



Gujarat Technological University Organizes One Day Workshop on “Geometrical Interpretation of Mathematical Concepts” (7th June 2014, Saturday)



INTRODUCTION:

Gujarat Technological University in association with DASS Scientific Research Labs Private Limited (DASS SRL) is going to organize a one day workshop specially to focus on a new system for mathematics Teaching and Demonstration replacing the conventional practices.

ABOUT THE WORKSHOP:

Math is the key subject in every sphere of life. Be it solving complex equations, bargaining, natural phenomenon or simple house hold work, everywhere math plays its essential role. The conventional methods of solving problems involve high end calculations and complex concepts. Many times without understanding the actual problem, we follow and apply the mathematical concepts mechanically.

This workshop is meant to help participants and professionals to visualize few important mathematical concepts, so that they can correlate these into any other form and develop a quick understanding of a problem and instantly find a method for its solution logically. The workshop provides few tricks that will help to analyze a problem without any complexity.

KEY DELIVERABLES:

- Briefly review Math definitions
- Looking Mathematical problems through Lines
- Controlling every point in Space through Matrix Manipulation
- Understanding geometry through parallel and intersecting Lines
- Projection geometry through Homogeneous planes
- Solving Linear algebraic problems
- Exploring line characteristics through Calculus
- Vector Algebra
- Complex Analysis
- Statistics, Probability
- After attending the course, the participants will be able to solve their problems without depending solely on conventional methods.

ABOUT THE SPEAKER:

Mr. Chanchal Dass, FIE

- A fellow of Institution of Engineers (Mechanical Engineering)
- Post Graduate Diploma in “Operations Research”
- Masters of Business Administration in Financial Management
- Worked in a position of Development Strategy Executive in ONGC for 22 years as Reservoir Engineer.

- Inventor of Multiple Zone Well Completion Technology and Electronic Contract Bridge Game and New system for Mathematics Teaching and Demonstration..
- Life Member of Indian Mathematical Society, Society of Petroleum Engineers (SPE) and Society of Petroleum Geophysicists (SPG).
- Published and presented numerous papers and attended various National and International Conferences, forums and Seminars.
- Managing Director, Dass SRL and Dass OTPL

WORKSHOP SCHEDULE:

One Day workshop Module would consist of:

- Introduction to Math,
- Algebra, variable, parameter, constant, point and Line Concepts,
- Matrices and Transformation Basics,
- Linear Algebra and Vector Mathematics,
- Calculus, Differentiation, Integration and Differential Equations.
- Probability and Statistics
(Only concepts will be presented)

Timings: - From morning 10:00am to 6:00 pm followed by lunch and high tea breaks.

PARTICIPANT'S ELIGIBILITY

Faculty of Mathematics and students of ME/PhD working on mathematical modeling from GTU affiliated Engineering colleges.

(Seats are limited for **35** participants only on first come first serve basis and **laptops are mandatory to bring.**)

As this workshop is meant for developing new ways of application based teaching of Mathematics which could be further used for GTU's e-learning initiative ALVCOM(Live Video Lectures), it is highly recommended that only those faculty / students, who possess willingness to contribute should attend this workshop.

HOW TO REGISTER?

Send Registration form by online submission using below mentioned link on or before **31st May 2014, Saturday.**

https://docs.google.com/forms/d/1Mlw491SvJdAbI4mIp_g0myibx-ywWIJt-3oKtEwj_w8/viewform

VENUE

A1 Oval shaped Conference Hall, Gujarat Technological University
Nr. Vishwakarma Government Engineering College , Nr. Visat Three Roads, Visat - Gandhinagar
Highway, Chandkheda, Ahmedabad – 382424 - Gujarat