



PROPOSAL FOR  
**DESIGN INNOVATION SCHOOL**

IDC  
IIT Bombay

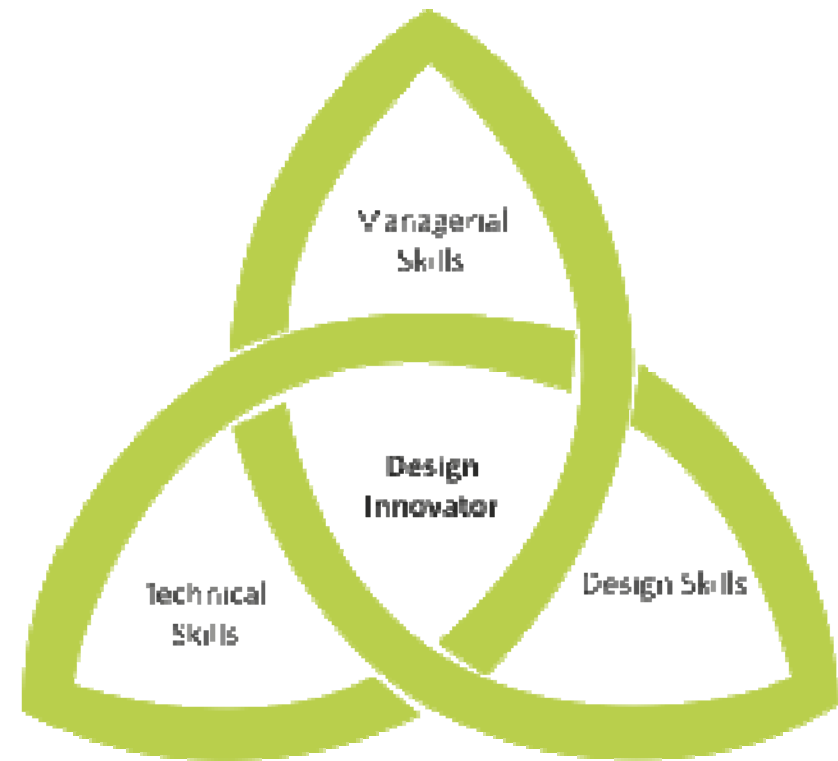
## **VISION:**

The vision for the Design Innovation School is to scout for problems in the rural areas. During the academic tenure, students will work on the concepts & ideas and take them in to real life product development and final production. The students then will take them to entrepreneurship mode to realise the products in the field.

# Design Innovation School Focus

The core focus of the program will be to create design innovators for India that can achieve balance between learning and action resulting in innovative services, products and processes during their academic tenure.

- Leveraging the research & M. Des. Strength of IDC
- Leveraging the excellent R&D strength of IIT Bombay

