

Global Initiative of Academic Network (GIAN) Course

Quadruple Helix and Strengthening Knowledge Interactions for Frugal Innovation

17-21 February 2025

Venue- Room 107 (Training Room), JNU Convention Centre

Jawaharlal Nehru University, New Delhi

Schedule Overview

Day 1: 17 February 2025 (14:00 – 18:00)

Inaugural Session (14:00 – 14:30)

- **14:00 – 14:10:** Welcome Remarks and Introduction to GIAN Programme
Prof. Satyabrat Patnaik, GIAN Coordinator, JNU
- **14:10 – 14:20:** Introducing Prof. Peter Knorringa and the Course
Saradindu Bhaduri
- **14:20 – 14:30:** Round of Introductions

Lectures (14:30 – 16:30)

1. **Frugal Innovation: Context and Landscape**
Peter Knorringa
2. **Innovation Theories Before Frugal Innovation: A Brief Overview**
Saradindu Bhaduri

High Tea (16:30 – 17:00)

Tutorial and Discussion (17:00 – 18:00)

- Discuss examples of frugal innovation, elaborate on readings, and Q&A
Peter Knorringa and Bibhuti Ranjan Bhattacharjya
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Day 2: 18 February 2025 (14:30 – 18:00)

Lectures

1. **Research Collaboration and Knowledge Interactions: A Glimpse of JNU's Policies**
Shweta Saran, Director, R&D, School of Life Sciences, JNU
2. **Helix Models: The Various Generations – Culminating in the Quadruple Helix Model**
Peter Knorringa
3. **Organising Quadruple Helix in India: The Lived Experience within a Rural Technology Action Group (RuTAG)**
Bibhuti Ranjan Bhattacharjya, Department of Design, IIT Roorkee

High Tea

Day 3: 19 February 2025 (14:30 – 18:00)

Lectures

1. **The Dutch Consensus-Building Quadruple Helix Model: Successes and Failures**
Peter Knorringa
2. **Citizen Science and People's Movement in India: How Inclusive Are We?**
Asani Bhaduri, Cluster Innovation Centre, Delhi University

Dinner

Day 4: 20 February 2025 (14:30 – 18:00)

Lecture

- **Past, Present, and Future of Frugal Innovation in Europe**
Peter Knorringa

Tutorial

- **Discuss examples of Dutch Quadruple Helix**
Peter Knorringa

Lecture

- **Lessons and Cross-Learning for Frugal Innovation Ecosystem Building**
Peter Knorringa and Saradindu Bhaduri

Tutorial

- **Q&A and preparation for the simulation game: Role-play instructions**
Peter Knorringa

Day 5: 21 February 2025 (14:30 – 18:00)

Lecture

- **Consensus Building Through Simulation Games**

Peter Knorringa

Simulation Game

- **Quadruple Helix Game for Frugal Innovations in India**

Open Discussion

- Reflections from the simulation game and the overall course

Moderated by Padmaza Talukdar

High Tea
