

ULTIMATE INNOVATION GUIDE

Ideate, Implement, and Take it Global

Innovation isn't magic; it's a process. Join us on a 75-minute journey from identifying unmet needs to building global innovation ecosystems.

5

EXPERT INSTRUCTORS

75

MINUTES

∞

POSSIBILITIES

Why This Course?

Innovation is often seen as an elusive pursuit reserved for experts, but it is fundamentally a **structured process** involving problem identification, exploration, iterative development, and execution.

This session demystifies innovation, positioning it as an accessible journey. We move beyond "thinking outside the box" to practical frameworks like **Need-Gap Analysis** and **First-Principle Thinking**.

Core Learning Outcome

By the end of this session, you will view innovation as a repeatable, empowering process rather than a distant goal.

The 5 Pillars of the Course

- 1

Observation
Identifying Opportunity
- 2

Resilience
Iterative Solving
- 3

Prototyping
Rapid Refinement
- 4

Scaling
Global Adoption
- 5

Ecosystems
Platform Thinking

MODULE 01

From Observation to Opportunity

Instructor: Dr. Nilesh Kumar

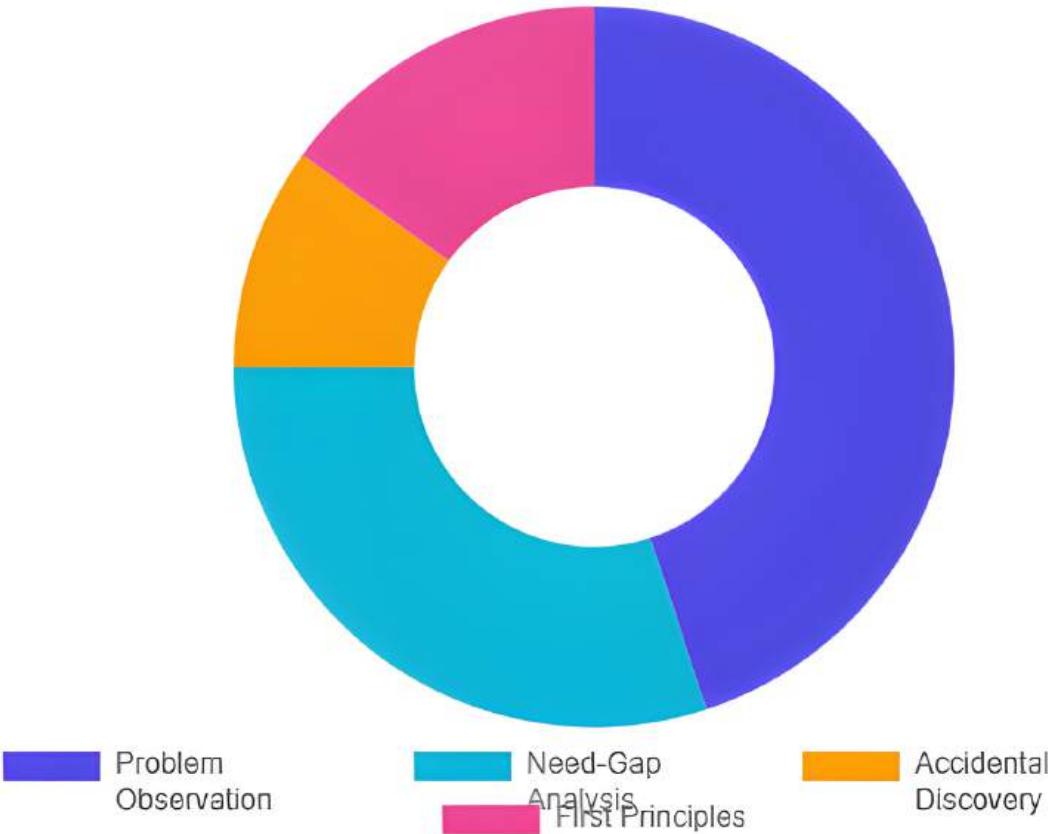
Great ideas don't appear out of thin air; they come from observing the world with intent. This module explores how to convert observations into impactful solutions using Need-Gap Analysis.

- ✓ **Need-Gap Analysis:** Identifying the difference between current state and desired state.
- ✓ **First-Principle Thinking:** Breaking problems down to basic truths.
- ✓ **Empathy Mapping:** Understanding the user's emotional journey.

Key Takeaway: Stop looking for ideas. Start looking for problems.

Origins of Successful Innovation

Where do high-impact ideas typically originate?



Analysis based on typical innovation case studies.

MODULE 02

Resilience in Innovation

Instructor: Dr. Suven Bhattacharjee

The path to innovation is rarely linear. It requires navigating roadblocks through resilience, feedback, and agile problem-solving. This module teaches you how to pivot effectively.

The Iterative Resilience Loop



Why Resilience Matters?

Innovation is 1% inspiration and 99% iteration. The ability to endure failure and view it as data is what separates successful inventors from dreamers.

Agile Problem Solving

Break large roadblocks into small, testable hypotheses.