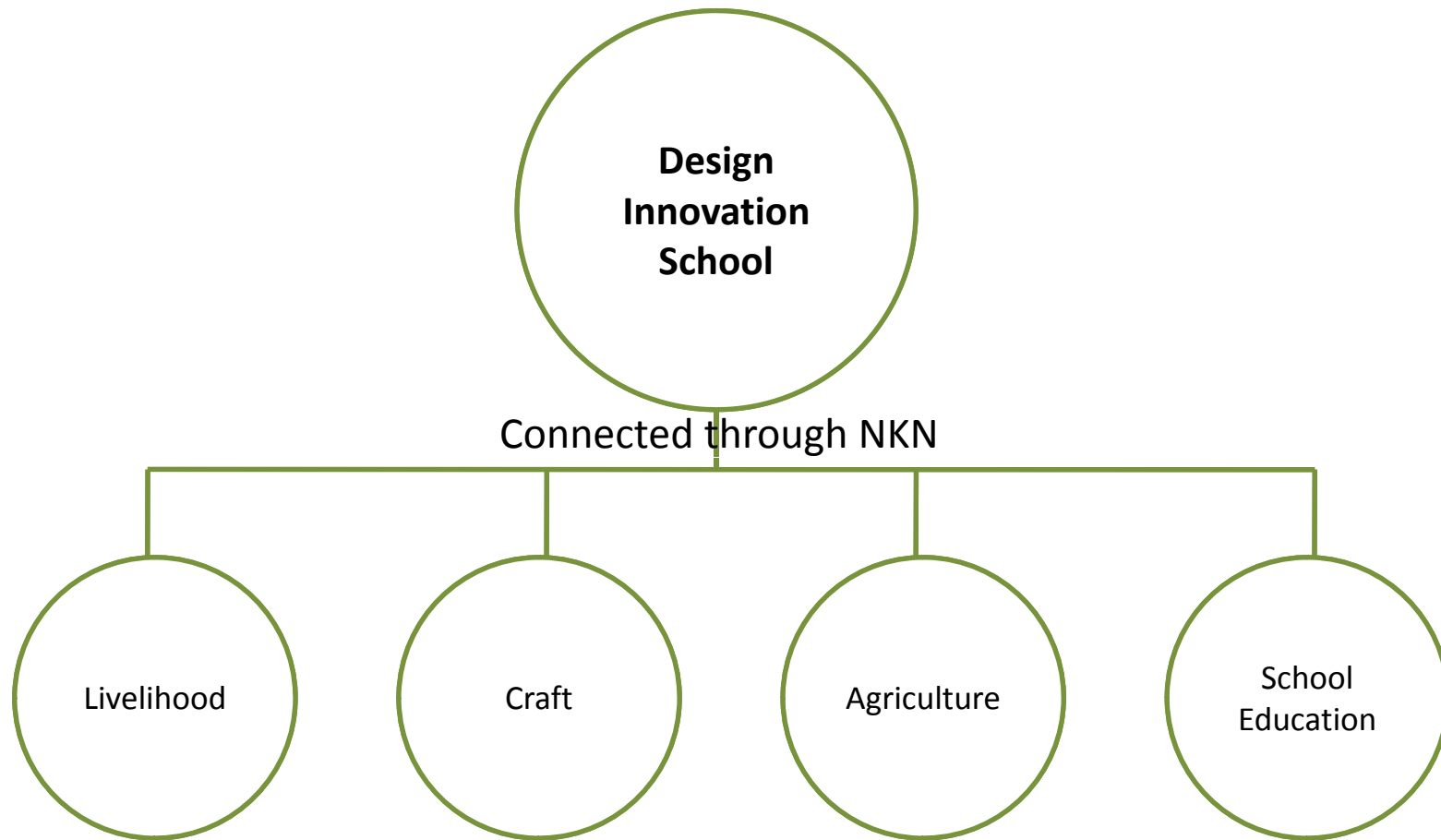


# Design Resource & Activity Centre

Innovating in Teaching methodology by using the Knowledge networking opportunity provided by NKN to develop the following:

- Educational/Instructional materials
- Data bank
- Design Competition (design fest like tech fest )
- Design & creativity workshops
- Design EXPO (Direct interaction between Designer & User)

# Satellite Innovation Centers



# Educational Impact

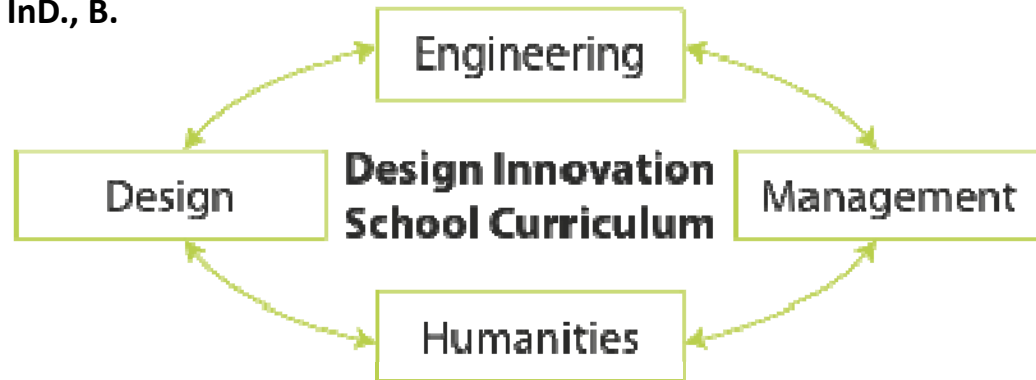
- Bachelor of Design Innovation – 100 students  
+ NKN connected engineering students
- Industry Program -1000
- Teaching the Design Teachers – 50
- Diploma for Design Support Staff – 20 per  
Satellite Innovation Centre

# Curriculum - a Multi-disciplinary Approach

**Bachelor of Design Innovation (B. DInn., B. InD., B. Inno.)**

**Major** Design Innovation  
(60% of the courses)

**Minor** Engineering Disciplines  
OR  
Science  
OR  
Humanities  
OR  
Management  
(40% of the courses)



*For ex - Bachelor of Design Innovation with  
Minor in  
Mechanical Engineering*

