

Geometry Based Mathematics Teaching

3D Simplified Mathematics



Two Day Mathematics Workshop on Geometrical Interpretation of Mathematical Concepts

Timing	10:00 Hrs. to 17:00 Hrs.
Venue	The Institution of Engineers (India), Maharashtra State Centre, 15, Haji Ali Park, K.Khadye Marg, Mahalakshmi, Mumbai- 400034
Dates	19 th and 20 th January 2019
Target Audience	Students above 15 years, Academic Faculties, Practicing Professionals, Parents of Growing Child
Fees	Rs-3000/-
Requirement	Participants should bring their laptop with MS Excel preloaded (<i>Compulsory</i>)
Registration	Mathematics Workshop Registration link: http://bit.ly/MathWrokshopRegistration
Contact	Er Chanchal Dass, FIE, Mobile: 8320172787/ 9427030155 Email: cclass01@gmail.com www.dasssrl.com

Key features

- Briefly review Evolution of Mathematics
- Looking Mathematical problems through
- Geometry Capturing world dynamism through simulation
- Modeling and animation of 2D and 3D objects in MS EXCEL
- Projection Geometry and Homogeneous coordinates

About Mathematics Workshop

If innovation is fundamental to the future growth, it is time to broaden the skill, education and human capacity to make science and our teachings meaningful to the society. Learning Mathematics in a simple way is a key step in this direction. A majority of students, researchers and even faculties do not fully appreciate mathematics because of the conventional abstract way this subject has been taught to them in schools, colleges and Universities since decades. Dass Scientific Research Labs Private Limited is a startup company engaged in fundamental research in making advanced mathematical concepts simple and promote these simplified mathematical concepts through their pedagogy short duration mathematics workshops and online mentoring of mathematics. At the end of the Workshop, the participants must be able to appreciate the reasons and necessity for learning higher mathematics, must get rid of opaque abstractness, and would be able to model, visualize and animate mathematical concepts.

- Feel and Realize Mathematics is easy,
- Get confidence to solve any mathematical problem,
- Strengthen foundation through clear understanding of fundamentals.

About the speaker Er. Chanchal Dass, FIE

Mr. Chanchal Dass, is a Fellow of Institution of Engineers (Mechanical Engineering), and Member of Indian Mathematical Society, London Mathematical Society, American Mathematical Society, Society of Petroleum Engineers (SPE) and Society of Petroleum Geophysicists (SPG). He has published and presented numerous papers and attended various National and International Conferences, Forums and Seminars. He has invented three game changing technologies-first one is an innovative oil production technology, the second one is contract bridge tournament app and the third one is geometry-based mathematics teaching technique. He has conducted series of Mathematics Workshops for Professionals, University Faculties and Students from Class IX to Post-Doctoral Levels. He is Managing Director of Dass SRL and Dass OTPL and is recipient of World Oil Award in the "Innovative Thinker" Category.

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World Leader in Simplifying Mathematical Concepts

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Institutes where we have conducted Workshop

1. National Institute of Oceanography, Goa, for research scholars,
 2. Gujarat Technological University, Gujarat, for engineering college faculties as well as students (Around 20 Math Workshops),
 3. Sahajanand Laser Technologies Limited, Gujarat, for practicing professionals,
 4. Dhirubhai Ambani Institute of Information and communication Technology, Gujarat (3 Workshops) for Higher Secondary, B Tech, M Tech and Ph D Students
 5. Sri Padmavati Mahila Mahavidyalaya, Tirupati for B Sc and M Sc (Math) Students
 6. Ganpat University, Gujarat for B Sc (Math) and M Sc (Math) students
 7. eInfochips Training and Research Academy, Gujarat, for M Tech students
 8. Silver Oak College, Gujarat for Engineering Students and Faculties
 9. Venus International College, Gujarat for B Tech students
 10. Gujarat University, Gujarat for Engineering College Faculties from Universities (RUSA sponsored workshop)
 11. Indian Institute of Technology, Gandhinagar, for Ph D (Math) Students
 12. Shri Swaminarayan Institute of Technology, Gandhinagar, for B Tech and M Sc Students
 13. Kadi Sarva Vishwavidyalaya, Gandhinagar, B Sc, M Sc Students and University Faculties
 14. Parul University, Vadodara, for University Mathematics Faculties
 15. Pandit Deendayal Petroleum University, Gandhinagar, for MBA students.
 16. St Xavier's College, Ahmedabad for B Sc and M Sc (Math) Students
 17. University of Dhaka for PG students and Scientists
 18. Rayat Bahra University, Punjab, for Faculties
 19. Chandigarh University, Punjab, for Faculties
 20. Hotel Grande Delmon, Goa, for Class ten to doctoral students and faculties
 21. I K Gujral Punjab Technical University, Punjab, for Faculties
 22. Central University of Kashmir, Srinagar, for B Sc and M Sc math students
 23. University of Kashmir, Srinagar, for Research Scholars and Mathematics Faculties.
 24. State Council for Educational Research and Training, Government of Goa, for school teachers
 25. Institution of Engineers, Mumbai, for students, faculties, industry professional
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What people say about the workshop

Learned a lot of new & very surprising facts & Skill, It will also help me in teaching.

I have been doing graphics (engineering drawing, projection, section and intersection of solids) using programming since 1988 (derived the geometry and wrote the code in GWBASIC) I continue to use geometry to deliver concept at a deeper, intuitive level using CAD and coding. Thank you for initiating me in Excel! I will combine coding and its graphics capability to explore further.

Ujjwal Rane, IITM Alumni, Engineering consultant

Excellent presentation. I have learnt new ideas which can be taught to my students.

Excellent programme. The knowledge obtained, apart from being interesting in itself, will also help me in explaining concepts in maths and physics to my students.

Gopal Menon, IITB Alumni, Tutor with an NGO

I have enjoyed this workshop thoroughly. I got to know about some real life applications of mathematics..thank you

Yashvi Choksi, Student, Kadi University

Nice workshop.i learn many new things in geometry.das sir is very nice person.

Patel Bhaktikumari Vallabhbai, Assistant professor, SSIT

I am study in ldrp...I learn use of excel in workshop. ...nd I really enjoy with chanchal das sir...

Patel vaishaliben kiritbhai, Assistant professor, SSIT

Sir, it was awesome the two days which we spent with excel, with maths, with you.....it was worth knowing...

Barbhaya Niraj Rajiv, Student, SSIT

I learned how to see things from a different perspective, using very simple tools.

The 2-day workshop had a great impact on me. I didn't know that MS Excel could be used for a variety of mathematical operations, as demonstrated by Mr. Dass. More importantly, Mr. Dass successfully demonstrated that visualisation can be achieved for almost all the usual problems encountered while studying basic mathematics (linear algebra, calculus, trigonometry, etc.) . Visualisation is indeed helpful as it 'converts' abstract mathematical formulae and theorems into tangible results. I am very very grateful to Mr. Dass for sharing his wealth of knowledge with us. I think this workshop will greatly help me in my academic endeavours and also in life. Thank you very much, Mr. Dass!

Joshi Purva Chandrashekhar, Student, IISER, Pune

Very nice initiative, perfect to fix the foundation for engineers and mathematics undergraduates...

Partha Patil. Junior Research Fellow, Goa University

Overall good workshop. Learned a lot about geometrical interpretation of Mathematical concepts.

Dr Shakeel Ahmed, Asst. Professor, Kashmir University
