



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 desirability (visual appeal, user friendliness, packaging)
- Design for social impact (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	Lecture Theatre and Cafeteria	
0900-0915	Brief about Venture Center and TPIL Introduction to the Workshop	Lecture Theatre	Manisha Premnath and Satya Dash
0915-1115 (120 min)	Session 1: Design Thinking and Medical Products <ul style="list-style-type: none"> Slot 1 (45 min) Slot 2 (45 min) Slot 3 (30 min) 	Lecture Theatre	Manoj Kothari Biten Kathrani D Ponnuswamy
1115-1130	Tea break	Foyer area	
1130-1300 (90 min)	Session 2: Design for function, performance, quality <ul style="list-style-type: none"> Slot 3 : Lessons Learned from C-Arm NPD Global Release (30 min) Slot 4 (30 min) Slot 5 (30 min) 	Lecture Theatre	Sukanta Bhatt Prakash Khanzode Nitin Sisodia
1300-1400	Lunch Break	Cafeteria	
1400-1530 (90 min)	Session 3: Design for manufacturing and prototyping <ul style="list-style-type: none"> Slot 6 (30 min) Slot 7 (30 min) Slot 8 (30 min) 	Lecture Theatre	PVM Rao C Wyawahare Aashutosh Sharma
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 (20 min) Slot 10 (20 min) Slot 11 (25 min) Slot 12 (25 min) 	Lecture Theatre	Rupesh Ghyar A. Savargaonkar Arjun Arunachalam Aditya Ingalthalikar
1800-1815	Tea Break	Foyer area	
1815-1945 (90 min)	BRBC Mentor Mixer focused on MedTech Product Design (Startups and Mentors meet-up) BRBC Mentor Mixer	E-Classroom	
1945-2000			
2000-2130	Networking dinner and get-together	Innovation Café and Exhibition Area	



Day 2:			
0830-0900	Breakfast	Cafeteria	
0900-1015 (75 min)	Session 5: Design for desirability and social impact (Visual appeal, user friendliness, packaging, affordability, appropriateness, reach, sustainability) <ul style="list-style-type: none"> Slot 13 (45 min) Slot 14 (30 min) 	Lecture Theatre	Balakrishna Mahajan Vinayak Nandalike
1015-1045	Tea break	Foyer area	
1045-1215 (90 min)	Session 5: continues... <ul style="list-style-type: none"> Slot 15 : To B or Not to B, that is the question... (30 min) Slot 16 (30 min) Slot 17 (30 min) 	Lecture Theatre	Arun Venkatesan Suresh Nair Nishant Kumar
1215-1245	Valedictory and Feedback	Lecture Theatre	Premnath V Satya Dash
1245-1400	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 1400-1700	Pre-book your meetings with the following Help Desks		
	Help Desk 1: Product Design (http://www.dominix.co/)	Lecture Theatre	Dhruva Paknikar (Dominix)
	Help Desk 2: Intellectual property (by IPFACE: http://www.ipface.org/)	New Park office (900)	Archana Joshi (IPFACE)
	Help Desk 3: Planning for regulations (by RIFC: http://rifc.venturecenter.co.in/)	E-classroom	Navnath Kadam (RIFC)
	Help Desk 4: Prototyping for electronics and IOT (by BMek: https://www.bmek.in/)	Mentors Room	Sanjay Ingale (BMek)
	Help Desk 5: Scientific/prototyping/analytical support at Venture Center (by Scientific & Prototyping Initiatives Team at Venture Center)	Conference Room	Sujaya Ingale and Edna Joseph (Scientific Initiatives team at Venture Center)
	Help Desk 6: Clinical Validation and Social Impact Funding (by TATA Trusts PATH Impact Labs, TPIL: https://www.path.org/)	Training Room	Shubham Kesharwani, Priyanka Bajaj, Satya Dash (TPIL)

Speakers (in alphabetical order of last names)



Arjun Arunachalam

Founder and CEO at Voxelgrids Innovations Private Limited

Arjun is an electrical engineer trained in MRI physics with a post graduation from University of Wisconsin-Madison. Subsequently he has worked at GE Research's MRI lab in New York. He was also Assistant Professor in Electrical Engineering department at IITB. From 2014 onwards he is with Voxelgrids, which is in the business of building next generation, lightweight, compact, portable full body MRI scanners, with initial clinical installations in Bengaluru and few more in the pipeline. Voxelgrids has received support from the Foundation for Innovation and Social Entrepreneurship (Social Alpha), an initiative of the Tata Trusts.



