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Mini Workshop Series:

Hands-on Workshop on Prototyping Skills

- Hosted by Social Innovations & Protoshop @ Venture Center -

Gains	<ul style="list-style-type: none"> Learn different manufacturing methods for rapid prototyping Learn different 3D modeling and Simulation software's for quick designing and simulation of the prototype Learn concepts and basic operation of additive and subtractive manufacturing equipment Learn about simple power tools and its operations
Course Coordinator	<ul style="list-style-type: none"> Anjan Kumar, Protoshop, Venture Center
Organized and Hosted by	<ul style="list-style-type: none"> Venture Center Protoshop @ Venture Center Social Innovations @ Venture Center
Supported by	<ul style="list-style-type: none"> Department of Biotechnology Translational Health Science and Technology Institute (THSTI), Faridabad
For whom	<ul style="list-style-type: none"> Budding / aspiring entrepreneurs (Researchers, students, engineers, clinicians etc) Early stage inventive enterprises and science-based startups
When	Friday 27 Oct 2023 Time: 1130 – 1530
Where	<ul style="list-style-type: none"> Workshop will be held in offline mode only Venue @ Venture Center: Lecture Theatre, 900, NCL Innovation Park
Contact	Technical: Anjan Kumar anjan@web.venturecenter.co.in +91-8956457047 Registration & Payment: Vineet Joshi vineet.joshi@venturecenter.co.in +91- 9156465141
Cost and Registration	<p>Registration Fees Rs 500/- (Registration fees will be waived off for Biodesign fellows from THSTI)</p> <p>Registration Process:</p> <ul style="list-style-type: none"> Step 1: Interested participants need to fill in registration form at the following link. Register online at: https://tinyurl.com/EES-2023 Step 2: Payment details will be shared with candidates who successfully complete the verification process. Attendance only on confirmation of payment of registration fees <p>NOTE:</p> <ul style="list-style-type: none"> More details at: https://www.venturecenter.co.in/socialinnovations/events/ REGISTRATIONS AND FINAL PAYMENT DEADLINE Registration closes once 10 seats are full or 4 days prior to the workshop (whichever comes sooner) Fees paid is not refundable and non transferable under any circumstances The organizers reserve the right to accept or refuse or delay registrations so as to optimize the composition of the group and hence maximize learning for all participants

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Introduction

Rapid Prototyping is a quick way of getting your idea into reality by using various methods such as 3D modeling, additive and subtractive manufacturing methods. It is a technique for building a quick and rough version of the desired output. Prototype allows the user to understand the flaws and invent or innovate the new ways of developing a concept to a better functional model.

Terms and Conditions for Participants

- Participants shall arrange their own devices (preferably Laptop/ Tablet) to work on the workshop assignments.
- Participants to arrange for their travel and accommodation
- Attendance is mandatory for all sessions once registration is confirmed.
- No sessions will be repeated if a participant is unable to attend due to any reasons



Program Includes

- Free membership in mailing list to follow-up on program and intimation of relevant events/ funding opportunities from Venture Center
- **E-Certificates will be given to only those candidates who have 100% attendance for all the sessions in the workshop.**


Program Schedule




Time	Session	Faculty
1100 – 1130	Registration and Welcome and introduction to the workshop	Protoshop Team
1130 – 1300	Introduction to Rapid Prototyping and different manufacturing methods used for rapid prototyping	Protoshop Team
1300 – 1400	Lunch Break: Innovation Cafe	
1400 – 1530	Demo on 3D Printer, LASER cutting, VMC machining, Hands on Power tools	Protoshop Team
1530 – 1600	Networking Tea/Coffee @ Innovation Cafe	

Speakers (in alphabetical order of last names)

