



## Venture Base Camp on Medtech Ideation

- Organized by BRBC -

Potential gains	This event is a Venture Base Camp (VBC) around Medtech Ideation, structured in the form of:	
	<ul style="list-style-type: none"> <li>1 Day workshop on Ideation and Design Thinking. Focus will be on inventive problem solving and designing technically feasible solutions.</li> </ul>	<ul style="list-style-type: none"> <li>2 day Hackathon (MEDHA) bringing together inter-disciplinary teams (Medical, Design and Engineering) to explore medical device ideation and innovation.</li> <li>Mentoring on IP, Regulatory and Tech Commercialization &amp; Funding opportunities via help desks.</li> </ul>
Organized by	<ul style="list-style-type: none"> <li>BIRAC Regional BioInnovation Center (BRBC) @ Venture Center.</li> <li>Biomedical Engineering and Technology incubation Centre (BETIC) @ IIT Bombay.</li> </ul>	
Supported by	<ul style="list-style-type: none"> <li>IIT Bombay</li> <li>Venture Center, Pune</li> <li>BIRAC</li> <li>College of Engineering Pune (COEP)</li> <li>MIT ADT Pune</li> <li>Symbiosis Pune</li> </ul>	
Facilitated by	<ul style="list-style-type: none"> <li>NIDHI-Centre of Excellence (CoE) at Venture Center supported by Department of Science and Technology, Government of India (<a href="http://nidhicoe.venturecenter.co.in/">http://nidhicoe.venturecenter.co.in/</a>)</li> <li>Prayashala and Tinkering Lab at Venture Center (<a href="http://tinkeringlab.co.in/">http://tinkeringlab.co.in/</a>)</li> </ul>	
Where	Lecture Theatre, Venture Center, 100 NCL Innovation Park, Dr. Homi Bhabha Road, Pashan, Pune – 411008.	
	<b>1 Day Workshop on Ideation &amp; Design Thinking</b>	<b>2 Day Hackathon (MEDHA)</b>
For whom	<ul style="list-style-type: none"> <li>Professionals and Students who intend to explore entrepreneurship</li> <li>Early-stage entrepreneurs and startups</li> </ul>	Working professionals and final year PG/UG students from one of the following domains: <ul style="list-style-type: none"> <li>Medical: Biomedical / Medicine / Physiotherapy</li> <li>Design: Industrial Design / Product Design / Visual Arts</li> <li>Engineering-I: Mechanical / Manufacturing / Materials</li> <li>Engineering-II: Electronics / Instrumentation / Software</li> </ul>
When	Friday   19 July 2019   Time: 9 am to 6 pm	Saturday-Sunday   20-21 July 2019   Time: 8 am (on 20 July) – 6 pm (on 21 July)
Contact	<b>Technical queries:</b> <ul style="list-style-type: none"> <li>Priya Nagraj   020-25865877, 7410045657   <a href="mailto:bioincubator@venturecenter.co.in">bioincubator@venturecenter.co.in</a></li> <li>Mugdha Lele   020-25865877, 7410045652   <a href="mailto:mugdha@venturecenter.co.in">mugdha@venturecenter.co.in</a></li> <li><b>Administrative queries:</b> Lipika Biswas   020-25865877/76   <a href="mailto:eventsdesk@venturecenter.co.in">eventsdesk@venturecenter.co.in</a></li> </ul>	<b>Technical queries:</b> <ul style="list-style-type: none"> <li>Mugdha Lele   020-25865877, 7410045652   <a href="mailto:mugdha@venturecenter.co.in">mugdha@venturecenter.co.in</a></li> <li>Sandeep Anasane   <a href="mailto:ssa.prod@coep.ac.in">ssa.prod@coep.ac.in</a></li> <li><b>Administrative queries:</b> Lipika Biswas   020-25865877/76   <a href="mailto:eventsdesk@venturecenter.co.in">eventsdesk@venturecenter.co.in</a></li> </ul>
Registration Details	<ul style="list-style-type: none"> <li>Limited seats !! Total number of seats: 30</li> <li>No fees, Free registration (Courtesy of BIRAC and BRBC, a 100%</li> </ul>	<ul style="list-style-type: none"> <li>Limited seats!! Total number of seats: 40</li> <li>Fees : ₹ 1000/- (non-refundable)</li> </ul>



