



## Technical Workshops Series – 2020

Tinkering lab Activity Club

### Tinkering in a day!..Core Instrument Training Program

- Organized by Tinkering @ Venture -

<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 (<a href="http://www.tinkeringlab.co.in">www.tinkeringlab.co.in</a>)</li> <li>• Protoshop, Venture Center (<a href="http://www.protoshop.in/">http://www.protoshop.in/</a>)</li> <li>• DST Prayashala, Venture Center (<a href="http://www.venturecenter.co.in/prayashala/">http://www.venturecenter.co.in/prayashala/</a>)</li> </ul>
<b>SUPPORTED BY</b>	<ul style="list-style-type: none"> <li>• Venture Center, Pune</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>	<b>Saturday, 28 March 2020   Time: 9.30am – 1.00pm</b>
<b>EVENT LEAD</b>	Protoshop team, Venture Center
<b>WHERE</b>	300 Protoshop, Venture Center, NCL Innovation Park Dr. Homi Bhabha (Pashan) Road, Pune-411008
<b>CONTACT</b>	<p><b>Technical queries:</b> Ms. Sayali Kothmire   020-2586-5877   <a href="mailto:sayali@web.venturecenter.co.in">sayali@web.venturecenter.co.in</a></p> <p><b>Logistical queries</b> Ms. Lipika Biswas   020-2586-5877   <a href="mailto:eventsdesk@venturecenter.co.in">eventsdesk@venturecenter.co.in</a></p>
<b>COST</b>	<p>Cost: Rs 500 /-</p> <p><b>Register here:</b> <a href="https://forms.gle/J3NymiNamgbXDU9z8">https://forms.gle/J3NymiNamgbXDU9z8</a></p> <p>Note:-</p> <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...**

### Course Outline

- 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	Lead
0930-1000	Registration	Protoshop Team
1000-1015	Welcome to Venture Center Introduction to the Tinkering Lab and the workshop	Protoshop Team
1015 -1245	Demonstration of Prototyping Instruments a) 3D scanner b) 3D Printer c) Laser cutter Hands-on session	Protoshop Team
1245-1300	Feedback & closure	



About the Organizers	
	<p><b>About Protoshop</b></p> <p>Protoshop combines <a href="http://www.tinkeringlab.co.in/">Tinkering lab</a> and <a href="http://www.prayashala.co.in/">Prayashala</a>, which are the prototyping facilities at Venture Center. Protoshop is an initiative of Venture Center (a technology business incubator hosted by CSIR-NCL) with the generous support from in-house funds and the host Institution. It aims at providing services to the Inventors and Entrepreneurs to design and build their prototypes and bringing their ideas into life.</p> <p>For more information about Protoshop: <a href="http://www.protoshop.in/">http://www.protoshop.in/</a></p>
	<p><b>About Tinkering Lab</b></p> <p>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 Prayashala</b></p> <p>The Prayashala is community of Ideators, Entrepreneurs and Imagineers at Venture Center, Pune. More than a makerspace, the Prayashala is all in one innovation center: design, build, test, certify and manufacture your project under one roof.</p> <p>For more information about DST Prayashala: <a href="http://www.venturecenter.co.in/prayashala/">http://www.venturecenter.co.in/prayashala/</a></p>
	<p><b>About Venture Center</b></p> <p>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>