

Entrepreneurship: IDEAS Program for Venture Creation



Project Title:

From IDEAS to START-UPS

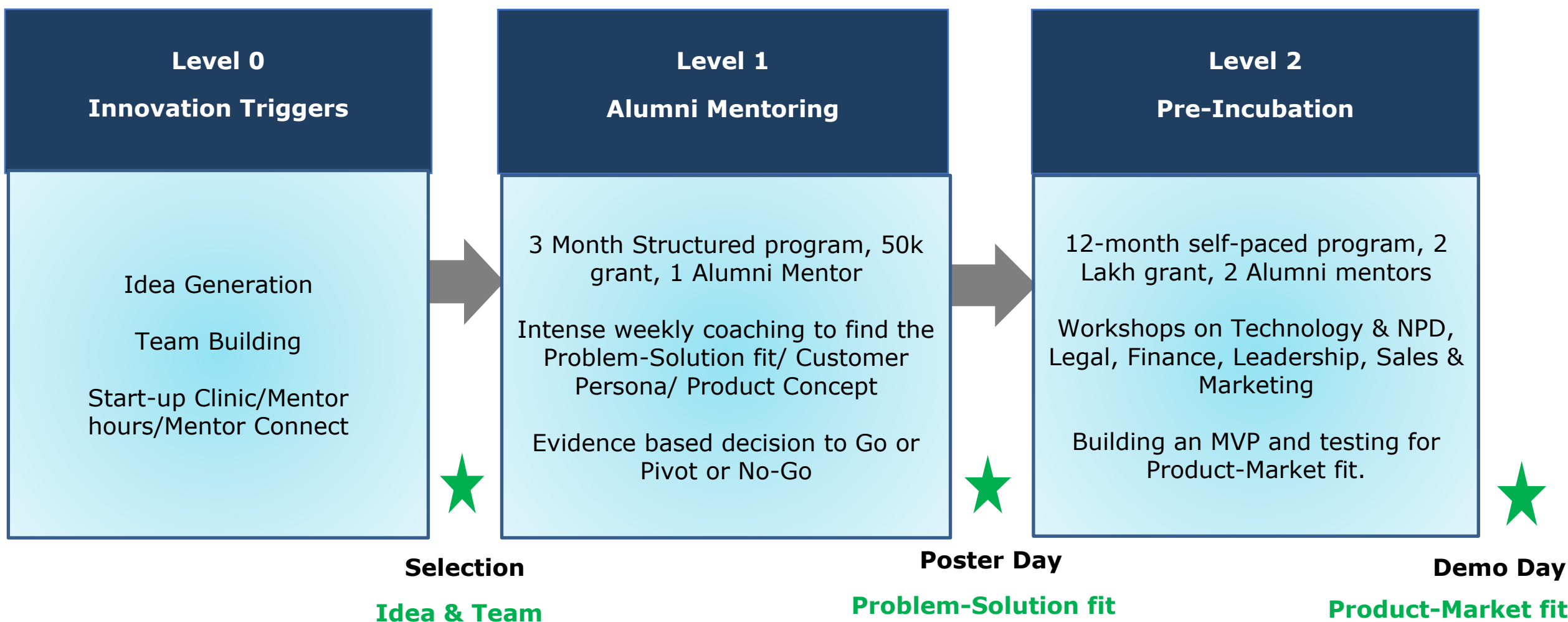
Objective:

Scale up IDEAS Program to reach 25-50 Startups annually

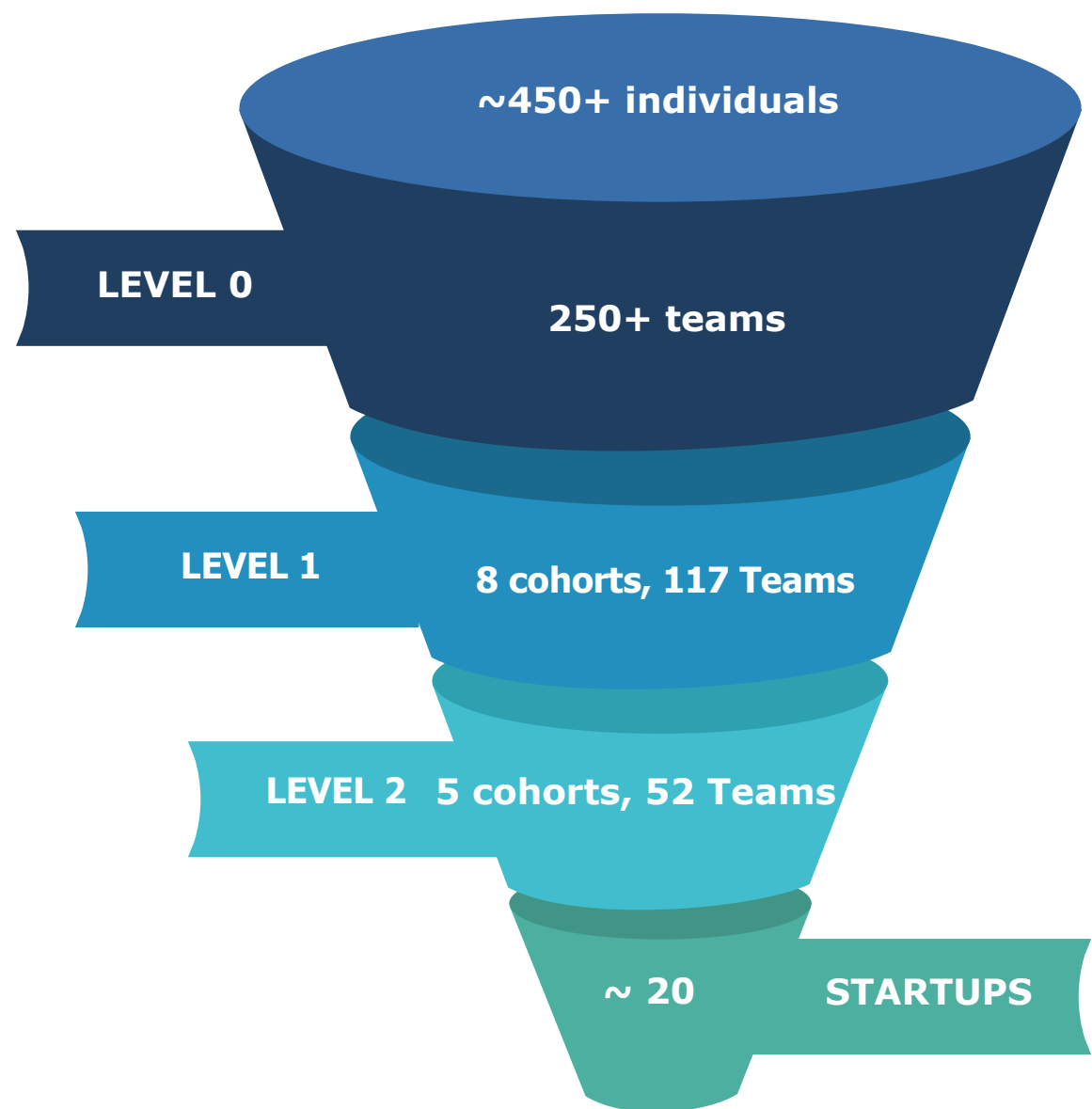
Project Description/ Requirements:

The IDEAS Program focusses on alumni-mentoring and a structured pre-incubation program to address the gap in the middle of the innovation funnel. Student teams need to be mentored to develop their ideas into a Proof-of-Concept / Prototype before they can get to an incubator or raise funding. The IDEAS Program seeks to solve this problem by ensuring a robust funnel between ideas and incubation.

The IDEAS Program sees its role as inspiring and preparing aspiring entrepreneurs and providing pre-incubation support to teams. Teams go through Level 0 (workshops, bootcamps, speaker series), Level 1 (cohort-based structured mentoring to reach Problem -Solution fit), Level 2 (self-paced product development and business planning to reach Product-Market fit) and are then presented to potential investors in a Demo-Day. Support provided to IDEAS teams is in the form of mentoring, regular reviews, access networks, and mini grants for product development.



Impact/Outcomes: 3 Years



- 450+ individuals
- 100+ mentors
- 117 Level 1 teams
- 52 Level 2 teams
- ~20 Start-ups

Project Requirements: We seek additional funding to scale up the program- Grants for additional teams, software platform for all resources (Teams, mentors, investors), increased content of workshops and webinars.



Professor In-Charge:

Prof. Anu Narasimhan, Professor-of-Practice, Desai Sethi School of Entrepreneurship, IIT Bombay

Email: anu.narasimhan@iitb.ac.in



Team

Ms. Sukanya Dikshit, Project Manager, Desai Sethi School of Entrepreneurship, IIT Bombay

Email: sukanyadikshit@iitb.ac.in

Contact Us

Corporate Coordinator

Nishant Maloo | corporate@acr.iitb.ac.in

Dean Alumni and Corporate Relations Office, IIT Bombay





Skills and Entrepreneurship

Project Title

Extension of lab set up for understanding the nuances of coolant mixing

**Funding
Requirement
INR- 14L over
3 years**

Objective

To create and upgrade the training and demonstration set up in the existing lab to demonstrate the process of coolant mixing and emulsion testing with various parameters, which will upgrade the knowledge in latest technologies for students.

Impact

The students and researchers in the lab will learn better with the hands-on experience which can be carried further in their career later.

Project Description

Improving the skill set in students and researchers in mixing and analyzing the coolants

Principal Investigator



Prof. Asim Tewari

Professor, Mechanical Engineering

Email: asim.tewari@iitb.ac.in

Co-Principal Investigator

Mr. Naveen Dasari

Contact Us

Corporate Coordinator

Nishant Maloo | corporate@acr.iitb.ac.in

Dean Alumni and Corporate Relations Office, IIT Bombay





Skills and Entrepreneurship

Project Title

Fast and cost-effective design cycle for developing mobile robots using Smartphone (Commercial-Off-The-Shelf (COTS) device)

Funding Requirement
INR- 17L over 21 months

Objective

To develop a plug & play methodology for using smartphone as the sole intelligent onboard device to operate any mobile robot. Further, key features to achieve the objective for interfacing and control of mobile robot are as follows: 1. Foundation features - Alternative solution to range sensing for smartphone based mobile robot in structured environments - Implementation of obstacle avoidance with the range of information obtained 2. Facilitate communication between the COTS device for multi-robot applications .

Impact

Faster design cycle of mobile robots due to use of COTS device and corresponding common intelligent open source modules. Upgradation of COTS technology and open source through global developers' community. Support for quality education and research on high end robotic applications through easily developed laboratory prototypes

Project Description

Leverage commercial-off-shelf-solutions (COTS) devices such as Android Smartphones for high-level autonomous tasks, as a common platform for mobile robots. Purpose is to develop robotics modules independent of the robot mechanism, and to facilitate faster development of robots and skill building in robotics. Quality and time-bound education on developing high level robotic applications is possible with common Apps developed in this project.



Principal Investigator

Prof. Leena Vachhani,
Systems and Control Engineering
Email: leena.vachhani@iitb.ac.in



Co-Principal Investigator

Prof. Arpita Sinha



PhD Student: Vivek Yogi