	<p>waiver of registration fee)</p> <ul style="list-style-type: none"> <li>• Pre-registration required at: <a href="http://bit.ly/19july-ideation">http://bit.ly/19july-ideation</a></li> </ul> <p>Note:</p> <ul style="list-style-type: none"> <li>• Organizers reserve the right to select participants so as to optimize the group for successful outcome of the venture base camp.</li> <li>• Last date of registration : Saturday, 13<sup>th</sup> July 2019</li> </ul>	<ul style="list-style-type: none"> <li>• Registration Process:             <ul style="list-style-type: none"> <li>➤ Step 1: Interested participants need to fill in registration form at the following link. Register online at: <a href="http://bit.ly/MEDHA2019">http://bit.ly/MEDHA2019</a></li> <li>➤ Step 2: Email invites will be sent post screening of registration details.</li> <li>➤ Step 3: Attendance only on confirmation of payment of registration fee.</li> </ul> </li> </ul> <p>Note:</p> <ul style="list-style-type: none"> <li>• Organizers reserve the right to select participants so as to optimize the group for successful outcome of the venture base camp.</li> <li>• Last date of registration : Tuesday, 25<sup>th</sup> June 2019</li> </ul>
<p><b>Workshop includes</b></p>	<ul style="list-style-type: none"> <li>• Breakfast and lunch</li> <li>• Participation certificate on attendance of all 3 days (19 – 21 July 2019).</li> <li>• Free membership in mailing list to follow-up on workshop and intimation of relevant events/ funding/ opportunities from Venture Center.</li> <li>• One-year free reference membership to Venture Center Library (<a href="http://www.vcenterlibrary.org/">http://www.vcenterlibrary.org/</a>)</li> </ul>	<ul style="list-style-type: none"> <li>• Breakfast, lunch, dinner (20<sup>th</sup> July), Midnight snacks</li> <li>• Participation certificate on attendance of 2 days (20 – 21 July 2019).</li> <li>• Free membership in mailing list to follow-up on workshop and intimation of relevant events/ funding/ opportunities from Venture Center.</li> <li>• One-year free reference membership to Venture Center Library (<a href="http://www.vcenterlibrary.org/">http://www.vcenterlibrary.org/</a>)</li> </ul>
<p><b>Workshop excludes</b></p>	<ul style="list-style-type: none"> <li>• Participants will have to arrange for their own travel, local transport and accommodation and dinners.</li> <li>• For more information on Pune city, travel, transport and stay options, see <a href="http://www.venturecenter.co.in/puneguide/">http://www.venturecenter.co.in/puneguide/</a></li> </ul>	<ul style="list-style-type: none"> <li>• Participants will have to arrange for their own travel, local transport and accommodation and dinners.</li> <li>• For more information on Pune city, travel, transport and stay options, see <a href="http://www.venturecenter.co.in/puneguide/">http://www.venturecenter.co.in/puneguide/</a></li> </ul>



## Introduction

BIRAC Regional BioInnovation Centre (BRBC) is a joint initiative of BIRAC and Venture Center. It focuses on filling up a few key innovations ecosystem gaps in India for biotech/biomed startups specifically relating to mentoring, regulations, fund raising and BioIncubation practice.

Venture Base Camps are high intensity, focused, theme based camps intended to take a startup from point A to point B in their entrepreneurial journey, prior to their execution on key goals of the company.



The focus of this Venture Base Camp

### Day 1 (19 July 2019)

This workshop on “Ideation and Design Thinking” will help the participants to explore the entire process of ideation based on needs identification from real life situations. Focus will be on inventive problem solving and designing technically feasible solutions. Participants will learn about how inventions are conceptualized, the process in solving problems inventively, various methods that are being used to do this etc.

- This workshop will be useful to professionals and students who intend to explore entrepreneurship and early-stage entrepreneurs and startups.

### Day 2 and 3 (20-21 July 2019)

- Medtech Ideation via unmet clinical needs videos, brainstorming sessions, and developing a basic prototype followed by team presentations before a jury panel.
- Top innovators will win a chance for advanced training, mentoring and possible fellowships to convert their basic prototype ideas into products, and start their own companies for commercialization.
- Mentoring Help desks:
  - Intellectual Property
  - Planning for Regulatory
  - Tech Commercialization and Funding opportunities
- This Hackathon will be useful for professionals and final year (UG/PG) students who wish to explore entrepreneurship. A team of four from the following backgrounds will be formed:
  - Medical: Biomedical / Medicine / Physiotherapy
  - Design: Industrial Design / Product Design / Visual Arts
  - Engineering-I: Mechanical / Manufacturing / Materials
  - Engineering-II: Electronics / Instrumentation / Software

