

How to build a startup

(Included with Guided Tour of startup support facility at Venture Center)

Mini workshop For Students and Faculty

-Organized jointly by TechEx.in at Venture Center & Modern College of Arts, Science and Commerce, Shivajinagar-

GAINS	<ul style="list-style-type: none"> How to create early-stage startups Being an entrepreneur: Startup stories How can Venture Center Support the startup's entrepreneurial journeys Guided tour of Venture Center facilities including a demo of two High-end instruments (choice available)
ORGANIZED BY	<ul style="list-style-type: none"> TechEx.in, a Tech transfer hub at Venture Center VC AnalytiX at Venture Center Modern College of Arts, Science and Commerce, Shivajinagar
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	Open to students , researchers and faculty of academic and research institutes who wish to explore entrepreneurship and understand technical details of facilities at Venture Center
WHEN	Date: 23 rd September, 2022 Time: 10.00 am to 12.40 pm
WHERE	Session will be held offline at Venture Center, along with a tour of the campus and its facilities (demo of two High-end instruments included).
CONTACT	<p>Technical queries: Dr Kavita Parekh 8956457042 kavita.parekh@venturecenter.co.in</p> <p>Registration queries: Lipika Biswas Email: eventsdesk@venturecenter.co.in</p>
REGISTRATION	<p>Registration fees of Rs. 15,000/- per event (with discount of 5% subject to terms outlined in Appendix I)</p> <p>Steps for registration:</p> <ul style="list-style-type: none"> Step 1: Registration form link: https://forms.gle/QtjrrwybyzFsD6s29 Step 2: Interested participants need to provide the following details for entry purpose (Name; Email id and Mobile number) Registered participants shall receive a 4 digit code on their registered mobile number and email ID. Use the code to enter the campus. Please do mention that you have come for the workshop incase asked by the security guards. <p>Note:-</p> <ul style="list-style-type: none"> Only registered participants (maximum 25) will be allowed to participate in the event. For more details visit www.techex.in/events

Introduction

The event will help in understanding how to create technology startups from innovative ideas. Startup stories and their journey towards being an entrepreneur will be shared. Most importantly, this workshop includes a guided tour of Venture Centre showcasing ways in which Venture Center can support the startup journeys from ideation to all the way to taking the products to commercialization. The main attraction of the tour is a demo of two High-end instruments at the Venture Center Scientific facilities. Institute has chosen highlighted demos for 2 High-end instruments from the list given below:

1. DSC
2. Confocal Microscope
3. STA 6000
4. Flow Cytometer
5. HPLC
6. Mechanical Test Instrument
7. GC
8. UV- Vis Spectrophotometer
9. MS
10. FT-IR
11. MP-AES
12. Particle Size Analyzer
13. 3-D Printing
14. Laser Cutting

To summarize, from this workshop participants will be able to understand :

- How to convert their innovative ideas into a commercial product or a service by being an entrepreneur
- How they can create a startup and be a founder
- How Venture Center can support their startup journey
- Participants will also get an opportunity to have in-person interaction with some successful startups from the Science Tech Domain and learn from their journeys.
- Experience the scientific facilities offered and see live demos for 2 High-End equipments (Pre-selected during registration process)

Program Includes

- *Attendance certificates for 25 registered attendees from the institute, post filling up the feedback forms.*
- Free membership in mailing list to follow-up on program and intimation of relevant events/ funding opportunities from Venture Center.
- Guided Tour of Venture Center and the various service offerings to support innovators and startups from your institutes.
- Access to all presentations via a restricted website.







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Program Schedule		
Workshop will begin at 10am for morning session or 2.30pm for afternoon session		
Duration	Topic	Lead speaker
5 mins	Welcome and setting the context for the event	Kavita Parekh
55 mins	Nuts and bolts of creating startups: <ul style="list-style-type: none">Essentials of Science and Technology based EntrepreneurshipHow to get startedQ&A	Mugdha Lele
10 mins	How Venture Center can contribute to your startup journey	Mugdha Lele
20 mins	Interaction with a panel of successful Startup Founders working on selected key technology sectors like: Healthcare, Agriculture, Energy and Environment, Waste to Value etc	Preeti Joshi and Sanjay Nene Moderated by Kavita Parekh
10 mins	Networking over Tea/Coffee	
60 mins	<ul style="list-style-type: none">Tour of Venture Center facilitiesLive demos for 2 High-End equipments (Pre-selected during registration process)	<ul style="list-style-type: none">Mugdha LeleEdna Joseph / Sujaya Ingale / Sayali Kothmire

