



Venture Center  
100, NCL Innovation Park  
Dr. Homi Bhabha Road, Pune –411008  
Email: [eventsdesk@venturecenter.co.in](mailto:eventsdesk@venturecenter.co.in)  
Phone: +91-20250934

### Educational Workshop Series

## 1 - day 'Joymetry workshop' for Teachers

- Organized by Venture Center -

<b>LEARN</b>	Teaching technique based on 'active learning technique', includes a. Art of solving geometry problem? b. How to break geometry diagram? c. How to deduce proper conclusion? d. How to apply right theorem? Also includes, techniques to make teaching more effective a. Origami based geometry b. Alphabets based geometry c. Geometry in real life
<b>FOR WHOM</b>	Teachers who want to improve geometry teaching technique by 'active learning method'
<b>WHEN</b>	28 July 2012- (Saturday) 10 am to 5 pm
<b>WHERE</b>	E-Class Room, Venture Center (Entrepreneurship Development Centre) 100, NCL Innovation Park, National Chemical Laboratory Campus Dr. Homi Bhabha Road, Pashan Road, Pune-411008
<b>CONTACT</b>	Registration and other queries: Miss Lipika Biswas 100 NCL Innovation park, Dr. Homi Bhabha road, Pashan, Pune- 411008 Phone no- 20250934 Email:- eventsdesk@venturecenter.co.in  For more information, visit: <a href="http://www.venturecenter.co.in/workshops/">http://www.venturecenter.co.in/workshops/</a>
<b>FEE</b>	<b>Rs1200/- per participant</b> Limited seats – 35



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## Workshop description and Synopsis

### PURPOSE

The purpose of active learning technique is:

- Teaching method makes students “think about geometry problem’.
- It helps the students to build interest and confidence in learning the subject.
- How to relate geometry theorems in real life.
- Joymetry - geometry active learning technique will help students to get out of geometry fear. It develops logical thinking needed to solve geometry problems. It helps teachers to make their teaching more effective

### JOYMETRY KIT

‘Joymetry kit’ contains different techniques developed to make geometry fun.

- Geometry teaching charts = Charts helpful for geometry problem solving.
- Origami based experiments = There is link between paper fold and geometry theorems. The origami lab includes > 10 experiments based on this concept.
- Alphabets and geometry = Link between alphabets and geometry, which helps in actual problem solving
- Real life geometry
- Geometry problem solving

Apart from above, we have written a small booklet which covers real life geometry.

## Target audience

- Teachers who want to improve geometry teaching technique by ‘active learning method’.



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## Schedule

No	Time	Session
Day 1	10 am – 12.30pm	How to introduce theorem, making geometry charts, technique of making students think, and introduction to active learning technique.
	12.30pm – 1.30pm	Lunch Break
	1.30pm- 3.00pm	Origami based geometry
	3.00pm – 3.30pm	Short break
	3.30pm – 5.00pm	Alphabets and geometry, geometry in real life Certificate distribution

## Workshop Includes

- Handouts/material
- Fun experiments and practical sessions.
- Joymetry kit, one notebook, pen
- Certificate of Participation from Venture Centre
- Tea and lunch

## Faculty

The workshop shall be taught by Mr **Rahul Bhivare**

**Profile:** Involved in educational research, applied to for patent in geometry learning instrument. Implemented “geometry lab for high schools. Experience in parallel processing and multicore processor technology. Written/acted in few documentary films, co-editor of magazine ‘Aksharvel’. Involved in social activities through Navdrushti organization.

**Education:** - B.E. (Walchand Engg. College, Sangli), M.E. (College of Engg, Shivajinagar, Pune)

**Experience:** - Worked in companies like nVidia, TCS, Tata Elxsi. Involved in projects related to multimedia development and porting on different DSP multiprocessor platforms.

**Research and previous workshops:** - Developed concept and material of ‘geometry lab for schools’. Conducted independent workshops as well as in schools like DES school, Dadge high school. Conducted workshop in Palghar school, Pune.



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## About the organizers

### About Venture Center

Entrepreneurship Development Center (Venture Center) – a CSIR initiative – is a Section 25 company hosted by the National Chemical Laboratory, Pune. Venture Center strives to nucleate and nurture technology and knowledge-based enterprises by leveraging the scientific and engineering competencies of the institutions in the Pune region in India. The Venture Center is a technology business incubator supported by the Department of Science & Technology's National Science & Technology Entrepreneurship Development Board (DST-NSTEDB). Venture Center's focuses on technology enterprises offering products and services exploiting scientific expertise in the areas of materials, chemicals and biological sciences & engineering. For more information, visit <http://www.venturecenter.co.in>