# Key Aspects of the Curriculum

- Fostering creativity
- Strong science & engineering footing
- Grounding in arts
- Basic design skills
- Managerial & entrepreneurial skills
- Visualization, prototyping skills, stress on experiments & hands-on experience
- Exploration into new domains
- Real life case studies and solutions in context
- Team work
- Strong communication skills
- Cultivated & critical thinking
- Equip with a strong base for selecting & excelling in making choice for future study & employment



# Design Innovation Pedagogy

## **Undergraduate Students**

### Mode 1: Classroom & NKN Lectures

- Teaching basic design & design methodology
- Motivation through inspirational case studies

### Mode 2: Building products through hands-on training

- Introducing students to design workshops
- Assignments and project work

# Design Innovation Pedagogy

## **Industry Professionals**

1 year program for Industry professionals to learn design innovation:

- Supported by NKN for lectures
- Project building collaboratively in their place of work & monitored through NKN

# Design Innovation Pedagogy

## **Teaching the Design Teachers Program**

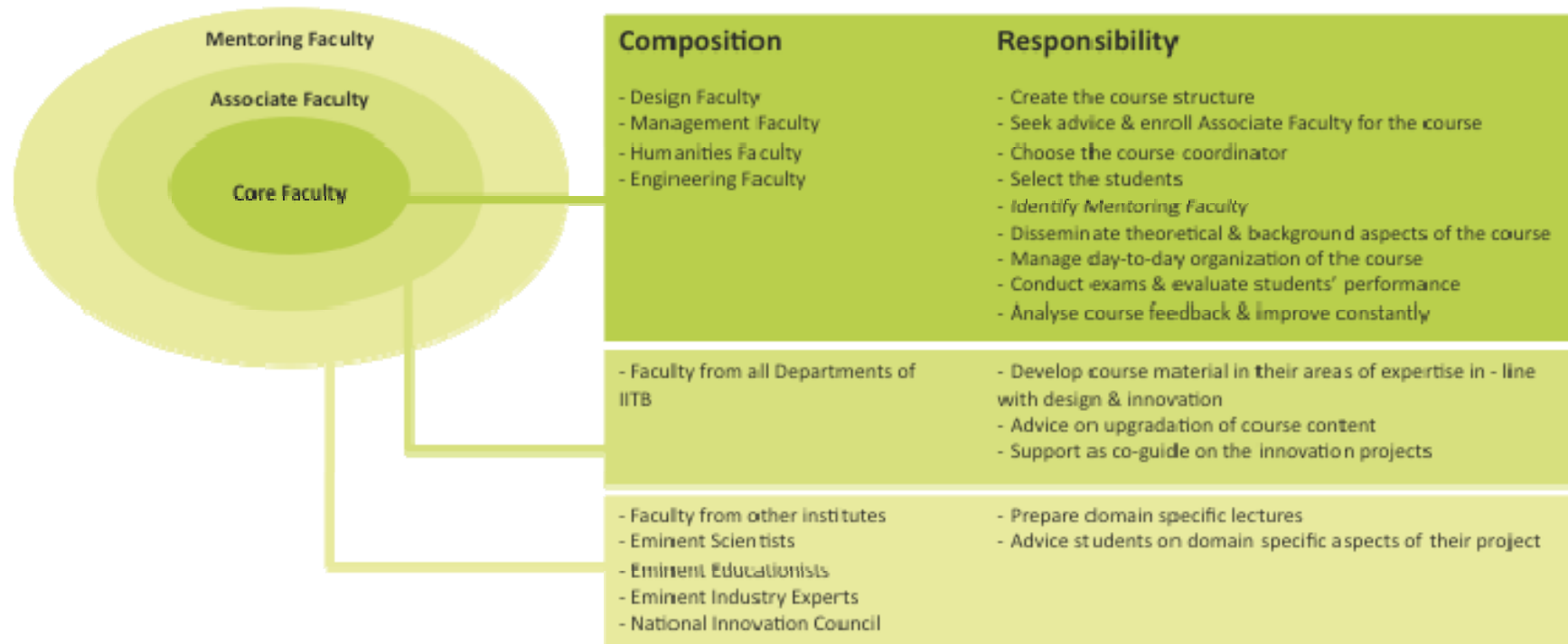
- 3 year Phd program
- Through NKN for regular lectures
- 8 weeks of studio work per year in the parent institute