Priyanka Bajaj

Manager – Health & Innovations, Impact Lab at PATH India

Priyanka holds a Ph.D in Microbiology from University of Delhi. Priyanka has been a Principal Investigator under the Science & Engineering Research Board (SERB-NPDF) scheme of Department of Science and Technology (Govt. of India). She has also worked with the University of Delhi South Campus-AMR team to develop a point-of-care diagnostic for detection of antimicrobial resistance in UTI pathogens. The project received "Discovery Award 2016" as part of wider Longitude Prize from NESTA UK and DBT- BIRAC India. She brings with her expertise in molecular biology, microbial pathogenicity, rapid point-of-care diagnostics, and public health.



Sukanta Bhatt

Head, System Engg for Mobile Surgery C-Arm business, Philips Healthcare Innovation Center, Pune

Dr Sukanta Bhatt holds a Ph.D. in Mathematics from IIT, Kharagpur. He has more than 28 years of experience spread across research, academics, Mechanical CAD, Medical Software design, validation and verification (V&V), test automation, Medical device system engineering, approbation, V&V. In his current role at Philips, he is responsible for System Design & System Release for C-Arms and Cath Labs.



Satyaprakash Dash

Director, Global Innovations, Impact Lab, PATH

At PATH, Satya has a mandate to propel innovations in public health emerging from India to the next level. Formerly as Head Strategy Partnerships & Entrepreneurship Development at BIRAC (the nodal Indian biotech innovation agency) & as the 'Co-ordinator' of Make in India Cell in BIRAC- his portfolio included overall strategy formulation & implementation for BIRAC, early stage funding, biotech incubators, and business development & communication. He is also a Consultant (pro-bono) to KBITS, GoK advising on Biotech Policy 3.0. Previously he was a Senior Consultant at IIM Bangalore & COO of nodal biotech industry association- ABLE. He holds triple masters from University of Leicester (UK), Cambridge (UK) and Sambalpur (India) and a PhD from University of East Anglia, UK. His interests are in S&T policy design, implementation and outcomes, business of science, early stage funding, entrepreneurship, and catalysing for positive serendipity across innovation communities.

Rupesh Ghyar

Senior Executive Officer, BETiC, IIT Mumbai

	<p>Rupesh holds a doctorate degree from IIT Bombay. His PhD thesis focused on Systematic Approach for Functional and Surgical Suitability Evaluation of Mega Endo-prostheses, which involves standardization of FEA coupled with experimental evaluation. He has a Masters degree in Bioengineering, from University of Strathclyde (UK) and Bachelor's degree, in Mechanical Engineering, College of Engineering, Pune. He has worked for six years as a Senior Research Associate in OrthoCAD Network Research Cell at IIT Bombay. Earlier, he was a business development manager for OSIM India, an orthopaedic implant manufacturer.</p>
	<p>Sanjay Ingale Founder and CEO, BMek Tech LLP (Ecosystem partners at Venture Center)</p> <p>Sanjay has more than 28 years experience in the areas of Embedded systems, Industrial Automation, Automotive Electronics, Internet Of Things, Big Data and Machine Learning. He has worked with TELCO (TATA Motors), TATA Elxsi, Satyam Computers and KPIT Cummins in the areas of automotive electronics and industrial automation product design activities Incubated and built cross-functional teams.</p> <p>BMek is an IoT, Machine Learning & Big Data Solution Provider. They have strong experience in End to End System's Architecture, Design, Development, and Delivery. (https://www.bmek.in/). BMek is ecosystem partner of Venture center and provides following consulting services: Proof Of Concept, Proto-typing, Product Design, Mass Manufacturing, and Support Services, IoT System Design, Integration, Machine Learning, Data Analytics. Industries supported are Health Care & Life Science, Industrial Automation, Automotive Electronics, Medical Equipments, Semi-Equipments Mfg., BMek works on de-risking the Programs / Projects / Practices.</p>
	<p>Sujaya Ingale Lab Manager, Venture Center</p> <p>Sujaya leads scientific Initiatives team at Venture Center. She manages scientific and prototyping resources, facilities, services and ensures Environment Health and Safety compliance at Venture Center. She is M.Sc in Microbiology from Pune University. She has several years of research experience in biotechnology projects, experience in setting up and oversight of Venture Center's Lab facilities, running and assisting in proof-of-concept projects, and in creating, planning and organizing technical and scientific workshops for life sciences students and scientists.</p>
	<p>Aditya Ingalhalikar Founder and CEO, Indius Medtech Pvt Ltd., Pune</p> <p>Aditya is a well published Spine Biomechanist with multiple patents to his credit. He has had a decade long stellar career in the global spinal implants industry. Prior to founding his startup, Aditya was Director of Product Development at Globus Medical, the 5th largest spinal implants company in the world. He has extensive experience in taking products from concept to commercialization in the highly competitive and innovation driven global spinal implants market. He is a Mechanical Engineering and has done MS & PhD in Biomedical Engineering with a focus on Spine Biomechanics from the University of Iowa, Iowa City, USA.</p>
	<p>Edna Joseph Assistant – Lab Manager, Venture Center</p> <p>Edna manages the Analytical Services Facility at Venture Center. She is M.Sc in Organic Chemistry (Pune University) and holds PG Diploma in Patents Law. She has demonstrated</p>



