REGISTRATION FORM

Name: …………………………………

Designation: …………………………..

Department: ……………………………

Address:

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Email: …………………………………

Mobile: ………………………………

DD No. : ………………………….

Date: …………………….

Bank Name: …………………………..

Signature of the Participant

Dr./Mr./Ms…………………………………is faculty/student of our institute and is here by permitted/sponsored to attend FDP at SMVITM Bantakal, Udupi.

Place:
Date:

Signature of Head of the Department / Institution with seal

Chief Patron

H. H. Shri.VishwavallabhaTheerthaSwamiji,
President, Shri Sode Vadiraja Mutt Education Trust[®]
& Chairman, SMVITM Governing Council.

Patron

Sri P ShrinivasaTantry,
Vice President, SSVMET, Udupi.

Sri Rathnakumar,
Secretary, SSVMET, Udupi.

Chairman

Dr. Thirumaleshwara Bhat,
Principal, SMVITM, Bantakal.

Co- Chairman

Dr. A Ganesha,
Dean (Academics),SMVITM, Bantakal.

Convener

Dr. Sudarshan Rao K
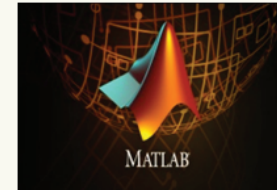Professor & Head, Department of Mechanical Engineering, SMVITM, Bantakal.

Co-ordinators

Mr. Pavan Kumar, Assistant Professor, Department of Mechanical Engineering.

Mr.Ranganath Bhat, Assistant Professor, Department of Mechanical Engineering.

Mr.Ganesh R Kalagi, Assistant Professor, Department of Mechanical Engineering

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Faculty Development Program On Applications of Statistical and Neural Network Techniques in Engineering

6 - 7 June 2016
Under ISTE Faculty Chapter

Organized by

Department of Mechanical Engineering

Shri Madhwa Vadiraja Institute of Technology & Management, Bantakal, Udupi - 574115.

About the Institute

Established in the year 2010 under the aegis of Shri-Sode Vadiraj Mutt Education Trust, Udupi, Shri Madhwa Vadhiraja Institute of Technology and Management (SMVITM) has emerged as promising institution with distinction and has been in the pursuit of academic excellence in the field of engineering education right from its inception. The sole aim of the institute is to promote research activities global standards and quality professional education in engineering and management to rural students at affordable cost and thereby ensuring the up-lift of underprivileged.

Currently more than 1600 students pursuing BE Programs in four major disciplines at SMVITM: Mechanical Engineering, Civil Engineering, Computer Science Engineering and Electronics & Communication Engineering.

About the Department

The Department of Mechanical Engineering at SMVITM started functioning in the year 2010. Academic activities in the department are designed in such a way that intellectual curiosity and creativity of the students is stimulated and a spirit of innovation is instilled in them. Some of the projects taken up by the students of the department have been funded by government funding agencies like KSCST, VGST and selected for state level exhibitions. The R&D Centre established at the department for technology up-gradation of cashew processing equipment co-sponsored by the KCTU, Bangalore has been a special recognition for the department. The department focus on the overall development of every individual by organizing activities such as industrial visits/training, technical and soft skill workshops etc.

About the Program

In the pursuit of knowledge in the field of applied scientific and industrial research, often experiments are carried out. A systematic scientific approach towards planning and executing a set of experiments, collection of appropriate data and analysis thereof are now prerequisites for faster and effective knowledge acquisition. Statistically Designed Experiments, especially when many variables are involved, have the potential to reduce the cost and effort of experimentation to a great extent.

Neural network technique has tremendous potential for the real world problems. It is a problem solving control system methodology that lends itself to implementation in systems ranging from simple embedded micro-controllers to large networked workstation based data acquisition and control system. Neural network approach to control problems mimics how a person would make decisions.

This faculty development program aims to enhance the knowledge towards the design of statistical and neural network tools for real time applications. The FDP will cover basic concepts of Design of experiments, Taguchi analysis, neural network and its applications in various engineering areas. Domain experts will demonstrate tools/software (MINITAB and MATLAB) and provide hands on experiences in many practical applications for better understanding. The FDP will cover basic concepts of Design of Experiments, Taguchi analysis, neural network and its applications in various engineering areas.

Resource persons will be eminent professors from reputed institutions.

Course Content

▶ MATLAB Basics
▶ Construction of models using MATLAB
▶ Applications of MATLAB in FEM
▶ Neural Network Techniques in MATLAB
▶ Design of Experiment
▶ Taguchi Techniques
▶ Grey Relational Analysis
▶ Hands on session on MINITAB and MATLAB

Target Audience

Faculty Members, Post Graduate Students and Research Scholars.

Registration

Intending participants are requested to send the registration form along with a demand draft of Rs. 500/- in favor of "The Principal SMVITM, Bantakal" payable at Udupi, (Hard copy and scan copy) to reach the coordinator via post or e-mail (fdpmech2016@gmail.com) latest by 28th May 2016.

Correspondence Address

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