

## TECHNICAL WORKSHOPS SERIES – 2017

### Activity Club

## Tinkering in a day!..

### Core Instrument Training Program

- Organized by Tinkering Lab, Venture Center -

<b>Potential gains</b>	<ul style="list-style-type: none"> <li>• Make-Learn-Explore the Tinkering Lab</li> <li>• Learn about prototyping related instruments and sharpen the operational skills.</li> <li>• Bring together a peer group of users with interest in developing prototypes and tinkering around.</li> </ul>	
<b>Organized by</b>	<ul style="list-style-type: none"> <li>• Tinkering Lab, Venture Center</li> </ul>	
<b>Supported by</b>	<ul style="list-style-type: none"> <li>• Venture Center</li> </ul>	
<b>For whom</b>	<ul style="list-style-type: none"> <li>• Undergraduate / Post Graduate Students</li> <li>• Hobbyists / Professionals</li> </ul>	
<b>When</b>	<p><b>Training dates currently open for registration:</b>            Saturday, 26 August 2017, Time: 0900 to 1300            Saturday, 23 September 2017, Time: 0900 to 1300            Saturday, 14 October 2017, Time: 0900 to 1300</p>	
<b>Where</b>	Tinkering Lab, 900 NCL Innovation Park, Dr. Homi Bhabha Road, Venture Center, Pune	
<b>Contact</b>	Ms. Lipika Biswas Phone: 91-20-25865877 <a href="mailto:eventsdesk@venturecenter.co.in">eventsdesk@venturecenter.co.in</a>	<b>Technical queries:</b> Ms. Sayali Kothmire 9172232214   <a href="mailto:sayali@web.venturecenter.co.in">sayali@web.venturecenter.co.in</a>
<b>Cost</b>	Cost: Rs 500 /- (Will be adjusted against the Tinkering Lab membership, applicable for participants who opt for Tinkering Lab membership) Register at: <a href="http://bit.ly/2uMrcpk">http://bit.ly/2uMrcpk</a> Seats limited to 20  Note:- <ul style="list-style-type: none"> <li>• Attendance only after confirmation of registration by organizers.</li> <li>• Organizers reserve the right to accept or refuse or delay registrations so to optimize the composition of the group and hence maximize learning for all participants.</li> <li>• Fees paid is not refundable and non transferable under any circumstances.</li> </ul>	

### Introduction

Tinkerer is “**one who enjoys experimenting and trying out different ideas**”. However, this activity needs to be **focused** and should have **purpose, so as to ensure success in generating new ideas and developing solutions**. And through the process of exploration and invention lies the potential for **innovation**. For this to happen, one should know the operations of all the machines/instruments related to prototyping, hence this session...

### Workshop includes



- Workshop includes tea/coffee break
- Membership in mailing list of all participants.
- Demonstrations of handling and operating of equipments in Tinkering Lab
- Tour of the Tinkering Lab and other labs and facilities at Venture Center
- Participation Certificate

### Workshop does not provide

- No ranking or scoring shall be provided. Idea is to encourage analytical and operating skills for using prototyping equipments.
- Lunch is not planned under this workshop

### Schedule

Time	Session title	Coordinators
0900-0930	Registration : 900 Foyer Area	
0930-0945	Welcome to Venture Center Introduction to the Tinkering Lab and the workshop	T lab Team
0945-1030	Demonstration of Prototyping a) 3D Printer b) Laser cutter c) 3D scanner d) PCB fabricator	T lab Team
1030-1130	Optics e) Introduction to Spectroscopy set up f) Absorbance measurement g) Reflectance measurement	T lab Team
1130-1145	Tea/Coffee Break	
1145-1245	Electronics h) Oscilloscopes i) Function generators j) Power supply, Soldering etc.	T lab Team
1245-1300	Q & A and distribution of participation certificates	

About the organizers	
	<p><b>About Tinkering Lab</b>            The Tinkering Lab is a facility developed and managed by Venture Center, NCL Innovation Park, Pune, India. The main aim of the Tinkering Lab is to help inventors and entrepreneurs to build prototypes of their ideas and generally “tinker” around exploring new ideas. The focus is on electronics, instrumentation and optics besides related prototyping and design.</p> <p>For more information about Tinkering Lab:  <a href="http://tinkeringlab.co.in/">http://tinkeringlab.co.in/</a></p>
	<p><b>About Venture Center</b>            Entrepreneurship Development Center (Venture Center) – a CSIR initiative – is a Section 60 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 &amp; Technology’s National Science &amp; Technology Entrepreneurship Development Board (DST-NSTEDB). Venture Center focuses on technology enterprises offering products and services exploiting scientific expertise in the areas of materials, chemicals and biological sciences &amp; engineering.</p> <p>For more information, visit <a href="http://www.venturecenter.co.in/">http://www.venturecenter.co.in/</a></p>