iDEX, DIO-Roadshow 2022
How to Fund and Advance Innovations for India's Defence & Security Forces
- Organized by Venture Center-

POTENTIAL GAINS	• Announcement of recently launched challenges for Defence India Startup Challenge (DISC)-6 & iDEX Prime funding schemes and process to apply for the same. • Learn about opportunities in Indian defence sectors and collaborating with defence establishments to validate and advance technology ideas. • Insights & perspectives of defence experts on working for defence projects
ORGANIZED BY	• Venture Center
SUPPORTED BY	• Venture Center • Innovation for Defence Excellence (iDEX), Ministry of Defence
FOR WHOM	• Startups • SMEs • Individual innovators & researchers • Students • Faculties and researchers of Research & Academic Institutes • Technology providers
WHEN	**Wednesday, 18 May 2022	Time: 03:00 pm – 05:00 pm**
WHERE	• This event will be available to attend Online (Zoom) & in-person (at Venture Center)	Link to the Event & Details will be shared with selected participants. • It is advisable for attendees to join the event in-person from Venture Center wherever possible. This is for better networking and face to face interaction with speakers who will be participating in person in the event. • Kindly choose option as suitable in registration form
CONTACT	Technical queries: Soma Chattopadhyay| Email: idex@venturecenter.co.in Registration queries: Lipika Biswas| Email: eventsdesk@venturecenter.co.in
REGISTRATION	**Registration is free but Mandatory** **Steps for registration:** • Step 1: Interested participants need to fill in registration form at the following link. **Register online at: https://tinyurl.com/18May-iDEX-roadshow** • Step 2: Attendance only on confirmation from organizers. Note: - • Organizers reserve the right to select participants to maximize learning and networking opportunities for the group • Session will be conducted using ZOOM online & offline. Only registered participants will be allowed to participate in the event.

Introduction

Defence Minister Shri Rajnath Singh on April 22 launched 'Innovations for Defence Excellence (iDEX) Prime and the 6th Defence India Start-up Challenge (DISC 6). The problem statements are related to Artificial Intelligence (AI), Advanced Imaging, Sensor Systems, Big Data Analytics and Autonomous Unmanned Systems and Secured Communication, among others.

The iDEX-Prime (https://idex.gov.in/disc-category/24), aims to support defence projects that require large funding support up to Rs.10 crore.

DISC 6 with 38 Problem Statements: (https://idex.gov.in/disc-category/23)

Session Schedule

Time	Duration	Session Title	Lead
3:00-3:15 PM	15 min	Registration & Tea	
3.15 -3:30 PM	15 min	Introduction & background	Soma Chattopadhyay
3.30 -4.00PM	30 min	**Keynote address :** • Introduction to iDEX • Challenges launched under iDEX Prime & DISC-6 • Other funding schemes and opportunities under iDEX	Jatin Arora, Program Executive at Ministry of Defence
4.00-4:30PM	30 min	**Panel Discussion 1: Entrepreneurs & past winners of iDEX schemes** Experiences and learning from working on defence projects	**Moderator**: Soma Chattopadhyay **Speakers**: • Yash Goliya (Founder-Suryudey Plastics) • Saiprasad Poyrekar (Founder-Pacify Medical) • Johnsy George (Founder-Secumatic Technologies)- TBC • Johns T Mathai (CEO, Co-Founder-IROV Technologies) • Vishwas Ramakrishna Udpikar, Managing Director SCICOM Software
4.30- 5:00 PM	30 min	**Panel Discussion 2: Defence technology experts** Opportunities presented by Indian Defence sector in the face of the growing advancements in technology	**Moderator**: Dr. Premnath V **Speakers**: • Jatin Arora, Program Executive at Ministry of Defence • Air Cmde Subramanian Shankar • Cmde V Vishwanath(retd.) • Abhishek Jain, CBO, Zeus Numerix • Col Ashish Ramdas, OIC Regional Technology Node
5:00-5:30 PM	30 min	Networking over tea & refreshments	

Speakers (in alphabetical order of last names)

Jatin Arora
Program Executive at Ministry of Defence, Government of India

Jatin Arora is working as Program Executive with Innovations for Defence Excellence (iDEX), Defence Innovation Organisation (DIO), Ministry of Defence, Government of India.
His career has spanned over 7 years with last 4+ years with the Start-up Ecosystem. He has consulted many start-ups and MSMEs from multiple domains as a Freelance Business Consultant. His role includes the Growth Strategy of the organization encompassing Product Development, Commercialization & Go To Market Strategy, Strategic Alliances and Investor Relations.