	<p>Sujaya Ingale</p> <p>Sujaya is working as Head – Scientific Initiatives at Venture Center. She leads and coordinates scientific initiatives and Prototyping Support activities which involve planning for scale up and expansion of scientific facilities and services, creating and managing service efficiency and quality matrices to ensure high standards in services. Sujaya has done her masters in Microbiology and has a total professional experience of 17 years. She heads the quality control department of the ISO 13485 certified Class 7 and Class 8 MedTech Clean room at Venture Center. She is also involved in handling Biotechnology research projects, developing new methods and services.</p>
	<p>Anjan K</p> <p>Anjan is working as a Lead - Product Design & Prototyping in Venture Center. He is a Mechanical Engineer graduate from CMR Institute of Technology, Bengaluru. He is responsible for supporting the startups, innovators, budding entrepreneurs at Venture Center in Product Design and Prototype Development. He has specialization in designing of functional and non-functional prototypes, developing POC's, converting POC to Prototype and end Products, Reverse Engineering and also comes up with strong problem solving skill. He has been actively involved in the development of prototypes majorly in healthcare, renewable energy, biotech, waste-to-value, agro based, etc. He is also responsible for running facilities at Protoshop and also setting up technical and non-technical</p>


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	workshops at Protoshop.
	<p>Adarsh Lodhi</p> <p>Adarsh is working as a Senior Engineer – Product Design and Prototype. He is a Mechanical Engineer with 4 years of industry experience in product design of medical devices. Adarsh lives and breathes design and feels that through good design specialists in different fields can collaborate and create better living conditions for everyone.</p>

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	<p>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.</p> <p>For more information, visit: http://www.venturecenter.co.in/</p>
	<p>Venture Center is committed to Social innovation and entrepreneurship. We actively nucleate and nurture enterprises that focus on solving socially important problems and build sustainable entities (for profit or not-for-profit) to deliver the solutions to society. Focus areas at Venture Center include affordable health and nutrition, empowering farmers, clean energy, sustainable resource utilization, environment and circular economy, water, sanitation, hygiene and any other social sectors that can leverage Venture Center's innovation ecosystem.</p> <p>For more information: http://www.venturecenter.co.in/socialinnovations</p>
	<p>Protoshop combines Tinkering lab and Prayashala, 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: https://www.protoshop.in/</p>

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<p>Funded by</p>  <p>सत्यमेव जयते Department of Biotechnology</p>	<p>The Department of Biotechnology (DBT), Government of India is completely devoted wholly to achieve excellence in the promotion of biotechnology in the country. DBT provides services in the areas of research, infrastructure, generation of human resource, popularization of biotechnology, promotion of industries, creation of centers of excellence, implementation of biosafety guidelines for genetically modified organisms and recombinant DNA products and biotechnology-based programs for societal benefits. Bioinformatics is a major mission to establish an information network for the scientific community, nationally and internationally. DBT's mission include realising full potential of biotechnology, undertake significant investment for generation of products, processes and technologies, enhance efficiency and productivity and cost-effectiveness of agriculture, nutritional security, molecular medicine, environmentally sustainable technologies, scientific and technological empowerment of human resource, a strong infrastructure for research and commercialization, enhance the knowledge base, nurture leads of potential utility, bring bioproducts to the market place, socio-economic development and promote biotech industry.</p> <p>For more information: https://dbtindia.gov.in</p>

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	<p>As a networked organization linking many centers of excellence, THSTI is envisioned as a collective of scientists, engineers and physicians that will effectively enhance the quality of human life through integrating a culture of shared excellence in research, education and translational knowledge with the entrepreneurial spirit to take technologies into the public sphere. In fulfilment of its vision, the THSTI will work with other constituents of the technology cluster at Faridabad such as the Regional Centre for Biotechnology Training, Education and Research (RCB) through long term partnerships. By integrating the fields of medicine, science engineering and technology into translational knowledge and making the resulting biomedical innovations accessible to public health, to improve the health of the most disadvantaged people in India and throughout the world.</p> <p>For more information: https://www.thsti.res.in</p>
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