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.



Archana Joshi

Associate Manager, IPFACE, Venture Center

Archana holds a post-graduate degree in Organic Chemistry and completed a post Graduate diploma in Patent Law from NALSAR university, Hyderabad. She is a registered Patent Agent at Indian Patent Office. As an Associate Manager at IPFACE, her responsibilities include Patent drafting, Trademark & Copyright filing, IP training programs and workshops. Prior to joining Venture Center, she has worked as Project assistant-III at CSIR-UDRIP.



Navnath Kadam

Asst. Manager at Regulatory Information and Facilitation Center (RIFC), Venture Center.

Navnath provides leadership to the RIFC at Venture Center, Pune. He regularly advises startups on planning their regulatory roadmap and facility planning. He is developing a suite of services and resources of use to startups. He has multifaceted working experience in managing Quality and Regulatory operations at Medical Device startup Axio Biosolutions Pvt Ltd. He has completed PG Diploma in Entrepreneurship and Business Management from EDI, Ahmedabad and Master of Pharmacy with specialization in Quality Assurance Techniques from Poona College of Pharmacy, Pune.



Biten Kathrani

Biten Kathrani is the Director – R&D and NBD, Asia Pacific, Boston Scientific (BSC), Global R&D Center, Gurgaon.




As the GM for BSC R&D Global In-house Capability (GIC) Center, Biten is responsible for leading Innovation and R&D for global & emerging markets for BSC's portfolio of Interventional Cardiology, Peripheral Interventions, Endoscopy, Urology, Neuromodulation and Rhythm Management. Biten has been instrumental in building Boston Scientific's largest R&D GIC outside of USA. The site has end to end R&D capabilities for single use disposable devices and medical device software development with focus on customer insights driven innovation. In a short span of 4 years, under Biten's leadership, the site has launched 4 products, >45 patent filings and a state of the art R&D infrastructure with a team of >180 employees. Biten has been in the medical device industry for 23+ years, which includes heading medical device R&D at Johnson & Johnson in Asia Pacific. He also specializes in New Business development, Intellectual Property Analytics, New Ventures and Voice of Customer enabled innovation for medical devices. Biten holds an MBA from the ivy league Wharton Business School, M. Tech in Biomedical Engineering from IIT Mumbai; and he is a certified Patent Agent with the India Patent Office. He has launched more that 12 products and has several granted patents in his name.

Shubham Kesharwani

Manager – Product Engineering & Innovation, Impact Lab at PATH India

Shubham graduated from Indian Institute of Technology, Kharagpur in mechanical engineering and brings with him deep expertise in product design, flow simulations,