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Founders of Startups (in alphabetical order of their last name) (based on the time and availability of the speaker)		
 Preeti Joshi	 FastSense Diagnostics	<p>Fastsense Diagnostics is focused on developing low-cost high efficiency diagnostics devices for complex diseases such as cancer. Their current focus is to develop a hand-held portable electrochemical diagnostic/screening system for liver cancer.</p>
 Sanjay Nene	 Innovation Biologicals Pvt. Ltd.	<p>Innovation Biologicals main focus has been on fermentation of the bacterium – Haemophilus influenzae B (HIB) – for production of extracellular polysaccharide, which is a major constituent of vaccines such as meningococcal vaccine. They are also focussing on production of Bioethanol and production of HPV vaccine.</p>

Venture Center Team (in alphabetical order of their last name)	
	<p>Soma Chattopadhyay Head - Incubation & Mentoring, Venture Center</p> <p>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.</p>
	<p>Ms. Sujaya Ingale Head – Scientific Initiatives, Venture Center</p> <p>She leads and coordinates scientific initiatives 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 the total professional experience of 17 years. She also heads the quality control department of the MedTech Clean room (ISO 7 and 8) at Venture Center. She is also involved in handling Biotechnology research projects, developing new methods and services. Sujaya has done her Masters in Microbiology and has worked on a research project Microbial biodiversity and its application to identify novel industrially useful enzymes and bioactive metabolites; during her tenure at National Chemical Laboratory, Pune. Sujaya was selected for the Aritra Leadership Accelerator Program by Indian Institute of Management Bangalore, Phicus Solutions and Dr. Reddy's Foundation.</p>
	<p>Edna Joseph Manager- Analytical Services</p> <p>Edna leads the Analytical Services Facility “VC AnalytiX” at Venture Center. She has a Masters in Organic Chemistry (Pune University) and holds a PG Diploma in Patent Law. She also heads the Quality Assurance Unit at the GLP compliant Center for BioPharma Analysis (CBA) at Venture Center. She has demonstrated knowledge and understanding of many analytical instruments (e.g. elemental analysis, thermal analysis, chromatography etc.). She has run and assisted in proof-of-concept projects. Many technical and scientific workshops, especially those with hands-on lab exercises with lab instruments have been conceptualized, planned and organized by her.</p>
	<p>Smita Kale Manager - Bioincubation, Venture Center</p> <p>Smita as part of incubation team, facilitates incubator operations by interacting with incubatees, infrastructure and facilities creation and development of the ecosystem. She is leading Bio-incubation activities, Center for Biopharma Analysis (CBA) and BIRAC's Regional Bioinnovation Center (BRBC) projects at Venture Center. She is actively involved in mentoring startups at Venture Center. She is Ph. D in Pharmaceutical Chemistry from Institute of Chemical Technology, Mumbai and prior to joining Venture Center has had academic experience of 12 years which includes research experience of 3.6 years.</p>
	<p>Sayali Kothmire Coordinator-Protoshop, Venture Center.</p> <p>She is B.E.(Instrumentation & Control Engineer) from University of Pune. She is running current facilities in Tinkering Lab. She operates all the instruments in lab, provides training, Plans & executes setting up & maintenance work in Tinkering Lab also involved in creating, planning and organizing technical and scientific workshops & hands-on lab exercises with Tinkering lab instruments.</p>
	<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>

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	<p>Kavita Parekh Assistant 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>
	<p>Manisha Premnath General Manager and Chief Operations Officer, Venture Center</p> <p>Manisha is General Manager and 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>Premnath V, PhD Director, Venture Center Head, NCL Innovations</p> <p>Premnath is Head, NCL Innovations at CSIR-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.</p>

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	Progressive Education Society's Modern College of Arts, Science and Commerce
	<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 learnings, methods and experiences of NCL Innovations (department of CSIR-NCL championing innovations), IPFACE (IP Facilitation Center) and Venture Center (technology business incubator). 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.</p> <p>For more information please visit: techex.in</p>
	<p>The mission of VC AnalytiX is to set up and operate a world class, efficient and reliable Analytical Services Center as an open access facility at Venture Center. Focus areas included Material science, Chemical synthesis, Biomedical sciences and technology, Chemical & process engineering. VC AnalytiX support start-ups and entrepreneurs with high quality and efficient services, develop and demonstrate capabilities to exploit the full capabilities of the facilities to advance science and technology, develop the facilities further by adding complementary facilities, new capabilities and service offerings, undertake projects that leverage the facility and enhance capabilities and visibility, run workshops and training programs to increase awareness and use of facilities, serve as a nucleus to nurture a community of specialists in related fields.</p> <p>For more information please visit: https://www.venturecenter.co.in/analytical/</p>

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	<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. For more information, visit: https://birac.nic.in/nbm/</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. For more information, visit: www.birac.nic.in</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. For more information, visit: http://www.venturecenter.co.in/</p>

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