\*\* Prerequisites: Bring your own laptops



## Workshop Schedule

Time	Session title	Venue	Session Lead
Day 1: 19 July 2019			
0900 – 0930	Breakfast and Registration	Innovation Cafe	
0930 – 1000	Introduction and Overview to the workshop	Lecture Theatre	V. Premnath
1000 – 1030	Ideation and Design Thinking: Setting the stage	Lecture Theatre	M. V. Shankar
1030 – 1100	Tea break	900, NIP, Foyer area	
1100 – 1300	Session 1	Lecture Theatre	M. V. Shankar
1300-1400	Lunch Break	Innovation Cafe	
1400 – 1530	Session 2	Lecture Theatre	M. V. Shankar
1530 – 1600	Tea break	900, NIP, Foyer area	
1600 – 1730	Way ahead : Building a designing strategy	Lecture Theatre	M. V. Shankar
1730 – 1800	Feedback and Valedictory	Lecture Theatre	V. Premnath



Time	Session title		Venue	Session Lead
<b>Day 2: 20 July 2019</b>				
0800 – 0900	Breakfast		Innovation Cafe	
0900 – 0930	Registration		900, NIP, Foyer area	
0930 – 1030	Introductions and Overview		Lecture Theatre	V. Premnath B. Ravi
1030 – 1100	Tea break		900, NIP, Foyer area	
1100 – 1300	Clinical Problem Videos		Lecture Theatre	Dasmeet Singh
1300-1400	Lunch Break		Innovation Cafe	
1400 – 1600	Team Formation, Problem Selection		Lecture Theatre	All mentors
1600 – 1630	Tea break		900, NIP, Foyer area	
1630 – 1800	Brainstorming, Concept Sketching	Mentoring** Helpdesks	Lecture Theatre (LT) Training Room (TR) E-class Room (ER)	All mentors
1800 – 2000	Prototyping starts (Prototyping kits distributed here)	Mentoring** Helpdesks	LT/TR/ER	All mentors
2000 – 2100	Dinner Break		Innovation Cafe	
2100 onwards	Prototype Fabrication continues...		LT/TR/ER, Protoshop	All mentors
0000	Midnight Snacks		100, NIP, Foyer area	

Time	Session title		Venue	Session Lead
<b>Day 3: 21 July 2019</b>				
0800 – 0900	Breakfast		Innovation Cafe	
0900 – 1000	Presentation Guidelines		Lecture Theatre	B. Ravi
1000 – 1100	Preparation of Slides and Demo Video	Mentoring** Helpdesks	LT/TR/ER	All mentors
1100 – 1300	Refinements and Practice	Mentoring** Helpdesks	LT/TR/ER	All mentors
1300-1400	Lunch Break		Innovation Cafe	
1400 – 1600	Team Presentations		Lecture Theatre	Jury Panel
1600 – 1630	Tea break		900, NIP, Foyer area	
1630 – 1730	Result Declaration and Prizes		Lecture Theatre	B B Ahuja V. Premnath



## \*\*Mentoring Helpdesks

### Day 1: 20 July 2019


1630 – 2000	Intellectual Property	Mentors Room	IPFACE Team: Ashutosh Prachand, Archana Joshi <a href="http://www.ipface.org/">http://www.ipface.org/</a>
	Planning for regulations		RIFC: Navnath Kadam <a href="http://rifc.venturecenter.co.in/">http://rifc.venturecenter.co.in/</a>
	Tech Commercialization and Funding opportunities		Incubation team: Priya Nagraj, Mugdha Lele, Smita Kale, Amruta Gore Funding and Investment team: Shruti Devasthali, Kirtee Wani

### Day 2: 21 July 2019

1000 – 1300	Intellectual Property	Mentors Room	IPFACE Team: Ashutosh Prachand, Archana Joshi <a href="http://www.ipface.org/">http://www.ipface.org/</a>
	Planning for regulations		RIFC: Navnath Kadam <a href="http://rifc.venturecenter.co.in/">http://rifc.venturecenter.co.in/</a>
	Tech Commercialization and Funding opportunities		Incubation team: Priya Nagraj, Mugdha Lele, Smita Kale, Amruta Gore Funding and Investment team: Shruti Devasthali, Kirtee Wani



