



**Mini-workshop on Innovation FLOW**  
**How to transform your ideas into impactful innovations**  
 Organized by TechEx.in

<b>Gains</b>	<ul style="list-style-type: none"> <li>• Learn the basic concepts of systematic innovation using a TRIZ-based approach Learn to implement a systematic process to:</li> <li>• Create innovative solutions to complex technological problems</li> <li>• Create strategic intellectual property around these innovative solutions</li> <li>• Grow strong technical ideas or breakthrough inventions into successful innovations</li> </ul>
<b>Co-coordinator</b>	<ul style="list-style-type: none"> <li>• Vidula Walimbe, Associate Manager, TechEx.in</li> </ul>
<b>Organized by</b>	<ul style="list-style-type: none"> <li>• TechEx.in, Regional Tech Transfer Office at Venture Center, Pune</li> </ul>
<b>Supported by</b>	<ul style="list-style-type: none"> <li>• National Biopharma Mission (<a href="https://birac.nic.in/nationalbiopharmamission.php">https://birac.nic.in/nationalbiopharmamission.php</a>)</li> <li>• Venture Center, Pune (<a href="http://www.venturecenter.co.in">www.venturecenter.co.in</a>)</li> <li>• BIRAC (<a href="https://birac.nic.in/index.php">https://birac.nic.in/index.php</a>)</li> </ul>
<b>For whom</b>	<ul style="list-style-type: none"> <li>• Individual inventors and technology developers</li> <li>• Technology/innovation managers in government R&amp;D centers and technology start-ups/companies</li> <li>• Students with a strong interest in technology innovations and entrepreneurship</li> </ul>
<b>When</b>	<b>(Saturday) 12 February 2022   Time: 10.00 AM – 12:30 PM</b>
<b>Where</b>	Session will be held on an online platform
<b>Contact</b>	Technical queries: Dr Vidula Walimbe   Email: <a href="mailto:vidula@ipface.org">vidula@ipface.org</a>   +91-9156465146 Registration queries: Ms. Lipika Biswas   Email: <a href="mailto:eventsdesk@venturecenter.co.in">eventsdesk@venturecenter.co.in</a>
<b>Registration</b>	<p><b>Workshop is free.</b> But Registration is mandatory  <b>Limited number of seats</b></p> <p><b>Steps for registration:</b></p> <ul style="list-style-type: none"> <li>• Step 1: Interested participants need to fill in registration form at the following link.  <b>Register online at:</b> <a href="https://tinyurl.com/drshankar-techex">https://tinyurl.com/drshankar-techex</a></li> <li>• Step 2: Organizers reserve the right to select participants so as to maximize learning and networking opportunities for the group.</li> <li>• Step 3: Attendance only on confirmation from organizers.</li> <li>• Sessions will be conducted using online platform. Only selected participants will be allowed to participate.</li> </ul>



### Introduction

The heart of innovation is generating insightful ideas and taking them successfully to the market. The innovation process itself is like a journey where we start by identifying an unmet or unarticulated market need. The innovator translates that unmet need into an innovation opportunity and defines the technical problem to be solved. The innovation evolves on its way through generation of few ideas, proof of concept experimentation and an incubation phase that strengthens the idea. The destination is reached when the idea is developed into a product and delivered to the market.

The mini-workshop is aimed at coaching participants to leverage their empathy and creativity to build innovative solutions. The Innovation FLOW is an award winning and proprietary framework and more than thousand innovators have been trained in the past ten years. Participants will learn powerful innovation tools based on design thinking and systematic problem solving (TRIZ) philosophy.