He is invited as a motivational speaker and key note speaker to various events by Mid Corporates, MSMEs, Startups, Colleges and NGOs. As a facilitator, Jatin has been recognised for creating a positive and learning environment, encouraging people participation and enhancing individual creativity.

Soma Chattopadhyay
Head Incubation & Mentoring

Soma is currently the Head- Incubation & Mentoring at Venture Center. At Venture Center she is responsible for managing the overall incubation activities starting with identification of potential start-ups, providing in-depth technical & business mentoring, conceptualizing and implementing relevant incubation programs & building a conducive innovation ecosystem at the center. She is recipient of Chevening Gurukul Fellowship for Leadership and Excellence from DPIR, Oxford University. She has >9 years of industrial R&D experience from an MNC in the field of specialty materials post her Masters in Chemistry from Calcutta University. She serves as the nominee director on the boards of 3 startups; is a certified internal auditor for ISO standards and certified Six-Sigma Green Belt. She was also winner of DST & ISBA award "Star Gazing award for Incubation Managers 2016"

Johnsy George
CEO, Secumatic Technologies LLP

Johnsy is a technology entrepreneur having industry experience of more than 20 years.
He started his career in Pune, India and migrated to the USA, where he worked for more than 5 years with companies like Agilent Technologies, IBM and Intel Corp.
He came back from the USA and started his first venture, Oasis Technologies Pvt. Ltd. in the year 2004. His first venture Oasis Technologies Pvt. Ltd. was essentially an embedded systems technology solutions and training company. At Oasis .the team developed many embedded hardware and software products and had a great presence in various colleges and universities through a network of distributors across India.

He left Oasis Technologies Pvt. Ltd. in the year 2013 and started his second venture Technosolve Systems in the same year in which his primary focus was to provide technology solutions to businesses worldwide. Through his venture Roboresponse LLC,he aims to make a world class SaaS product, which will be used as an email marketing automation tool by businesses worldwide.He is closely following the field of Artificial Intelligence as he believes that we have now entered into the era of AI driven solutions, something which is here to stay

	for the rest of the life of mankind. Johnsy has a Bachelor of Engineering (B.E.), Electrical, Electronics and Communications Engineering from SSGMCE Shegaon.
	Yash Goliya, **Founder - Suryudey Plastic Electronics Pvt Ltd** Yash Goliya graduated from the Technical University of Munich (TUM) in 2019 with a Master's Degree in Communications Engineering. During his studies he researched and developed flexible and transparent antennas on plastic foils. He gained industrial experience as a Consultant Antenna Engineer for AKKA at Audi Headquarters in Ingolstadt. After moving back to India in 2021, he founded Suryudey Plastic Electronics Pvt Ltd (SPEZL) to develop and market printed electronics. SPEZL's proposal for conformal helmet antennas was declared as a DISC-5 winner by iDEX-DIO in 2022.
	Abhishek Jain **Chief Business Officer, Zeus Numerix** Abhishek holds a master's degree in technology from Indian Institute of Technology (IIT) Bombay with Aerodynamics (CFD) as specialization. Since inception of Zeus Numerix Pvt Ltd, Abhishek has been associated in many technical and managerial roles. He is a Center for Military Airworthiness and Certification (CEMILAC, Govt of India) certified engineer for design of propellers/fans, technical documentation, and aerodynamics. He is product manager for FanZTM software for the aerodynamics and structural design of large axial fans usually used in power plants, data centers and furnaces for cooling tower applications. He has made more than 15 technical and managerial contributions to reputed conferences and magazines. He has organized more than 25 workshops in CFD and other simulations and delivered lectures in technical and business conferences. As Chief Business Officer (CBO) and has been responsible for acquiring new customers and formalizing partnerships with potential collaborators and customers. He is instrumental in proposing design solutions to customers instead of only analysis and has partnered with fabrication companies for providing these. He is executing the vision of the company in Built-to-Specification projects, Strategic Simulation Software development, Aerospace and Marine Pump development and Precision Guided Weapons. He was one of the 10 innovators to meet Defence Secretary USA, Winner of Lockheed Martin Innovation Medal, and various other awards and achievements. He is a founding Chairman SIDM Start-up Forum, Co-Chairman of FICCI Taskforce on Defence Technology, mentor to start-ups at SINE IIT Bombay and many other roles. Abhishek is a strong votary of saving time instead of money in business and working on technology instead of policy formulation.
	Johns T Mathai **CEO, Co-Founder- IROV Technologies Pvt. Ltd.** Johns T Mathai is the Co-Founder and CEO of EyeROV and is responsible for running all facets of the business. With a proven track record as Lead Engineer in Samsung R&D Institute India and Firmware Engineer in Grey Orange Robotics. He had bagged many awards, contracts, and Funds from many reputed organizations including GAIL, and BPCL. He has a Masters in Computer Technology from IIT Delhi and a B-Tech in Applied Electronics and Instrumentation from the College of Engineering, Trivandrum. EyeROV is the winner of

