

Innovation Catalyst Program

How to take your ideas from academia to market

(From Academia to Industrial Application)

Workshop for Researchers and Faculty

-- Jointly organized by TechEx.in and DES Brijlal Jindal College of Physiotherapy under Innovation Catalyst Program --

Gains	<ul style="list-style-type: none"> • Understand how to convert ideas and take it to the market. • Understand science entrepreneurship and technology commercialization via your institute's tech transfer office • Understand how to plan and execute Industry-academia projects • Case studies of technology transfer and startup creation from academia
Course Coordinator	<ul style="list-style-type: none"> • Dr Kavita Parekh, Assistant Manager, TechEx.in, Venture Center
Organized by	<ul style="list-style-type: none"> • TechEx.in, a Technology Transfer Hub at Venture Center under Innovation Catalyst Program • DES Brijlal Jindal College of Physiotherapy
Supported by	<ul style="list-style-type: none"> • BIRAC (https://birac.nic.in/index.php) • National Biopharma Mission (https://birac.nic.in/nationalbiopharmamission.php) • Venture Center, Pune (www.venturecenter.co.in)
For whom	<ul style="list-style-type: none"> • Academic Inventors • Research Managers • Tech & Innovation Managers • Bioincubator Development Groups Mentors • Incubation Managers
When	<p>Day 1: 13th December 2023 Time: 9:30 AM to 5:30 PM</p> <p>Day 2: 14th December 2023 Time: 9:30 Am to 5:30 PM</p>
Where	100, NCL Innovation Park, Venture Center, Dr Homi Bhabha Road, Pashan, Pune 411007
Contact	<p><u>Queries:</u></p> <p>Dr Kavita Parekh 8956457042 kavita.parekh@venturecenter.co.in</p>
Registration	<p>Limited seats: 25 only</p> <p><u>Registration Process:</u></p> <ul style="list-style-type: none"> • Step 1: Institute will fill in details in the shared spreadsheet • Step 2: Participants shall receive 4-digit OTP for entry to Venture Center Campus. Kindly provide the same to the security.

Introduction

This workshop is a “How to” series of sessions on helping faculty and researchers to take their innovative ideas from academia to market. The sessions will touch upon aspects of faculty-led entrepreneurship via real life examples of specific faculty who have been able to successfully convert their deep tech ideas into specific marketable products and services. Further sessions will cover aspects related to IP protection, technology marketing and raising funds for academicians and will close with insights from a panel of experts on how to plan and implement industry-academia projects. Workshop will conclude with a guided tour of Venture Center, India’s largest Science and Technology Incubator.

Instructions for the participants

Workshop includes:

- Participation Certificate issued by Venture Center
- Course includes tea and lunch at Venture Center
- Free membership in mailing list to follow-up on workshop and intimation of relevant events/ funding/ opportunities from Venture Center.
- Access to all presentations via a restricted website.

Workshop excludes:

- Please note, the participants will have to arrange for their own travel/local transport and accommodation
- Breakfast and dinner is not included in the workshop.

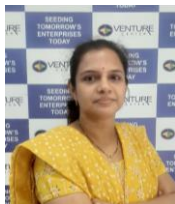
Event Schedule Day 1 : How to win and execute projects with industry

Time	Duration	Topic	Lead Speaker
0930-1100	90 min	Session 1: <ul style="list-style-type: none"> • Introductions. Setting the stage • Case studies Models and examples of industry-academia engagements • Industry perspectives and expectations 	<ul style="list-style-type: none"> • Kavita Parekh • Premnath V • Aravind Chinchure • Pankaj Doshi • Pramod Kumbhar • Vilas Sinkar • S Sivaram
1100-1130	30 min	Networking Tea and Snacks	
1130-1300	90 min	Session 2: <ul style="list-style-type: none"> • How to get started with industry projects? • Writing good proposals for industry projects 	<ul style="list-style-type: none"> • Vilas Sinkar
1300-1400	60 min	Lunch	
1400-1530	90 min	<ul style="list-style-type: none"> • Assignment Solving • Discussion on Assignment 	<ul style="list-style-type: none"> • Vilas Sinkar • Premnath V
1530-1600	30 min	Networking Tea	
1600-1730	90 min	Session 3: <ul style="list-style-type: none"> • Understanding sponsored project agreements • Technology development and advancing it to the market case study 	<ul style="list-style-type: none"> • Premnath V