Feedback Loops

Shorten the time between "Action" and "Feedback" to learn faster.

Cost of Change Curve

It is cheaper to iterate early than to fix bugs later.



MODULE 03

Rapid Prototyping & Iterative Design

Instructor: Dr. John Davis Akkara

Don't build the whole thing at once. This module focuses on the role of continuous refinement. Start with a "Rough & Ready" prototype to validate assumptions before committing resources.

- ✓ **Low-Fidelity:** Sketches, paper models (Focus: Concept).
- ✓ **Medium-Fidelity:** Wireframes, 3D prints (Focus: Function).
- ✓ **High-Fidelity:** Fully functional (Focus: User Experience).

MODULE 04

Scaling Innovation Globally

Instructor: Dr. Ashish Sharma

An idea is only as good as its execution. This session covers the pathways to scale, including IP strategy, navigating regulations, and ensuring sustainability in global markets.

IP Strategy

Patents & Trademarks as defensive moats.

Adoption

Crossing the chasm to mainstream users.

Barriers to Global Scale

Common hurdles innovators face when going global.



MODULE 05

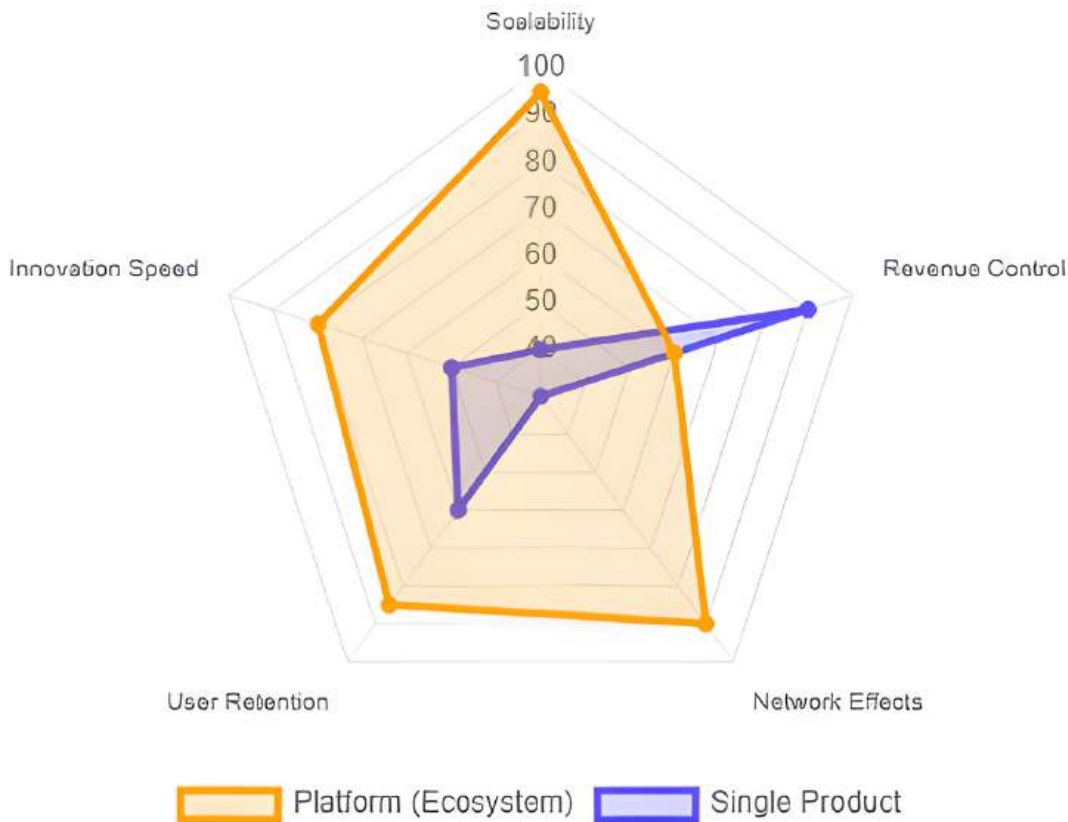
From Products to Platforms

Instructor: Dr. Prasanna Venkatesh Ramesh

The ultimate goal is to build innovation ecosystems. Move beyond selling a single widget to creating an interconnected network where ideas evolve into platforms.

Product vs. Platform

Comparing the value drivers.



The Network Effect

Platforms become more valuable as more people use them (e.g., App Store vs. a single Calculator App).

Interconnectedness

Building bridges between your innovation and existing technologies accelerates adoption.

Meet Your Instructors

Dr. Nilesh Kumar

OBSERVATION & IDEAS

K20052

n.nilesh.kumar@gmail.com

9582436815

Dr. Suven Bhattacharjee

RESILIENCE

B05679

suvenb@gmail.com

9830060348

Dr. Ashish Sharma

SCALING

S13838

drashish79@hotmail.com

8144973937

Dr. John Davis Akkara

PROTOTYPING

A19733

johndavisakkara@gmail.com

9488547072

Dr. Prasanna V. Ramesh

ECOSYSTEMS

R19173

email2prajann@gmail.com

9976286712