



2 Days Workshop

Design of Medical Products: Practical Insights and Lessons

- Organized by TATA Trusts PATH Impact Lab (TPIL) and Venture Center -

Purpose	<ul style="list-style-type: none"> This event focuses on helping early stage medical products companies to think through and plan their product design roadmap for functionality, prototyping, manufacturing, regulations, visual appeal and affordability. Introduce audience to various trends, technologies, methodologies, case studies, best practices etc. Provide information and increase awareness on various aspects of product development and validation needing attention. Create or bring together a community with shared interests.
Organized by	<ul style="list-style-type: none"> TATA Trusts PATH Impact Lab (TPIL) , New Delhi, India BIRAC Bio-NEST (Bioincubator) and BIRAC Regional BioInnovation Center (BRBC) at Venture Center NIDHI-CoE at Venture Center
Supported by	<ul style="list-style-type: none"> TATA Trusts PATH Impact Lab (TPIL) Venture Center
For whom	<ul style="list-style-type: none"> Early and Mid-stage Entrepreneurs Startups in the midst of POC and early prototyping
When	Friday-Saturday 23-24 Nov 2018 Time: 9 am – 5.30 pm
Where	Lecture Theatre, Venture Center, 100 NCL Innovation Park, Dr. Homi Bhabha Road, Pashan, Pune-411008
Contact	<p>Technical queries:</p> <ul style="list-style-type: none"> Mugdha Lele 020-25865877/75/76 7410045652 mugdha@venturecenter.co.in Shubham Kesharwani 011 4064 0029 7872376550 skesharwani@path.org <p>Registration queries:</p> <ul style="list-style-type: none"> Lipika 020-25865877/75/76 eventsdesk@venturecenter.co.in
Registration	<p>FREE. Limited seats: 30; First-come-first-serve</p> <p>Prior registration is required. A refundable deposit of Rs 1001/- needs to be paid to Venture Center to reserve your seat.</p> <p>Next steps:</p> <ul style="list-style-type: none"> Register here: http://bit.ly/medproduct Organizers will screen registrations and send invitations to applicants Invited applicants to confirm their participation by paying a refundable deposit <p>Organizers reserve the right to select participants so as to optimize the group for better interaction and ensure benefit to as many startups as possible. Preference for founders and CXO level. Preference for registered companies.</p>



Introduction

This workshop will focus on sharing practical insights in designing medical products. The objective is to help startups in the early stage of product conception, design and development to anticipate various design needs and plan a roadmap for product design.

The workshop also plans to introduce the audience to key design trends, enabling technologies, methods, case studies and best practices. The workshop shall also provide information and increase awareness on various aspects of product development and validation that need early attention of entrepreneurs. The workshop also plans to bring together a community with a shared interest in medical products design.

Key medical product sectors that will find this workshop useful:

- Clinical grade screening, diagnostics, recording instruments
- Recreational/ popular diagnostics, wearables
- Medical devices meant for intervention/ treatments
- Surgical tools and aids
- Assistive devices and disability aids
- Molecular diagnostics
- Topical, surface, open wound products
- Implants
- Medical data and image analytics including those leveraging sensors, IOT, Big Data, Mobile, Cloud, AI, ML, Analytics, clinical decision support etc
- Medical supplies, consumables, hospital equipment etc
- Other medical devices and diagnostics

Key aspects of Design that shall be covered:

- Design for function, performance, quality
- Design for manufacturing and prototyping
- Design for regulations and safety
- Design for visual appeal, user friendliness, packaging
- Design for affordability, appropriateness, reach, sustainability

Workshop includes

- Access to restricted website with online compilation of resources of archival value
- Certificate of Participation issued by Venture Center and PATH
- Breakfast, lunch and Tea at Venture Center cafeteria

***Please note, the participants will have to arrange for their own travel/local transport and accommodation and dinners. For more information and options, you can see <http://www.venturecenter.co.in/puneguide/>**



Schedule

Time (hrs)	Topic and Contents	Venue	Faculty
Day1:			
0830-0900	Registration and breakfast	Foyer area and Cafeteria	
0900-0915	Brief about Venture Center Brief about Impact Labs, PATH	Lecture Theatre	Manisha Premnath Satya Dash
0915-0930	Introduction to the Workshop	Lecture Theatre	Shubham Kesharwani / Priyanka Bajaj Mugdha Lele
0930-1100 (90 min)	Session 1: Design Thinking and Medical Products <ul style="list-style-type: none"> Slot 1 Slot 2 	Lecture Theatre	
1100-1130	Tea break	Foyer area	
1130-1300 (90 min)	Session 2: Design for function, performance, quality <ul style="list-style-type: none"> Slot 3 (Expert insights, lessons, examples) Slot 4 (Case studies, insights in med products) Slot 5 (Startup, innovator case studies) 	Lecture Theatre	
1300-1400	Lunch Break	Cafeteria	
1400-1530 (90 min)	Session 3: Design for manufacturing and prototyping <ul style="list-style-type: none"> Slot 6(Expert insights, lessons, examples) Slot 7(Case studies, insights in med products) Slot 8(Startup, innovator case studies) 	Lecture Theatre	
1530-1600	Tea Break	Foyer area	
1600-1630	Venture Center Tour		
1630-1800 (90 min)	Session 4: Design for regulations, safety <ul style="list-style-type: none"> Slot 9(Expert insights, lessons, examples) Slot 10(Case studies, insights in med products) Slot 11(Startup, innovator case studies) 	Lecture Theatre	
1800-1815			
1815-1945	BRBC Mentor Mixer focused on MedTech Product Design (Startups and Mentors meet-up) BRBC Mentor Mixer	Training Room	
1945-2000			
2000-2130	Networking dinner and get-together	Innovation Café and Exhibition Area	