Event Schedule Day 2 : How to develop technologies and commercializing them

Time	Duration	Topic	Lead Speaker
0930-1100	90 min	Session 4: <ul style="list-style-type: none"> • How to spot an invention • Practical IP strategy for academics 	<ul style="list-style-type: none"> • Srividya Ravi
1100-1130	30 min	Networking Tea and Snacks	
1130-1300	90 min	Session 5: <ul style="list-style-type: none"> • Technology marketing and transfer • Resourcing and funding new ventures/ startups 	<ul style="list-style-type: none"> • Pradnya Aradhye • Soma Chattopadhyay
1300-1400	60 min	Lunch	
1400 -1430	30 min	Tour: Venture Center	Tour leader: Mugdha Lele
1430-1530	60 min	Session 6: <ul style="list-style-type: none"> • Panel discussion: Understanding entrepreneurship from startup founders 	Moderator: Manisha Premnath <ul style="list-style-type: none"> • Prateek Bhalerao • Harshesh Gokani
1530-1600	30 min	Networking Tea	
1600-1700	60 min	Institute focus areas with specific asks from Venture Center (up to 4 presentations)	Venture Center Team
1700-1730	30 min	Workshop closure	

Speakers (in alphabetical order of last names)



Pradnya Aradhye, RTTP
Senior Specialist-Innovation Management, Venture Center

Pradnya is responsible for marketing and establishing Industry connects as part of TechEx.in (Regional Technology Transfer Office) at Venture Center. She is a Registered Technology Transfer Professional (RTTP). Prior to her role in Tech Transfer, she was handling the profile of Bioincubation Manager at Venture Center. She has close to 5 years of experience in Bioincubation. She played a role in setting up BioIncubator at Venture Center. Bioincubation also involved active mentoring of Bio-entrepreneurs. Pradnya has a M.Tech in Biological Sciences and Bioengineering from IIT Kanpur.



Soma Chattopadhyay
Head - Incubation & Mentoring, Venture Center

Soma is currently associated with Venture Center as Head for Incubation and Mentoring. In her present role she is the first point of contact for the innovators, understanding their business and connecting them to the right resources. She is also responsible for the entire incubation process for the start-ups and for any support required during the course of incubation period.



Aravind Chinchure
Innovation Coach, Growth Strategist and IP Specialist

Dr. Aravind Chinchure is a renowned academican, a corporate strategist and an innovation leader. He is an expert in the formulation of corporate and governmental policies that influence innovation and research. He holds a PhD in Physics, and has an experience spanning 25 years in R&D, innovation, intellectual property, startup venture investment, policy, social development and teaching. Dr. Chinchure has worked with many global innovation thought leaders and Nobel laureates on projects of national and regional significance. He credits these associations for shaping his perceptions and expertise around results-driven innovations. He was part of Indian and global research organizations, and large multinational and Indian companies in diverse technology areas, driving innovation in technology as well as leading intellectual property-driven assets creation at workplaces.


He is credited with designing and implementing India's first two-year residential and experiential MBA course on Innovation and Entrepreneurship, at Symbiosis Institute of Business Management (SIBM), Pune. Dr. Chinchure served as the Chair Professor of Innovation and Entrepreneurship at the Symbiosis International University, Pune, India, and currently serving as a CEO of Deshpande Startups.



Pankaj Doshi
Process Modeling Head at Pfizer

Dr. Pankaj Doshi is currently the head of process modeling, formulation and process design in Drug Product Design department in worldwide R&D organization of Pfizer Inc. He has been leading digital process design strategy with the aim of developing digital twins for batch and continuous drug product processes to expedite process development. Pankaj has expertise in scale-up and modeling of pharmaceutical processes and unit operations using computational techniques like CFD, DEM and PBM. He started his industrial career at GSK where he developed computational model for dry powder inhaler. This was followed by an academic stint at National Chemical Laboratory, Pune, where he led the group of graduate students to study and develop model for pharmaceutical processes. He has published 50 papers and delivered over 50 presentations. Pankaj received his BS and MS in chemical engineering from

