

GUJCOST Sponsored
Two-day Workshop
on
'Design of Experiment & Artificial Neural Network'
12- 13 March, 2020

Organized by
Department of Chemical Engineering
Chhotubhai Gopalbhai Patel Institute of Technology,
Uka Tarsadia University, Bardoli



About Workshop

Design of Experiments (DOE) is a majorly used statistical tool for various types of system, process and product design, development and optimization. It finds its application in areas such as design for comparison, variable screening, transfer function identification, optimization and robust design. DOE basically deals with planning, performing and analyzing the experiments to find a factor which can control the value of a group of parameters. DOE simply helps in carrying out the experiment in well planned manner and to analyze the effect on a response variable due to one or more parameters which in turn helps the designers to fix or eliminate the potential threats hindering the high yield process. Taguchi method basically focuses on the sensitivity of response variables to control parameters with an intention to optimize the value of control parameters. They are mainly known for their application in optimization of process parameters. Artificial Neural Network (ANN) is a computational model based on the structure and functions of biological neural networks which consist of several processing elements which can operate in parallel to achieve, store and use experimental knowledge. ANN is also considered as a nonlinear statistical data modeling tool used for modeling or finding the relationship between the inputs and outputs in a much simpler way.

About Institute

The Bardoli Pradesh Kelavani Mandal (BPKM) is an education trust established in 1960 with the aim of imparting of higher education opportunities in and around the rural area. BPKM has started a self-financed engineering college named as Chhotubhai Gopalbhai Patel Institute of Technology (CGPIT) under the roof of Uka Tarsadia University (UTU) in the year 2009 with the view of educating and training future professionals to lead in today's competitive environment and to meet the needs of globalization and industrialism by providing dynamic and conducive learning environment. CGPIT offers B.Tech. programmes in disciplines like Electronics & Communication, Electrical, Civil, Computer, Information Technology, Mechanical, Automobile and Chemical Engineering. CGPIT also offers M.Tech programmes in disciplines like Electronics & Communication, Civil, Computer, Information Technology and Mechanical Engineering. Ph.D. programmes are also carried out by CGPIT in the disciplines like Electronics & Communication, Civil, Computer, and Mechanical Engineering.

About Department

Department of Chemical Engineering was established in the year 2015. The department started with a 4 Year Graduate Program in Chemical Engineering with an objective to

prepare students for professional practice, graduate study, lifelong learning and to learn novel scientific and technological concepts used for chemical engineering practice. The department has qualified faculty members engaged in teaching with the aim of achieving excellence in various fields. Chemical Engineering Department is committed to achieve excellence and evaluates success using the highest standards of quality, innovation, and visibility, while at the same time providing a friendly and supportive atmosphere.

Chief Patron

Dr. D. R. Shah, Provost, UTU

Patron

Dr. Rajkumar Patil, Director, CGPIT

Convener

Mr. Susmit Ilame, Assistant professor, HOD

Organizing Secretaries

Mr. Shrinivas Mundkar, Assistant Professor

Mr. Manu Saji Samuel, Assistant Professor

Ms. Parvathy S Chandran, Assistant Professor

Co- Coordinators

Mr. Jitendra Kumar, Assistant Professor

Mr. Bhagwan Parihar, Assistant Professor

Mr. Sunil Valand, Assistant Professor

Ms. Shalinee Gupta, Assistant Professor

Dr. Ghanshyam Barman, Assistant Professor

Who can apply?

U.G. and P.G. Students, Academicians, Research Scholars and Industrial persons.

How to register?

Interested participants may register by sending the completed and duly signed 'Registration Form' through email on or before **09/03/2020**.

Registration fee

Student (UG, PG, Scholar): Rs 150/-
Faculty & Industrial Person: 200/-

Accommodation

Suitably furnished accommodation will be provided, if requested in advance, in the hostels/guest houses inside the campus on nominal payment and twin sharing basis for out stationed candidates.

Address for Communication

Mr. Shrinivas Mundkar

E-mail: shrinivas.mundkar@utu.ac.in

Contact No.: 7041669647

Mr. Manu Saji Samuel

E-mail: manu.samuel@utu.ac.in

Contact No.: 8086469205

REGISTRATION FORM

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Name of Applicant and Address: _____

College: _____

Gender: M/F _____ DOB: _____

Experience: _____

Designation: _____

Mobile: _____

Email: _____

Accommodation required? Yes/No: _____

Address of Sponsoring Authority: _____

PAYMENT DETAILS (In CASH only):

Academia Student Industry

Rs: _____ Date: _____

Signature of the applicant

Signature of Head of the Institution with Seal

The applicant will be permitted to participate in the above program if selected.