



C-DOT's AVISHKAR PROGRAM

Telecom's

BiG

Build **your** Idea **and** Grow

Startup Incubator

**For Students, Researchers, Ideators,
Inventors and Entrepreneurs**

About C-DOT

Centre for Development of Telematics (C-DOT) is a premier telecom technology centre of the Department Of Telecommunications, Government of India. C-DOT has more than three decades of R&D experience in the indigenous design, development & production of telecom products, especially suited to the Indian landscape. By being at the forefront of technology it has significantly contributed to the Indian Telecom Network's Digitization.



In order for India to catapult as a global 5G and telecom leader, the Indian government is looking to provide substantive funding for 5G focused and telecom technology related startups through the aegis of C-DOT.

India, in the last 10 years, has already become one of the largest global telecom markets and is poised to grow fast in the future. For the Department of Telecommunications (DoT), Government of India, C-DOT aims to support startups and facilitate with market access opportunities. Besides RFPs and bids becoming more startup-friendly, there is a plan to provide order volume and time period guarantees for them. This will help startups to scale and also procure external funding on the basis of business and revenue pipeline.

Know More: <https://www.cdote.in>

About Zone Startups India

Zone Startups India (a part of BSE) is one of India's Leading Incubator and Accelerator with a legacy of over eight years. Apart from its flagship Zone Nurture Incubator Program, it has several accelerator and innovation programs including RegTech Accelerator Program (India's First Regulatory and Supervisory Technology Accelerator for BFSI industry), SAMRIDH AcceleratHER Program (Sector-agnostic Accelerator for Women led IT Powered Startups), empower (India's first and largest Tech Accelerator for Women Founders), Next BIG Idea (Canada Market Access Program for Tech Startups) and BSEImpact (for nurturing entrepreneurs impacting the lives of India's bottom of the pyramid segment through sustainable solutions), Virtual Incubation Program for Women Entrepreneurs (VIP-WE) and Capital Connexion (investor connections for early stage startups). It also manages a Rs. 10 crore startup seed fund provided by Government of India under DST's NIDHI SSS and facilitates access to capital through BSE Startups Exchange (platform for Startup IPO).



Know More: <https://india.zonestartups.com>

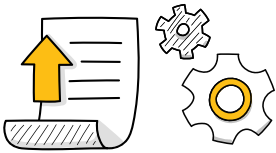
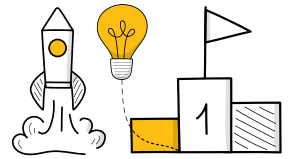
C-DOT in association with Zone Startups India have specially curated the Telecom's **BIG (Build Your Idea and Grow) Incubation Program** focused on finding solutions to specific and current problems as well as addressing opportunities in the telecom domain.

We present to you, **C-DOT's AVISHKAR PROGRAM** focussed on telecom ideas.

Program Objectives

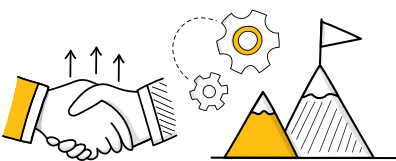
The need for an Idea Stage Incubation Program for the Telecom Sector

Support Idea Stage Innovators/Inventors in solving Real-time Challenges related to the Telecom Sector and Take up Telecom Entrepreneurship



Catalyse an Idea into a Proof of Concept leading to a Prototype/MVP Development Plan

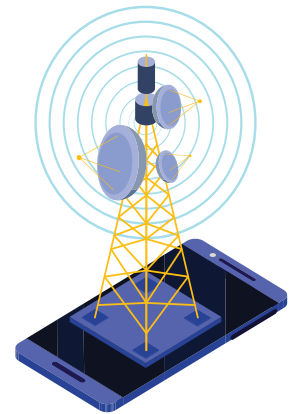
Provide guidance and mentorship to cohort members in the creation of IP portfolios



Provide handholding and mentorship to build a startup business

Know Your Program

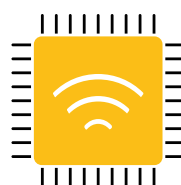
- 1. What is the Program About?** The Idea Stage Incubation Program will help you to **Build Your Idea and Grow** it into a Telecom Product/Solution and also equip you to become an entrepreneur.
- 2. Who is it for?** Students/Researchers/Ideators/Innovators/Inventors/Entrepreneurs working on Telecom Ideas and concepts (TRL 3 or below level).
- 3. Why are we running the Program?**
To Energise and Support the Innovator and Entrepreneur in You so that You can Contribute to make India Atmanirbhar in Telecom.
- 4. How are we going about it?** Providing an enabling environment to help you Develop a Product/Solution to address the Current Challenges in the Telecom Sector.
- 5. How long is the Program?** 18 weeks from the selection of the cohort.