**Faculty for Ideation and Design Thinking workshop (in order of last names; alphabetical order)**

	<p><b>M. V. Shankar, Vice President- Mahindra &amp; Mahindra</b></p> <p>A technology innovation leader. He is passionate about facilitating technology innovations in India. He excels in mentoring inventors to grow their ideas into innovations. He has 17 years of experience in Corporate R&amp;D and Global Technology Organizations – GE, Dow, Honeywell and Cummins. With his rich experience in visioning future technologies, passion for scouting new technologies for potential business opportunities, Shankar has an excellent track record in Materials Innovation and New Product Development. He is an inventor with numerous granted patents and technical publications. He has managed global cross-functional teams to deliver technologies that are critical to business growth. He is co-Inventor on 10 issued US Patents. Shankar is a Ph.D. from Indian Institute of Science, Bengaluru and has a Management degree from Indian Institute of Management, Bengaluru.</p>
	<p><b>Premnath Venugopalan, Founding Director of Venture Center and Head, NCL Innovations</b></p> <p>Premnath holds a B.Tech from the Indian Institute of Technology - Bombay and a Ph.D. from the Massachusetts Institute of Technology, USA. He has also been a Chevening Technology Enterprise Fellow with the Centre for Scientific Enterprises, London Business School and Cambridge University, UK. He brings with him considerable experience in technology development and commercialization, working with start-up companies (in Cambridge-UK and India) and engaging with large corporations on research and consulting projects as project leader.</p>
	<p><b>Hackathon Mentors to be added shortly</b></p>



## About the Organizers



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.

More on: <http://www.brbc.venturecenter.co.in/>



Biomedical Engineering and Technology incubation Centre (BETiC) at IIT Bombay.

BETiC based at Indian Institute of Technology Bombay is an inter-disciplinary multi-institution initiative for medical device innovation. Established in 2014 with support from the government of Maharashtra, it comprises a network of 11 engineering and medical institutes across the state. The BETiC teams have developed 50 medical devices as of 2019, and licensed 12 of them to startup companies or industry for mass production.

More on: <http://betic.in/>








### Supported by

	<p>IIT Bombay, Powai, Mumbai</p> <p>The Indian Institute of Technology Bombay (IITB) is a public engineering institution located in Powai, Mumbai, India. Since its establishment in 1958, the institute has physically expanded to include more than 584 major buildings with a combined area of more than 2.2 square kilometres. It offers programs like Bachelor of Technology, Four Year Bachelor of Science, Five Year Master of Science, 2 or 3 Year Master of Technology and a few others. It also has a comprehensive graduate program offering doctoral degrees in Science, Technology, Engineering and Mathematics. It currently has a total of 15 academic departments, 20 centres, a school of excellence and four interdisciplinary programs. It also scored the highest on academic and employer reputation, two of the metrics used to compile the list and is widely regarded as one of the best colleges to study in India.</p> <p>More on: <a href="http://www.iitb.ac.in/">http://www.iitb.ac.in/</a></p>
	<p>College of Engineering, Pune.</p> <p>College of Engineering, Pune (COEP) is an autonomous engineering institute Established in 1854, it is one of the oldest engineering colleges in Asia. With permanent affiliation to the Savitribai Phule Pune University, the institute now is an autonomous engineering school from 2003 onwards. COEP is a top-tier Institute in India that boasts a 160 year culture of academic excellence, scientific breakthroughs, and high-tech innovation.</p> <p>More on: <a href="http://www.coep.org.in/">http://www.coep.org.in/</a></p>
	<p>MIT–Art Design and Technology University, Pune</p> <p>MIT-ADT is a state private University which awards undergraduate, postgraduate and doctoral degrees in innovative areas of Art, Design and Technology with special industry focused areas. This University is set up with a vision to develop, build and incorporate multidisciplinary academic programs in innovative fields and develop a research culture.</p> <p>More on: <a href="http://www.mituniversity.edu.in/">http://www.mituniversity.edu.in/</a></p>
	<p>Symbiosis International (Deemed University)</p> <p>Symbiosis is a Deemed University headquartered in Pune. The University has 38 academic institutions spread over ten campuses in Pune, Bengaluru, Noida, Hyderabad, Nashik and Nagpur. The University offers varied and content rich programmes which are industry specific and has multi-disciplinary approach. These programmes are offered through the constituent institutes of the University which are under the aegis of separate discipline. The University offers variety of programs under its eight faculties – law, management, computer studies, health and biological sciences, media and communication, humanities and social sciences, engineering at graduate, postgraduate and research levels.</p> <p>More on: <a href="https://siu.edu.in/">https://siu.edu.in/</a></p>



Facilitated by	
	<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. For more information, visit <a href="http://tinkeringlab.co.in/">http://tinkeringlab.co.in/</a></p>
	<p>The Prayashala is an all-in-one innovation center: design, build, test, certify and manufacture your project under one roof giving access to cutting edge equipment and an impressive array of the latest software, tools, labs, and shops. For more information, visit <a href="http://www.venturecenter.co.in/prayashala/">http://www.venturecenter.co.in/prayashala/</a></p>
	<p>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. NIDHI-COE is catalyzed and supported by NSTEDB Divison, Department of Science and Technology, New Delhi. For more information, visit: <a href="http://nidhicoe.venturecenter.co.in/">http://nidhicoe.venturecenter.co.in/</a></p>