	<p>Indian Institute of Technology (IIT), Mumbai India, Doctor of Philosophy (Ph.D.) in chemical engineering from Purdue University in 2003, which was followed by a postdoctoral research at Massachusetts Institute of Technology.</p>
	<p>Pramod Kumbhar President and CTO, Praj Matrix - R&D Center, Praj industries Ltd.</p> <p>Dr Pramod is Ph.D. in Chemical Engineering from Institute of Chemical Technology (formerly UDCT), Mumbai. Working with Praj Industries, as President and Chief Technology Officer for last 10 years at Praj Matrix – R&D center leading 90+ scientists and engineers and Focused on driving innovations in biotechnology to make biofuels and bio chemicals. He received UAA-ICT Distinguished alumnus award (Research) for 2020 from UDCT Alumni Association and Institute of Chemical Technology, Mumbai. He also received the VASVIK Award for 2020 in chemical Science and Technology and the Green Chemistry award from IGCW 2019. He is a Fellow of Maharashtra academy of sciences and has received the ICI process development award from Indian Institute of Chemical Engineers. He has 30+ International patents and publications in scientific journals and has received Bronze and silver medals from GE for patent filings.</p>
	<p>Manisha Premnath Chief Operations Officer, Venture Center</p> <p>Manisha is Chief Operations Officer, Venture Center. Dr. Manisha holds a Ph.D in Biotechnology from University of Pune and Post-doctoral training from University of Cambridge, UK. She has been a Chevening Rolls Royce Science, Innovation, Policy and Leadership Programme (CRISP) Fellow at the Said Business School, University of Oxford, UK during 2015 where she had the opportunity to study technology innovation ecosystems. She has research experience in biotechnology, microbiology, fungal biotechnology, molecular biology and molecular virology. She has experience in planning and setting up of advanced scientific facilities and program management.</p>
	<p>Vilas Sinkar Ex-Vice President R&D Unilever</p> <p>Dr Vilas Sinkar retired as Vice President, Unilever Strategic Science and Head of Unilever R&D Bangalore. While working as Vice President at Unilever R&D and earlier positions at Unilever set up several successful scientific collaborations with leading academic groups in India and abroad.</p> <p>He is interested in Industry academia. Currently he is actively working with Academia and various National Science Organizations in developing a roadmap for science and applications of science. He also has been on Research Advisory Councils of some National Labs and Non-Profit Organizations.</p> <p>He completed his B.Sc. & M.Sc. from University of Bombay and MS &Ph.D. from University of Rochester, USA. He did his post doctoral research from Department of Biochemistry at University of Washington, USA</p>
	<p>S Sivaram INSA Senior Scientist and Honorary Professor at <u>Indian Institute of Science Education and Research (IISER), Pune, India</u></p> <p>Dr. S. Sivaram is the ex-Director of NCL and Founder Chairman of Venture Center. He is a polymer chemist by training. His research career spans a wide variety of areas in polymer science including polymer synthesis, new and improved catalysts for polymerization, novel</p>





	<p>processes for monomers and formulated products for specific end applications. After obtaining his master's degree in chemistry at IIT Kanpur in 1967, he moved to Purdue University, Indiana, USA for his PhD, where he associated with Professor Herbert C. Brown, Nobel Laureate. Subsequently, he spent a few years at the Institute of Polymer Science, The University of Akron, Akron, Ohio, USA working with Prof J.P. Kennedy as a Research Associate in the area of polymer chemistry. Before joining NCL in 1988 he was heading the Research Center at Indian Petrochemicals Corporation Ltd. (IPCL), Vadodara.</p> <p>Dr. Sivaram was awarded the Padma Shri by the President of India in 2006. He is an elected Fellow of all the learned academies of science and engineering in India, namely, Indian National Science Academy, New Delhi, Indian Academy of Sciences, Bangalore, National Academy of Sciences, Allahabad and Indian National Academy of Engineering, New Delhi. He is also an elected Fellow of the Academy of Sciences for the Developing World, Trieste, Italy. He has lectured widely around the world and has been Visiting Professor at the University of Bordeaux, France, Free University of Berlin, Germany and as H.A. Morton Distinguished Professor of Polymer Science at the University of Akron, Ohio, USA.</p> <p>He has mentored the Ph.D thesis of 36 graduate students. He has to his credit over 210 publications in peer reviewed scientific journals and is cited as an inventor in over 92 patent applications and 51 granted US patents. He has edited two books and serves on the Editorial Board of several National and International journals in chemistry and polymer science.</p>
	<p>Srividya Ravi Head - Gnanlex Hermeneutics Pvt Ltd, Pune Office</p> <p>Srividya Ravi has been in the field of Intellectual Property Rights (IPRs) for more than fifteen years, after spending about a decade in the pharmaceutical Industry. In the field of pharmaceuticals, she has been in the product development and quality assurance functions. She currently heads the Pune operations of Gnanlex Hermeneutics Pvt Ltd. She was handling a crucial inventor facing role at the CSIR-NCL, Pune amongst other clients, and has experience in handling patents in the fields of chemistry, pharmaceuticals, fine chemicals, food and nutritional products.</p> <p>Srividya has a Doctoral degree in Health Sciences, a Masters in Pharmaceutical Sciences, with a PG Diploma in Patents Law and is a Patent agent. Combining her educational background and rich experience in the pharmaceutical industry with her knowledge and exposure to IPRs, Srividya is a resource person for both pharmaceutical regulatory sciences as well as IPRs. She is a speaker at various workshops, seminars and training sessions at national as well as international levels. She has been involved in the training of Pharmaceutical and Chemical Patent Examiners from various countries such as India, Indonesia, Egypt, Vietnam, Malaysia, African nations, and a few other South Asian as well South American countries. She has also served as a Consultant to the World Health Organization (WHO) to set up their Covid technologies database. She lives in Pune and is contactable at gnanlexpune@gmail.com.</p>