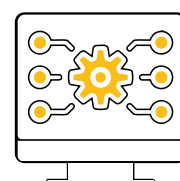
Drawing Your **Attention** to the following **Telecom Themes** which are in focus



5G Related Solutions



Telecommunication Software Solutions



Telecommunication Hardware Solutions

Challenging you to **Address** and **Solve** the following **Problems**

S. No.	Problem Statement*	Telecom Theme
1	To develop automation test tools for verification and testing of 5G features/use cases or any related solutions	5G
2	To develop the scheme (algorithm) to intelligently manage the spectrum for 5G network	5G
3	To develop application for android box	Software/ Hardware
4	To design & develop models & techniques for fast detection of images from a huge database of 125 crores plus images	Image Processing Software
5	To develop algorithm for image quality enhancement of low resolution/blurry images (consider human faces)	Image Processing Software
6	To develop a mechanism/algorithm for audio quality improvement in video conferencing mode	Software/ Hardware
7	To optimize location accuracy while minimizing the number of BLE Beacons	Software Development
8	To develop localization techniques using VLC (Visible Light Communication-LiFi). Also, develop corresponding mobile applications for the same	LiFi
9	To develop a utility to monitor and track the procurement system for minimizing delays	Software Development
10	To develop speaker identification in standalone embedded systems	Software Development
11	To create an IoT device to support e-health in rural areas	IoT
12	To develop wearable sensors for active and assisted living	Wearable Sensors

**Please refer program website for more details on the problem statements*

Your **Idea** can help you become a part of **Cohort Members**

Cohort Size - Maximum of **12 members** will be selected from the applicants for solving challenges across all the problem statements

To be an **Eligible Applicant** you should definitely be a technology innovator/entrepreneur and one of the following

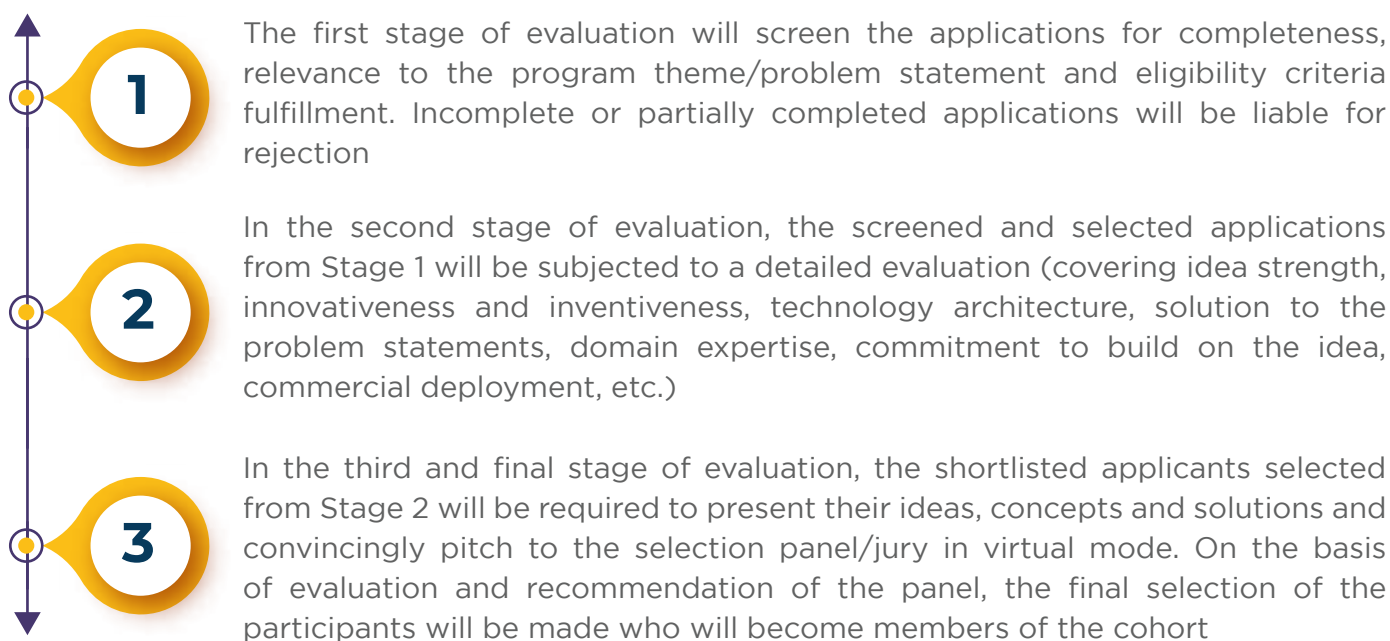
1. **Student/s** (pursuing Diploma/UG/PG in the Technology/Engineering/Science stream)
2. **Research scholar/s** (JRF, SRF, Scientist, Research/Project Associate/etc.)
3. **Academician/s**
4. **Professional/s include Software Developer/s**
5. **Technology Startup Venture** formed to develop and commercialise the idea

The **Eligible Applicant** needs to be a Resident Indian or a Person of Indian Origin or an Entity registered in India.