Day 2:			
0830-0900	Breakfast	Cafeteria	
0900-1030 (90 min)	Session 5: Design for visual appeal, user friendliness, packaging <ul style="list-style-type: none"> Slot 12(Expert insights, lessons, examples) Slot 13(Case studies, insights in med products) Slot 14(Startup, innovator case studies) 	Lecture Theatre	
1030-1100	Tea break	Foyer area	
1100-1230 (90 min)	Session 5: Design for affordability, appropriateness, reach, sustainability <ul style="list-style-type: none"> Slot 15(Expert insights, lessons, examples) Slot 16(Case studies, insights in med products) Slot 17(Startup, innovator case studies) 	Lecture Theatre	
1230-1300	Valedictory and Feedback	Lecture Theatre	Premnath V Satya Dash
1300-1400	Lunch	Cafeteria	

Additional Agenda: Open house session with Venture Center Help Desks for out-station startups operated by Venture Center's resource centers or eco-system partners or experienced incubatees:

Time (hrs)	Topic and Contents	Venue	Faculty
Day 2 1400-1600	Pre-book your meetings with the following Help Desks Help Desk 1: Design (by TBD) Help Desk 2: Intellectual property (by IPFACE: http://www.ipface.org/) Help Desk 3: Planning for regulations (by RIFC: http://rifc.venturecenter.co.in/) Help Desk 4: Prototyping for electronics and IOT (by BMek: https://www.bmek.in/) Help Desk 5: Scientific/prototyping/analytical support at Venture Center (by Scientific & Prototyping Initiatives Team at Venture Center)	Lecture Theatre	Venture Center's resource centers or eco-system partners or experienced incubatees




About the organizers

	<p>About Tata Trusts PATH Impact Labs (TPIL) PATH, in partnership with Social Alpha, has set out on the mission to accelerate new medical technology adoption in public healthcare and to propel affordable healthcare solutions through a range of activities and programs organized under the umbrella of the Tata Trusts PATH Impact Lab (TPIL). TPIL will identify and support MedTech products with a potential to positively impact the healthcare landscape in India and beyond. It will support medtech startups in product development, clinical trial design and implementation, standards and regulatory compliance, risk management and quality control, global certifications, needs analysis, usability study, business model, market dynamics and funding support. For more information, visit: https://www.path.org/</p>
 	<p>About Bio-NEST (Bioincubator), Venture Center The BIRAC Bio-NEST (Bioincubator) at Venture Center aims to nucleate and nurture technology and knowledge-based enterprises leveraging knowledge in the areas of biotechnology (biopharma, agrobiotech, industrial biotech, clean technology), biomedical engineering/devices/ diagnostics, biomass value addition/ renewable fuels/chemicals/materials, bioinformatics, bio/medical services and related disciplines. Created with support from DBT-BIRAC under the Bioincubator Support Scheme. For more information, visit: http://www.bioincubator.venturecenter.co.in/</p>
	<p>About BIRAC Regional Bio-Innovation Center, Venture Center BIRAC Regional Bioinnovation Centre (BRBC) is the third regional centre of BIRAC and is located in Venture Center. BRBC aims to fill up key innovation ecosystem gaps for bio-based industry sectors and thus significantly impact the translation of high quality innovative ideas into viable and sustainable business enterprises. Some key BRBC initiatives are Venture Mentoring Service; Venture Base Camps; Regulatory Information and Facilitation Centre; Bio Incubation Practice School For more information, visit: http://www.brbc.venturecenter.co.in/</p>
	<p>About NIDHI-CoE, Venture Center The National Science and Technology Entrepreneurship Development Board (NSTEDB), Department of Science and Technology, Government of India has awarded Venture Center with the status of a NIDHI-CoE (National Initiative for Developing and Harnessing Innovations — Center of Excellence an umbrella programme conceived by DST). This award is accompanied by a grant of Rs. 50 Cr for 5 year duration to help Venture Center scale-up its activities and demonstrate greater success to accommodate more than 100 startups at any time and to upgrade and add new facilities for supporting science and technology based startups. For more information, visit: http://nidhicoe.venturecenter.co.in/</p>



Supported by

	<p>About PATH PATH is a global organization that works to accelerate health equity by bringing together public institutions, businesses, social enterprises, and investors to solve the world’s most pressing health challenges. With expertise in science, health, economics, technology, advocacy, and dozens of other specialties, PATH develops and scales solutions—including vaccines, drugs, devices, diagnostics, and innovative approaches to strengthening health systems worldwide. For more information, visit: https://www.path.org/</p>
	<p>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 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/</p>
