs. 1500/-

Industry Participant: Rs. 3000/-

The Registration fee includes training kit, Breakfast, working Lunch, and Tea during training days.

Important Dates:

Last date for Registration: 23 Jan 2019

Intimation of Acceptance by Email: 24 Jan 2019

Address for Correspondence:

Mr. W. A. Gavhane

Mobile: 9423784801

Email: walmik.g@gmail.com

Mrs. D. P. Yavalkar

Mobile: 9168049075

Email: deepayavalkar@gmail.com