### Workshop Schedule

Time	Duration	Topic	Lead Speaker
10.00 AM - 10.05 AM	5 mins	Introduction to event	Vidula Walimbe
10.05 AM –12.20 PM	135 mins (2 hours 15 mins)	Innovation FLOW - How to transform your ideas into impactful innovations	Shankar Venugopal
12.20 PM- 12.30 PM	10 mins	Q&A	

### Speaker



Dr Shankar Venugopal  
Vice President,  
Mahindra & Mahindra  
Mahindra Research  
Valley, Chennai

#### Dr. Shankar Venugopal Technology innovation leader

Dr Shankar leads technology innovation for the Automotive & Farm services business (AFS). He heads the intellectual property (Patents) and knowledge management functions. He is also the Dean of the Mahindra Technical Academy.

Dr. Shankar is passionate about developing sustainable urban mobility solutions and his current interests span across electric vehicles, connected vehicles, autonomous vehicles and precision farming. Prior to joining Mahindra & Mahindra, Shankar has held technology innovation leadership roles at GE, Dow, Honeywell and Cummins.

He holds ten international patents and numerous new product innovation awards. He was awarded GE's Edison Inventor Medal early in his career. He has developed a proprietary innovation methodology – Innovation FLOW – and trained 1000 + inventors and innovators. Shankar obtained a Ph.D in Materials Science and a gold medal for the best doctoral thesis from the Indian Institute of Science, Bangalore. He completed his executive management program from the Indian Institute of Management, Bangalore.

Dr. Shankar is an avid reader and is interested in physics, philosophy and psychology. He teaches technology innovation management at premier engineering & management institutes in India & abroad. Shankar was recognized as one of the 50 Innovative leaders at the World Innovation Congress 2020. He is also a TEDx speaker.

Dr Shankar leads the Confederation of Indian Industries (CII)'s Technology, Innovation, Intellectual Property and Thought Leadership initiatives. He is a management committee member of the Society of Automotive Engineers (SAE) and he chairs the committee for Branding and Communication (B&C).



			
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### Organized by

	<p>TechEx.in is a Technology Transfer Hub operated by Venture Center, Pune, India and supported by the National Biopharma Mission, BIRAC (Govt of India). TECHEX.IN aims to help technology developers and technology commercialization entities find each other's, forge partnerships and advance the technology closer to the market in a win-win partnership. In this mission, TECHEX.IN will build upon learning's, methods and experiences of NCL Innovations (department of CSIR-NCL championing innovations), IPFACE (IP Facilitation Center) and Venture Center (technology business incubator).</p> <p>The TechEx.in is based in the western part of India. While its focus is on organizations in Maharashtra, Gujarat and Goa states of India, it welcomes technology developers and technology commercialization entities from any part of the world. For more information please visit: <a href="http://www.techex.in">www.techex.in</a></p>
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### Supported by

	<p>Biotechnology Industry Research &amp; Assistance Council (BIRAC) is a new industry-academia interface and implements its mandate through a wide range of impact initiatives, be it providing access to risk capital through targeted funding, technology transfer, IP management and handholding schemes that help bring innovation excellence to the biotech firms and make them globally competitive.</p> <p>For more information, visit: <a href="http://www.birac.nic.in">www.birac.nic.in</a></p>
	<p>National Biopharma Mission (NBM) is a Mission of the Government of India approved by the Cabinet for implementation in May 2017. The NBM's mission is to make India a hub for design and development of novel, affordable and effective biopharmaceutical products and solutions. The NBM has an allocation of US\$ 250 million and is jointly funded by the Government of India and the World Bank in equal measure. The NBM is officially known as "An Industry-Academia Collaborative Mission of Department of Biotechnology (DBT) for Accelerating Early Development for Biopharmaceuticals". ; Biotechnology Research Assistance Council (BIRAC) is the implementation partner of the Government of India for the Mission.</p> <p>For more information: visit: <a href="https://birac.nic.in/nbm/">https://birac.nic.in/nbm/</a></p>
	<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 &amp; Technology's National Science &amp; 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 &amp; engineering.</p> <p>For more information, visit: <a href="http://www.venturecenter.co.in/">http://www.venturecenter.co.in/</a></p>