Your **Selection** will be based on the following **Criteria**

- Idea and concept stage telecom technology products/solutions/service or venture at TRL 3 or below
- Powered by cutting-edge and innovative technologies
- Providing solutions to or addressing the problem statements as notified
- Existing entrepreneur or aspiring to become one

Your **Application** will fly past the following **Stages**



The interactions will happen in the following **Modes of Delivery**

- Virtual Mentoring and Training Sessions
- Virtual Demo Day

Your journey with us will be via the following **Program Phases**

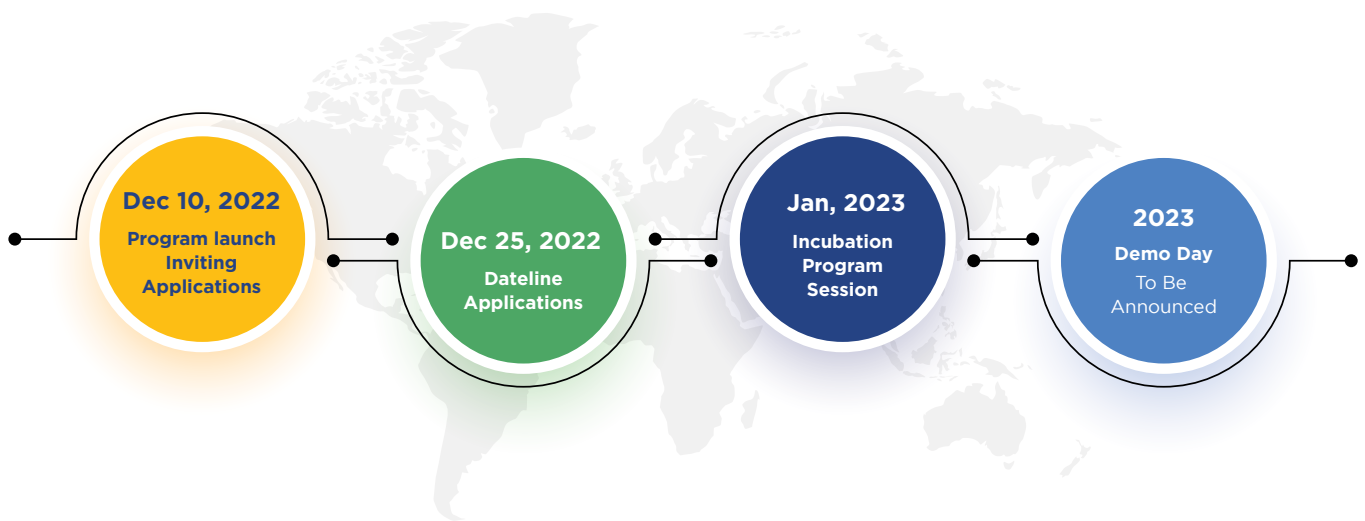
Phase I (Application): Launch of the program & announcement of the application process.

Phase II (Selection): Screening and evaluation of applications and selection of cohort members.

Phase III (Incubation Sessions): Program introduction and expectation-mapping/milestone planning, mentorship and training sessions. The sessions will be delivered virtually in a group or one-on-one format across Idea Curation-Business Planning-Entity Setting-up, POC-Prototype-MVP Development to solve for the Problem Statements, Product-Market Fitment and Fund-raising domains.

Phase IV (Demo Day): Showcasing the solutions to an expert panel and special invitees.

Program Timelines



Apart from Learning and Networking opportunities you will also have the following **Benefits** and **Takeaways**

- Opportunity to work on real-life problem statements in the telcom sector
- Training/mentoring/hand-holding sessions in groups and on one-on-one basis
- Grant for select cohort members
- Access to C-DOT's and Zone Startups India's innovation ecosystem
- Credit/Special offers from Business Support Solution Partners (as per the terms and conditions of the partners)

Please read the Program Terms and Conditions as per the program website before applying.

Contact Details:

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