	<p>hardware control, software programming, virtual instrumentation, testing and building integrative systems. He has gained experience on interdisciplinary project implementation with the Center for Railway Research where he conceptualized a wind tunnel facility to test high speed trains, an industrial fan of 1 Megawatt and worked on rail model testing in wind tunnels.</p>
	<p>Prakash Khanzode MD, Onio Designs Pvt Ltd.</p> <p>Prakash is also Design Lead at AltReal Bio-Innovations. He is a Mechanical Engineer by training and has done Industrial Design from NID, Ahmedabad. At Onio, Prakash leads teams of designers & engineers to provide end-to-end innovation consulting programs in verticals like Consumer goods, Retail & Industrial products, IoT & smart products, Bio-medical innovations, Mobility solutions and Digital design.</p>
	<p>Manoj Kothari Director & Chief Design Strategist at Turian Labs, Cofounder- Zepllers, Expert innovation facilitator</p> <p>Manoj is a design and innovation expert with more than 2 decades of experience across industries and global brands. He leads Turian Labs, a Design Thinking and Business Innovation company, which he cofounded in 2015. Prior to this, he cofounded and led a design company Onio Design and a digital branding company ITERNIA. Manoj uses his passion and expertise in Human-centered Design, Future Megatrends & Indian philosophy to catalyse disruptive innovation and cultural-change within organisations. Manoj has also led innovation engagements with global brands like Google, Microsoft, Philips, Infosys, Volkswagen, Samsung to name a few. He is a mechanical engineering from IITB and PG from NID, Ahmedabad in Industrial Design.</p>
	<p>Nishant Kumar Founder and CEO, Embryyo</p> <p>Nishant leads Embryyo, a medical technology inventions company specializing in clinical need finding, inventing and commercializing novel medical devices. He is BTech-MTech in mechanical engineering from IITB. Earlier he has been associated with Medical Imaging R&D at Philips Healthcare and Agiliad. He has several awards and grants to his credit like Discovery Award 2017, BIRAC-SPARSH grant, Grand Challenges grant, Top-10 Winner at Intel-DST Innovate for Digital India Challenge to name a few.</p>
	<p>Mugdha Lele Manager - Social Innovations at Venture Center</p> <p>Mugdha is a Ph.D in Health Sciences from University of Pune. 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 2016, where her focus was on Social Innovations and entrepreneurship. She has also completed the Aritra Leadership Accelerator program at IIM Bangalore (with Phius Social Solutions and Dr. Reddy's Foundation) in 2017-18. She is interested to drive programs which support development of novel technology solutions for impact in the social sector.</p>
<p>Balakrishna Mahajan Founder and Director, Ticket Design, Pune.</p>	



Balakrishna has graduated from the NID, Ahmedabad. He has successfully lead strategic product design development for various Indian and multinational companies over the last 16+ years. He specializes in Design research, Consumer Insights, Branding, Product positioning, Radical innovation, Understanding of user behavior, Blue sky thinking, Knowledge of Mass manufacturing processes, New product design, Manage/create transition from idea to mass production, Prototyping, Design ready for tooling, Creative Sketching and representation. Under his leadership, Ticket Design, a product, packaging and UX design company has won Red Dot award 2013, CII Design Excellence award 2013, International Appliance Design Award 2007 USA and Business World NID Design Excellence award in 2006, 2008. He has also worked with a MIT Media Lab, a spinoff USA company to create a series of wearable wireless products that featured in the TIME magazine as the top twenty products of the future.



Suresh Nair

Co-founder Design Alpha, Infopark, Kochi

Suresh is alumnus of IITB. He is an active promoter of academic industry association and mentors youngsters as entrepreneurs. He has designed and developed an extensive array of novel products with excellent global market acceptance. He led a team which OEM designed and commercialised variety of healthcare products by global giants. With 28 years of multi-industry experience he's a pioneer in advocating product designs and strategies. He has also founded Biophoton Technologies. Since his initial career at R&D Lab of Ministry of IT and NeST as Global Chief Technology Officer, he's been at the forefront of various councils and boards including Government of India R&D, Kerala Startup Mission Maker Village, CUSAT, BIS amongst many more. The DST Lockheed Martin award 2014 is one of many accolades he has received for his innovation. He has more than 107 publications, 18 patents, 3 co-authored books and more than 300 technical reports to his credit. He has been Chair of IEEE Kerala, Fellow of IETE, Fellow OSI.



Vinayak Nandalike

Co-founder, Yostra Labs

Vinayak works with Yostra Labs, a med-tech startup working on foot complications of Diabetes. He comes with rich experience in product development – from ideation to commercialization across multiple industry sectors.



Dhruva Paknikar

Principal Designer at Dhruva Paknikar Luxury Design Pvt. Ltd.

Dhruva specializes in Product Design, Model Making, Concept Generation, Experience Design, and Sketchbook Pro. Earlier he has been Creative Director at Dominix Strategic Design Pvt Ltd. He has graduated from MIT Institute of Design.



Manisha Premnath

General Manager and COO at Venture Center

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.



Desegan Ponnuswamy

Associate Director, Digital Services, PWC

Desegan is a Mechanical Engineer by training with a Post-graduation from IIM-Lucknow. He has over 12 years of experience with a blend of industry and management, technology & experience consulting. His experience in the domains of auto, retail, pharma, engineering and manufacturing is focused around digital transformation and user experience.



P V M Rao

Mehra Chair Professor in the Department of Mechanical Engineering at IIT Delhi

Dr. P. V. Madhusudhan Rao presently also heads the Department of Design. He is a co-founder of Assistech lab in Khosla School of Information Technology, IIT Delhi which works towards development of assistive technologies for empowerment of visually challenged. He was instrumental in development and commercialization of Smartcane™ - an innovative assistive device for visually challenged that was funded by Wellcome Trust, UK. He has also been responsible for initiating and driving multiple programs in design, innovation & entrepreneurship for students.