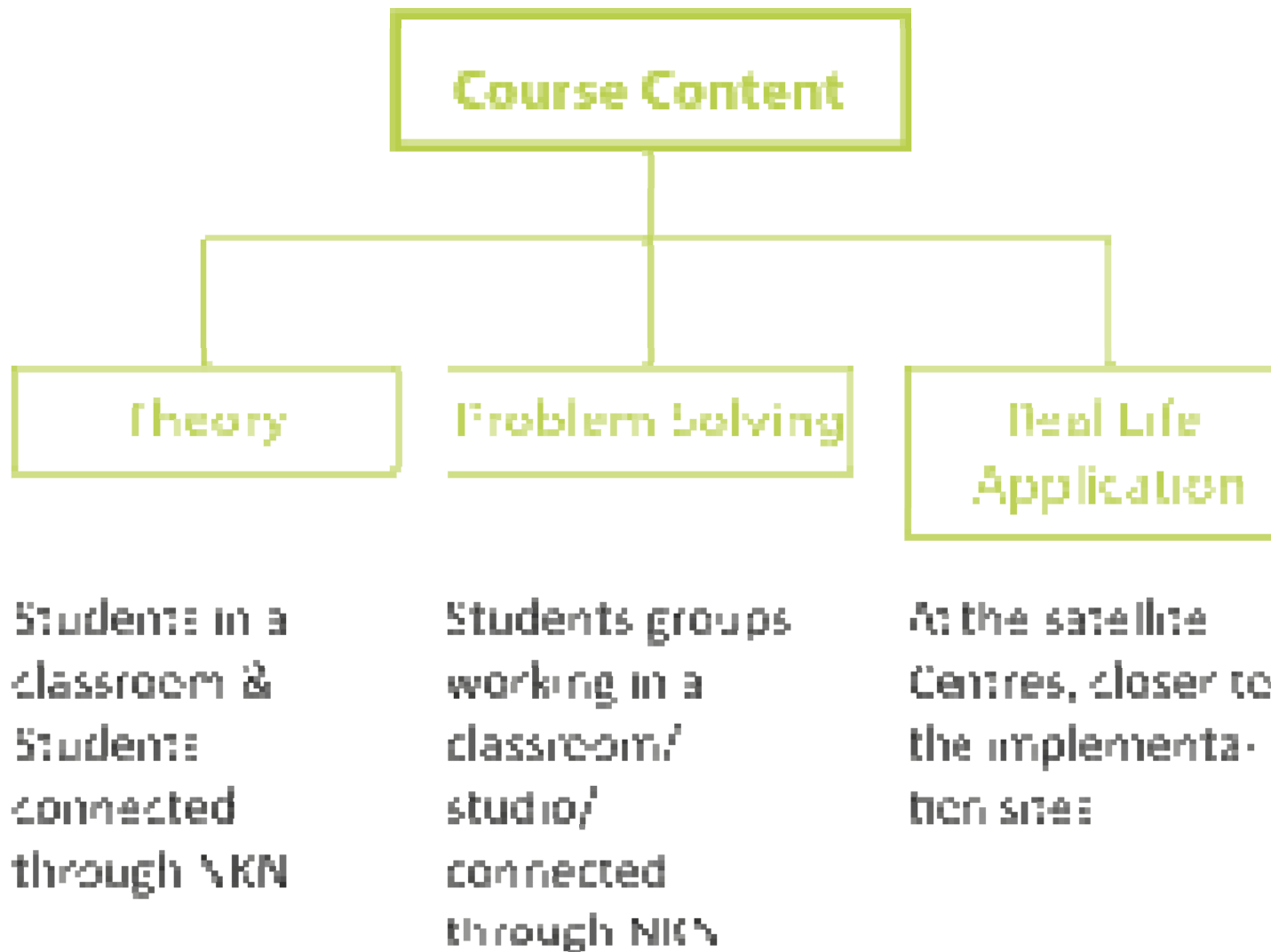
# Design Innovation Pedagogy

## **Design Support Skills**

- Diploma for craftsmen, model makers, artists through the Satellite Innovation Centers supported through NKN

# Faculty Team Construct





# Leveraging the NKN Network

- Experts available on the network
- Professor cluster formation
- Live transmission of seminars/ workshops/ classes
- Showcasing hand-on training sessions to knowledge enthusiasts located in different places
- Providing on-demand educational material
- Design knowledge accessible to all
- Learning collaboratively
- Collaborative knowledge sharing
- Collaborative idea generation/ brain storming session
- Two way learning
- Collaborative knowledge bank development



Thank You