the National Startup Award 2021, Technology Development Board, Department of Science & Technology, Most promising Avionics and Defence Start-up of the year by IESA 2018

Saiprasad Poyrekar
Founder-Pacify Medicals Pvt Ltd.

Saiprasad is a Mechanical Engineer with Masters of design in Mechanical Systems from IIITDM Kancheepuram. Moulded with mechanical engineering backbone, a thorough study of users, products & their interaction has converted him into an insightful designer. Being trained at IIITDM, Kancheepuram, he has developed firm roots of problem identification, conceptualization, 3D design & prototyping with an essence of functionality as well as aesthetics. He was one of the finalists in Autodesk 3D design competition 2014.

He has previously worked with handful startup and established companies in a new product development ranging from mobile accessories, consumer electronics, medical device, IOT devices and smart door lock.

In 2015, one of his design work 'Muconnect'- world's first fast charging magnetic adapter, successfully crowdfunded and sold more than 16,000 units in 92 countries.

Col Ashish Ramdas
OIC Regional Technology Node

A versatile, high-energy professional with 35 years of experience in the Indian Army with experience in senior level assignments in Human Resource Management, General Administration, Logistics, Supply Chain Management and IT Project Management.

He is presently the OIC of Regional Technology Node, which is the Army's outreach to Industry and Academia in Peninsular India. He was formerly Deputy Commander of a Brigade.In counter insurgency operations, commanded an Armoured Regiment. Consisting of 600 men, and 150 vehicles sincluding battle tanks. provost Marshal of an Infantry Division. Discipline, safety and security of all personnel and their families across five states; ensured investigations, law enforcement traffic and control duties including acoordination with state police and administration
•Commandant, Army Software Development Centre. Headed Army's premiere software agency. Responsible for MIS software project management with PAN-Army effect and far-reaching policy changes. Led the development and deployment of products across 3000+ military units; Integrated audit requirements of Controller General of Defence Accounts - Leading to near real time settlement of pay and allowances of all soldiers of the Army
•Assistant Military Secretary. Sensitive appointment in Southern Army Command dealing with officers' HR including performance appraisals, complaints and grievance redressal, honours and awards, interviews, postings, attachments and other HR issues,meeting both organisational goals and individual aspirations.
•Deputy Assistant Adjutant and Quartermaster General. In-charge oflogistics of a brigade in mountains. Provisioned, maintained and sustained men, transport, equipment and animals at high-altitudes on the Line of Control; Advanced stocking of posts for 130 days each year over a long and varied supply chain, moving several types of commodities like troops, livestock, perishables, grains, engineering stores, ammunition, fuel and fresh, tinned, desiccated and frozen food - from many locations and sources to about 60 destinations; through a multi-modal transport chain of, helicopters, trucks, mules and porters.
He has B Tech (Electronics and Telecommunications), M Sc (Defence and Strategic Studies) Diploma in Advanced Computing, CDAC Pune, Advanced Diploma in Industrial Relations and Personnel Management and advanced diploma in Journalism

