

REGISTRATION FORM

FDP on
Design of Experiments for Engineers
February 10 - 15, 2020
College of Engineering Perumon

Name:

Age: Sex: Male / Female

Designation:

Department:

Qualifications:

Experience in Years:

Research Interest:

Address for Communication

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..... Pin Code:

Mobile:

Email:

DECLARATION

The details furnished above are true to the best of my knowledge. If selected, I shall attend the course for the entire duration.

Place: _____
Date: _____ Signature of the Applicant

SPONSORSHIP CERTIFICATE

Certified that Mr./Mrs./Dr.
is an employee of our institution and is hereby sponsored to attend the FDP on **Design of Experiments for Engineers** at College of Engineering Perumon, Kollam from 10 to 15 February, 2020.

Place: _____
Date: _____ Head of the Institution



VISION

Excel in mechanical engineering education and research for overall sustainable development.

MISSION

Impart quality education to nurture globally competent and socially responsible mechanical engineers.

Foster research to address the technological needs that society faces.

ORGANIZING COMMITTEE

Chief Patron

Prof. (Dr.) R. Sasikumar
(Director, CAPE)

Patron

Prof. (Dr.) Z. A. Zoya
(Principal,
College of Engineering Perumon)

Convenor

Prof. (Dr.) Dileepal J.
(HOD - ME)

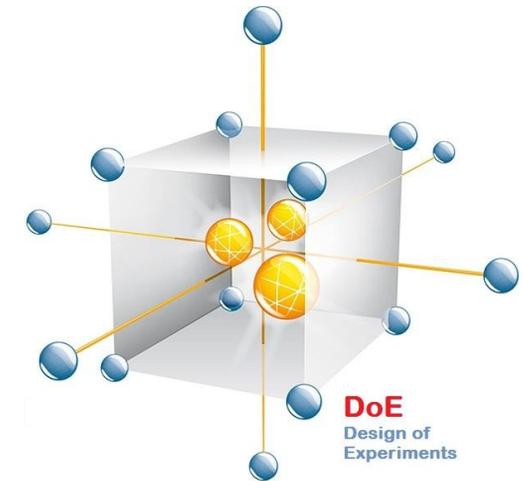
Coordinators

Prof. Shamnad M.
(Assistant Professor in ME)
Mob: 9495805914

Prof. Sony R.
(Assistant Professor in ME)
Mob: 9447865695

FACULTY DEVELOPMENT PROGRAMME ON **DESIGN OF EXPERIMENTS FOR ENGINEERS**

(Sponsored by TEQIP II)



February 10 - 15, 2020



Organized by

**Department of Mechanical Engineering
College of Engineering Perumon**
(Under CAPE, Government of Kerala)
Perinad P. O., Kollam, Kerala - 691601

ABOUT THE INSTITUTE

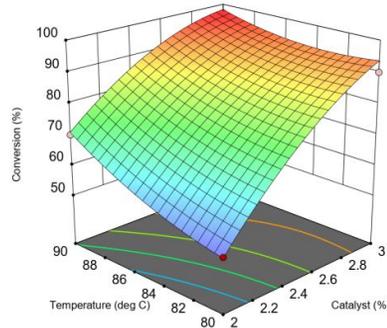
College of Engineering Perumon was established in the year 2000 under the Co-operative Academy of Professional Education (CAPE), Govt. of Kerala. The college has registered speedy progress since then and it offers five undergraduate programmes (ME, EEE, ECE, CSE, and IT) and a postgraduate programme (CSE) in affiliation with APJ Abdul Kalam Technological University (KTU). The college has attained ISO 9001:2015 certification and two undergraduate programmes (EEE and ECE) got accredited by NBA. The college has a distinctive academic stature in the arena of engineering institutions in the state.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in the year 2011 offering B.Tech programme in Mechanical Engineering. Highly qualified and experienced faculty and well equipped laboratories have helped to mould engineering graduates of high caliber who excel in academics and industry.

ABOUT THE PROGRAMME

A scientific approach towards planning and executing a set of experiments is a prerequisite for faster and effective knowledge acquisition in engineering research. A statistically designed experiment may provide a great deal of information about the effect on a response variable due to one or more factors. Design of experiments (DoE) helps to pinpoint the sensitive areas in designs and to reduce the cost and effort of experimentation to a great extent.



The FDP aims to introduce the participants to these DoE techniques and provide them with hands-on experience, enabling them to apply the techniques in their respective fields. This FDP may help to establish new collaborations with academia & industry and to explore both sides of challenges and opportunities in the respective fields.

TOPICS

- Statistical aspects of DoE
- ANOVA
- Factorial experiments
- Fractional factorial experiments
- Taguchi methods
- Multiple regression models
- Response surface methodology
- Grey relational analysis

RESOURCE PERSONS

Faculty will be drawn from reputed educational institutions in Kerala.

INTENDED AUDIENCE

This course is intended for faculty members from engineering & polytechnic colleges in all disciplines and industrial professionals.

REGISTRATION FEE

Faculty members: Rs. 750

Industrial professionals: Rs.1500

Registration fee includes course kit, working lunch and refreshments. Payment can be made directly at the time of registration.

TRAVEL AND ACCOMMODATION

No TA / DA will be paid to the participants. However accommodation will be provided on payment basis.

HOW TO APPLY

The registration form and sponsorship certificate duly filled and signed by Head of the Institution in the prescribed format should be sent via email (me.ceperumon@gmail.com) on or before 03/02/2020. Selected candidates will be intimated through email. The applicants shall confirm their participation on or before 04/02/2020. Hardcopy of registration form and sponsorship certificate should be produced at the college at the time of registration.

ROUTE MAP