Premnath V

Director, Venture Center | Scientist-Polymer Science & Engineering Division at NCL

Premnath is Scientist-Polymer Science & Engineering Division at NCL and Founder Director, Venture Center (National award winning inventive enterprises and deep tech incubator). Dr Premnath is a technology developer, innovation and incubation manager, startup mentor and a co-founder of 2 medtech startups. One of his inventions -- a breakthrough material for hip and knee joint replacements — has been implanted in more than a million patients worldwide. Another technology for porous maxillo-facial implants has been implanted in thousands of patients in India and abroad. He has provided leadership for teams that have won National awards for technology development, intellectual property management and business incubation. He is chemical engineer and an alumnus of MIT in the US, IIT-Bombay (Distinguished Alumnus, 2022) and has been a Chevening Technology Enterprise Scholar in Cambridge, UK.

Organizing Team (in alphabetical order of last names)	
	<p>Mugdha Lele Head – Social Innovations, Venture Center</p> <p>Mugdha is a Ph.D from School of Health Sciences, University of Pune and has teaching and research experience in a State Government medical university. At Venture Center, she is responsible for driving the Social Innovations and related activities and is responsible for providing technical mentoring for incubatees at Venture Center. Mugdha has been a Fellow of the Chevening Rolls Royce Science, Innovation, Policy and Leadership Programme (CRISP) at the Said Business School, University of Oxford, UK in 2016. In 2018 she has also been part of the Aritra Accelerator Program for Leadership in the Social Sector at IIM Bangalore with Phicus Solutions and Dr. Reddy’s Foundation. She is interested to drive programs which support development of novel technology solutions for impact in the social sector.</p>
	<p>Siddhi Mukhedkar Associate – Outreach and Technology Connects, Venture Center</p> <p>Siddhi is M tech. Biotechnology from Institute of Bioinformatics and Biotechnology, Savitribai Phule Pune University. As part of the TechEx.in team at Venture Center, she is involved in technology scouting and lead generation activities, building industry academia relationships, technology showcases and matchmaking initiatives and various awareness events in the innovation management domain.</p>
	<p>Sharvari Naik Senior Associate – Outreach and Technology Connects, Venture Center</p> <p>Sharvari is M.Sc. Biotechnology from Institute of Bioinformatics and Biotechnology, Savitribai Phule Pune University. As part of the TechEx.in team at Venture Center, she is involved in technology scouting and lead generation activities, building industry academia relationships, technology showcases and matchmaking initiatives and various awareness events in the innovation management domain.</p>
	<p>Kavita Parekh Associate Manager - Technology Connects, Venture Center</p> <p>Kavita is currently Assistant Manager - Technology Connects at Venture Center. She is a doctorate from School of Health Sciences, University of Pune and has teaching and research experience of more than 11 yrs. She has industry experience of working with biomarkers for cancer and her research interests are in molecular diagnostics. At Venture Center, she is responsible for technology marketing and lead generation activities. She also identifies Tech partners in academic and research institutes.</p>

Organized by	
 <p>TechEx.in Tech Transfer Hub at Venture Center Supported by NBM - BIRAC</p>	<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: techex.in</p>
Supported by	
 <p>birac <i>Ignite Innovate Incubate</i></p>	<p>Biotechnology Industry Research & 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: www.birac.nic.in</p>
 <p>nbm NATIONAL BIOPHARMA MISSION <i>innovate in India for inclusiveness (i2)</i></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 : https://birac.nic.in/nbm/</p>
 <p>VENTURE CENTER</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 & 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>