PROGRAMME COORDINATORS

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REGISTRATION FEE

Participation from Industry   : Rs. 5000/-
Institutional Participants / Faculty Members: Rs. 2000/-
Students and Research Fellows   : Rs. 1000/-
Registration fee will cover study material, lunch and stay in GBU Hostels. Demand draft is to be drawn in favour of "Registrar, Gautam Buddha University" payable at Greater Noida

SCOPE OF STTP

MATLAB® is a high-performance language for technical computing. It integrates computation, visualization, and programming in an easy-to-use environment where problems and solutions are expressed in familiar mathematical notation. MATLAB® features a family of application-specific solutions called toolboxes. Areas in which toolboxes are available include signal processing, control systems, neural networks, fuzzy logic, simulation, and many others. Some of the application areas of the MATLAB and SIMULINK include electromechanical systems and products, control system design/analysis, modeling, simulation and optimization, chemical and industrial process control, signal processing and filtering, test equipment/instrumentation, digital servo systems, Motor and motion control, system identification/parameter estimation and speech Processing.

The course will provide a hands-on learning experience in the basic operation and utilization of MATLAB and Simulink. The time taken by MATLAB to solve these problems is a fraction of the time taken to write a program in scalar non-interactive language such as C or FORTRAN. The course will emphasize on how MATLAB can be useful in programming any engineering problem with much lesser number of commands as compared to C or FORTRAN. The programming platform of MATLAB is highly user friendly. The use of various toolboxes such as SimPower, SimElectronics GA, Optimization, ANN in SIMULINK environment will be covered in detail.


Gautam Buddha University, established by government funding in 511 acres lush green campus at Greater Noida encourages multidimensional growth through its education, training and research. The University envisions becoming a world class centre for excellence in education & research. The academic programmes, designed in line with the best universities around the world, combine the best practices of pedagogy and class room teaching, complemented by practical training and experiential learning. In order to promote value-based education, research and training, the University has established eight schools. To cater the engineering disciplines; School of Engineering, Information & Communication Technology and Architecture & Built Environment offers Post Graduate & Doctoral level studies of the branches of Engineering & Technology including interdisciplinary domains. In terms of infrastructure the University can boost of having world class facility.

Gautam Buddha University
Greater Noida

ANNOUNCES

Short Term Training Programme (STTP)
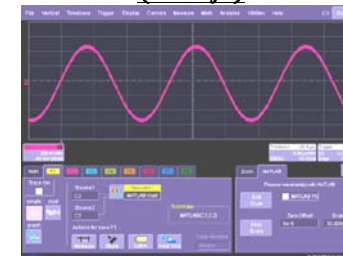
On

MATLAB FUNDAMENTALS & APPLICATIONS

(July 13th – July 15th, 2011)

Organised by

School of Engineering

School of Engineering has been conceptualized and established with an objective to work out and develop a dependable model for growth, consistency and significant breakthrough in cutting edge technology and innovation. The rapid diffusion of core engineering fields like Civil Engineering, Electrical Engineering and Mechanical Engineering has the potential of bringing improvement in productivity and efficiency in almost every aspects of our life and consequently turning out to be a key driver of our economic growth. The school is equipped with state of the art class rooms, resource rich library and is in process of setting up laboratories and research facilities.

COURSE CONTENTS

This course is intended for beginning users and those looking for a review. No prior programming experience or knowledge of MATLAB is assumed, and the course is structured to allow thorough assimilation of ideas through hands-on examples and exercises. MATLAB competency is developed in a natural way, with an emphasis on practical application. Themes of data analysis, visualization, modeling, and programming are explored throughout the course. Topics Include:

MATLAB FUNDAMENTALS: Introduction, Working with the MATLAB User Interface, Variables and Expressions, Analysis and Visualization with Vectors & Matrices, Working with Data Files, Multiple Vector Plots, Logic and Flow Control, Matrix and Image Visualization, Data Analysis, Writing Functions, Troubleshooting Code and Improving Performance, Data Types, File I/O .

MATLAB PROGRAMMING TECHNIQUES: Introduction, Programming for Correctness, Structuring Data.
MATLAB SIMULINK: Introduction, SimPower, SimElectronics.
The course content will be delivered from a pool of experts on the subject from Gautam Buddha University and other academic institutes i.e. IIT's/NIT's & industry.

WHO SHOULD ATTEND?

Faculty of Engineering Degree/Diploma levels, PG students, Research Scholars, Practicing Engineers and Architects & Planners in Government & Industry can benefit from this training programme.

HOW TO REACH AND PLACES OF INTEREST

University is situated on Yammuna Expressway, Greater Noida in the National Capitol Region of New Delhi, India and is very well connected through World Class Roads from New Delhi Airport, Railway Stations and Inter State Bus Terminals by less than an hour's drive. All the historical and contemporary places of interest in the regions are in reach 24x7 from the university.

IMPORTANT DATES

Last date of Registration with Fees: 15th June 2011
Intimation of Confirmation   : 30th June 2011

FOR QUERIES/CONFIRMATION MAIL US :

shvivek@gbu.ac.in, ashu@gbu.ac.in, yogesh@gbu.ac.in

REGISTRATION FORM

MATLAB FUNDAMENTALS & APPLICATIONS

Full Name: _____

Designation: _____

Department: _____

Organisation: _____

Experience (in years) Teaching: _____ Industry: _____

Address of Correspondence: _____
_____
_____

Pin Code: _____   Phone: _____

Mobile No.:_____   E.mail:_____

Registration Category: (Please Tick)
☐   Participants from Industry
☐   Students & Research Scholars
☐   Institutional Participants / Faculty Members

Details of Registration Fee:
Name of Bank & Branch: _____

DD No.:_____ Dated: _____

For Rs._____

(DD should be in favour of "Gautam Buddha University", Payable at Greater Noida)

Date: **Signature of Participant**

The applicant is hereby sponsored and will be permitted to attend the STTP.

Signature and stamp of the Sponsoring Authority

No TA/DA will be paid. Plz. Post your completely filled registration form to Dean, School of Engineering, Gautam Buddha University, Yamuna Expressway, Greater Noida, Gautam Budh Nagar, Uttar Pradesh (India) – 201310.