Air Cmde Subramanian Shankar
Consultant Rheumatologist & Clinical Immunologist
Former Prof & HOD, Internal Medicine at Armed Forces Medical College, Pune

Air Cmde Subramanian Shankar took over as Prof & HOD, Internal Medicine at Armed Forces Medical College, Pune w.e.f 27 Aug 2018.
He is a graduate of the Armed Forces Medical College. He did his Post Graduation in Internal Medicine from the same college and was the University Gold Medalist. Subsequently he obtained his doctorate in Clinical Immunology from the All India Institute of Medical Sciences, New Delhi.

He was the past editor in chief of Indian Journal of Rheumatology (2009-2013). He has 111 publications in various reputed national and international journals including Nature. He is the winner of several academic and research awards including the prestigious IRA Oration award (2014), Dr JN Berry Award & Dr PJ Mehta Oration of API Capital foundation award 2016. He has also received ICMR's prestigious MN Sen Oration Award in 2019.
He has a keen interest in Autoimmune diseases, Molecular Genetics & Proteomics, Economics, Mathematical Modeling & Biostatistics

Vishwas Ramakrishna Udpikar
Managing Director SCICOM Software

Dr. Udpikar has a Ph.D. from Indian Institute of Technology, Madras in 1989 on the research topic of "Gaussian modeling of images and development of efficient block truncation coders for monochrome image data".
Areas of special interest:Strategic Electronics (Aerospace, Defence, Security), Radars, SDR, Sensors and Controllers, Electro-optics, Industrial Automation and Machine Vision, Video Analytics.

Premnath V
Director, Venture Center | Head, NCL Innovations

Premnath V is currently the Head, National Chemical Laboratory (NCL) Innovations - the group within NCL charged with the responsibility of championing the cause of technology innovation within NCL. Dr Premnath is also the Founding Director of the Venture Center - a technology business incubator on NCL campus. Dr Premnath is also a Scientist, Polymer Science & Engineering Division at NCL with an interest in technology development for biomedical products. He 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 (two successfully commercialized families of products), working with start-up companies (in Cambridge-UK and India) and engaging with large corporations on research and consulting projects as project leader.

Cmde V Viswanath (retd.)

Cmde V Viswanath is an Electronics engineer with more than 31 years of experience in the electrical branch of the Indian Navy. During his service, he has varied experiences in the Indian Navy and DRDO, in areas of Equipment development, Ship construction, Electrical systems design, submarine construction, Operations, ships signature management and policy formulation. He has closely worked with the Indian industry while developing equipment for the country's strategic submarine programme and as General Manager, Planning & Production of the prestigious submarine construction yard.

He is an alumnus of the Naval War College wherein he underwent the flagship Naval Higher Command Course and has also undergone the Higher Defence Orientation course with officers of the Indian Armed Forces and friendly foreign countriesat Army War College, Mhow, India. He holds a Masters Degree in Financial Management from Jamnalal Bajaj Institute of Management Studies, Mumbai and an MPhil in Military studies from Mumbai University.

He believes that there is a lot of talent in the country for powering the growth through indigenous design, development and manufacturing. He therefore guides few start-ups and likes to share his vast experience in the defence sector.

	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/

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	iDEX aims at creation of an ecosystem to foster innovation and technology development in Defence and Aerospace by engaging Industries including MSMEs, start-ups, individual innovators, R&D institutes & academia and provide them grants/funding and other support to carry out R&D which has good potential for future adoption for Indian defence and aerospace needs. iDEX is funded and managed by a 'Defence Innovation Organization (DIO)' which has been formed as a 'not for profit' company as per Section 8 of the Companies Act 2013 for this purpose, by the two founder members i.e. Defence Public Sector Undertakings (DPSUs) - HAL & BEL. iDEX functions as the executive arm of DIO, carrying out all the required activities while DIO will provide high level policy guidance to iDEX. For more information visit: https://idex.gov.in/about-idex