Arvind Savargaonkar

Founder & CEO at Streben Healthcare Pvt. Ltd., Chennai

Arvind is a Med Tech specialist with 25 years of experience. He is an early entrepreneur to venture into Med Tech space in 1993, before the globalization and digital era reached India. He founded and built a medicaldevices SME taking it to a customer base of 3000+ hospitals across India through indigenous development of affordable medical products. He has also founded and built an embedded software technology venture that catered to embedded and communications technology leaders in USA. Arvind currently leads a Med Tech startup in the mental stress measurement technology domain. He is passionate about building affordable and scalable solutions to deliver benefits of advancements in medical technology and help the cause of prevention of lifestyle diseases. He is also part of the mentoring team at IIT Madras Incubation Cell and is mentoring IIT Madras incubated startups and aspiring student entrepreneurs By training Arvind is an Electronics and Telecommunication Engineer with MTech from IIT Madras in Solid State Technology.



Aashutosh Sharma

DFM Specialist, Biosense Technologies Pvt Ltd

Aashutosh is an Instrumentation Engineer by training with a Post-graduation in Biomedical and instrumentation. Earlier he has been co-founder and CTO at Actofit wearables.



Nitin Sisodia

Founder and CEO, Sohumi Innovation Lab

Nitin's startup is a social enterprise working to develop novel solutions to improve health & income of people living in underserved regions. He is a 2010 Stanford India Biodesign fellow. In 2013, he was named as one of the top 20 Indian innovators by MIT Tech review. He received NASSCOM ICT led healthcare innovation award in 2016, Indian Merchant Chamber Inclusive Innovation award in 2015 & the Sankalp India award. He has received several grants including the Grand challenges Canada Star in Global health, Center for Innovation in global health award, BIRAC's Biotechnology Ignition Grant & Siemens grant

for his work to develop an innovative hearing screening device for newborns. He is an Electrical Engineer and has done Industrial Design from NID Ahmedabad. His interest in aesthetics and precision product engineering led him to join Maruti- Suzuki, where he designed cars for India and Japan markets. He gives consultation to Zeiss, a Germany based high precision optics manufacturer to make vision care solutions reach under-served regions in India and also is an innovation consultant to Mckinsey& Co.

Arun Venkatesan

Villgro, CTO & Health Practice Lead at Villgro Innovations Foundation



Arun leads the health sector investments at Villgro. He has over 15 years of experience in materials R&D, device development and forward integration of technology into tangible, marketable entities. He has a Ph.D. in Chemical Engineering and has done post-doctoral research in fuel-cell materials development and micro-fuel-cell fabrication. After about 2 decades of product development work in the US, he has been working in the Chennai Area for the last 5 years. He has worked for various small-scale and start-up companies both in the US and India, in a product development capacity leveraging academic research groups and independent development teams. He has extensive experience coordinating development projects using external vendors for rapid turn-around of various product components. His current focus is the development of affordable and sustainable products for BoP. More recently, his teams have successfully commercialized ‘Brilliance - A low cost phototherapy device for premature babies’ and ‘SmartCane - An affordable navigation aid for the visually impaired’. He is also part of three projects in assistive devices funded by Wellcome Trust.

Premnath Venugopalan

Founding Director of Venture Center and Head, NCL Innovations



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.

Chandrashekhar Wyawahare

Director, Futuring Design Pvt. Ltd.



Chandrashekhar specializes in Industrial design, Architecture, Design Strategy, 3D Modeling, Rendering, Innovation, Design Research, Design Education, Design Workshops. He is a trained architect with M.Des in Industrial design from IITB. Earlier he has been a partner in Fomo prototyping workshop and founder partner at i design. Under Chandrashekhar’s leadership, Futuring is now widely recognized for innovation and for New Product Development. It is an award-winning industrial design firm, with studios in Mumbai and Pune, focused helping clients minimize risk, speed up time to market, and deliver results.



About the organizers

	<p>About Tata Trusts PATH Impact Labs (TPIL)</p> <p>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.</p> <p>For more information, visit: https://www.path.org/</p>
 	<p>About Bio-NEST (Bioincubator), Venture Center</p> <p>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.</p> <p>For more information, visit: http://www.bioincubator.venturecenter.co.in/</p>
	<p>About BIRAC Regional Bio-Innovation Center, Venture Center</p> <p>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</p> <p>For more information, visit: http://www.brbc.venturecenter.co.in/</p>
	<p>About NIDHI-CoE, Venture Center</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.</p> <p>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>
