



Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar

Three Day CEP Workshop on “Geometrical Interpretation of Mathematical Concepts”

(8th, 9th, 10th January 2016)

Introduction: Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar, in association with DASS Scientific Research Labs Private Limited (DASS SRL) is going to organize a three day workshop specially to focus on a new system for mathematics Teaching and Demonstration replacing the conventional practices.

About the workshop: 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.

About the speakers:

- Mr. Chanchal Dass, is a fellow of Institution of Engineers (Mechanical Engineering) (FIE) and has done his Post Graduate Diploma in “Operations Research and Masters of Business Administration in Financial Management. He has over 22 years of experience as Reservoir Engineer with ONGC. He is the inventor of Multiple Zone Well Completion Technology and Electronic Contract Bridge Game and New system for Mathematics Teaching and Demonstration. He is the recipient of the World Oil Award in the “Innovative Thinker” Category. He is also the Managing Director, Dass SRL and Dass OTPL. He has published and presented numerous papers and attended various National and International Conferences, forums and Seminar. He is also a life Member of Indian Mathematical Society, Society of Petroleum Engineers (SPE) and Society of Petroleum Geophysicists (SPG).
- Prof. Asim Banerjee is a PhD from IIT Bombay in the area of Bio-medical Image Processing and has over a decade of industry experience before he joined DAIICT, Gandhinagar as a faculty member in 2002. His research interests include Signal Processing, Image Processing, Bio-medical engineering, Software Engineering and Education. He is a Senior Member of IEEE. He has been collaborating with Mr. Dass in developing pedagogic approaches for teaching Mathematical Concepts.

Session Breakup:

Day 1 (January 8, 2016 Friday)

- 10:00 a.m. - 11:30 a.m. Brainstorm: Math is Not Hard
- 11:30 a.m. - 11:45 a.m. Tea/Coffee Break
- 11:45 a.m. - 01:00 p.m. Evolution of Mathematics
- 01:00 p.m. - 02:00 p.m. Lunch Break
- 02:00 p.m. - 03:30 p.m. Mathematics Through Points and Lines
- 03:30 p.m. - 03:45 p.m. Tea/Coffee Break
- 03:45 p.m. - 05:30 p.m. Drawing Points, Lines, Planes in MS Excel

Day 2 (January 9, 2016, Saturday)

- 10:00 a.m. - 11:30 a.m. Characteristics of curved lines
- 11:30 a.m. - 11:45 a.m. Tea/Coffee Break
- 11:45 a.m. - 01:00 p.m. Exploring Dynamic World through Matrices
- 01:00 p.m. - 02:00 p.m. Lunch Break
- 02:00 p.m. - 03:30 p.m. Three Dimensional Transformations
- 03:30 p.m. - 03:45 p.m. Tea/Coffee Break
- 03:45 p.m. - 05:30 p.m. Homogeneous Coordinate System

Day 3 (January 10, 2016 Sunday)

- 10:00 a.m. - 11:30 a.m. Victory over Vectors
- 11:30 a.m. - 11:45 a.m. Tea/Coffee Break
- 11:45 a.m. - 01:00 p.m. Simplifying Complex Algebra
- 01:00 p.m. - 02:00 p.m. Lunch Break
- 02:00 p.m. - 03:30 p.m. Calculating the Calculus
- 03:30 p.m. - 03:45 p.m. Tea/Coffee Break
- 03:45 p.m. - 05:30 p.m. Q&A Session / Feedback

How to register?

Send Registration form by online submission using below mentioned link on or before **5/01/2016**.

[Click here for registration](#)

Registration Fee:

Registration Fee is to be paid by a Demand Draft or Pay Order drawn in favour of **DA-IICT** payable at **Ahmedabad** .

S. No.	Category	Individual Registration Amount (₹)
1.	Student*	3000/-

***NOTE: Students registering in pairs will be able to register by paying ₹. 5000/- (rupees five thousand only) per pair.**

Venue:

CEP Building, DA-IICT, Gandhinagar, Near Indroda Circle, Behind Infocity, Gujarat-382007.

Feedback from earlier participants of the workshop:

1. It was very exciting discussing about those dimensions of mathematics which were never into our awareness. Learnt a lot on how to think something different about a thing/topic which seems really obvious. Overall it was really amazing! Excited for the further sessions!!
2. The best part of this workshop is the use of Excel to solve problems. We have never gone through this aspect of mathematics. Learnt a lot of new things and so it was great.
3. Designing our own clock in MS Excel was great fun! It was very interesting to explore the multiple usages of excel. In short it was lots of maths with lots of fun!
4. Very interesting and innovative. Good discussion there and so concepts get clearer. Overall its wonderful.
5. Had great fun working with matrix and really enjoyed interacting with each other. It is really useful and very happy to be a part of it.
6. Superb, enjoyed a lot and had a great fun, enjoying the workshop. It will really help me to excel in my future life.