

# Transforming Research and Innovation with **the Manthan Platform**

## CASE STUDY



### About Client

The Office of the Principal  
Scientific Adviser (PSA)  
to the Government of India



### Industry

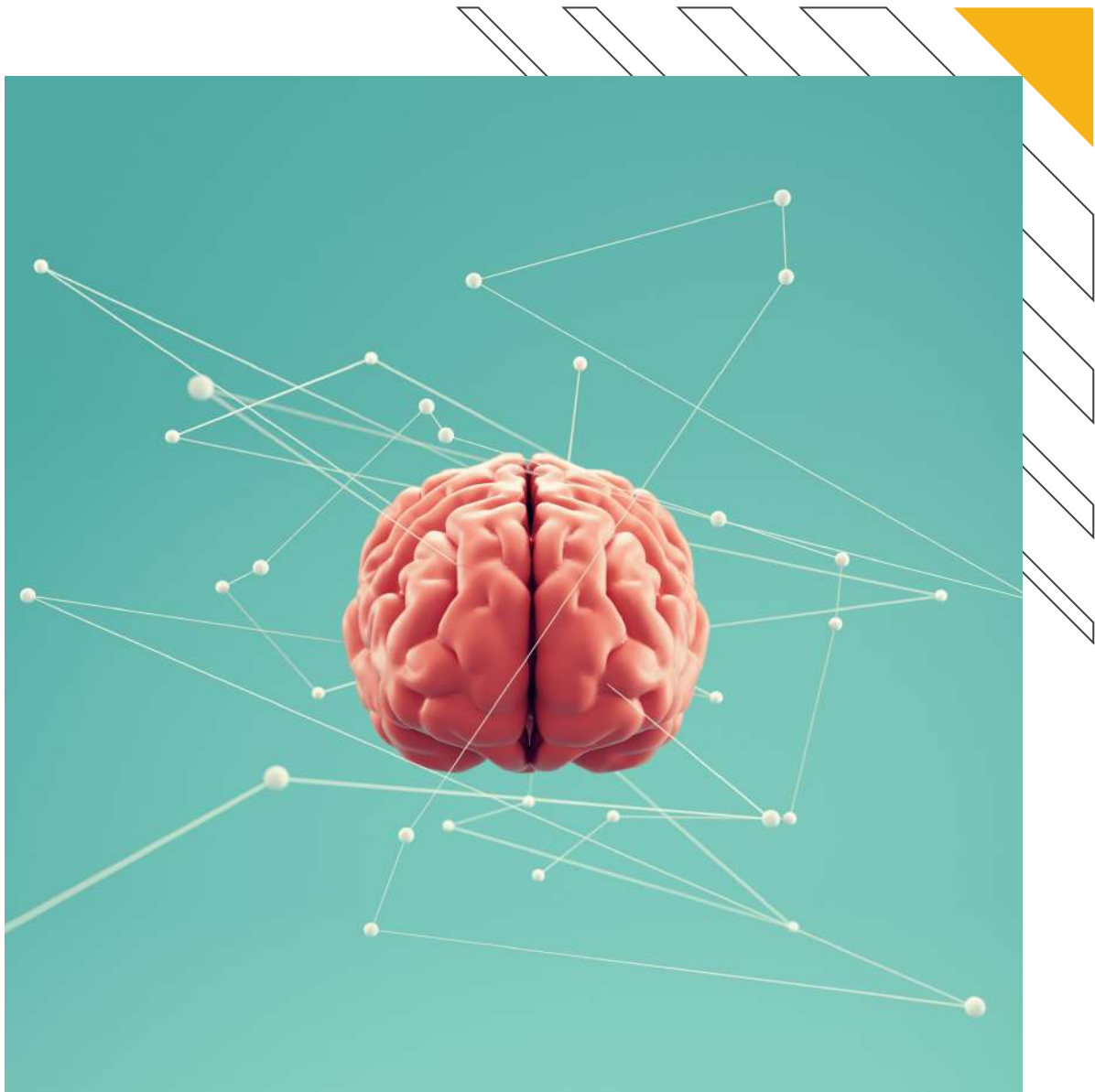
Government, Research,  
Innovation



### Service

Collaborative Platform for  
Research and Innovation





## Business **Need**

India's research and innovation ecosystem and its approach to managing research initiatives was fragmented, leading to inefficient use of resources, poor knowledge sharing, and ineffective project

management. A unified system was essential to streamline these processes, foster better collaboration, and enhance the impact of scientific research and innovation.

# Business **Challenge**

- ▼ **Fragmented Ecosystem:**  
The research and innovation ecosystem was highly fragmented with limited interaction between different stakeholders.
- ▼ **Resource Utilization:**  
Inefficient allocation and utilization of research resources and funding.
- ▼ **Data Silos:**  
Lack of a centralized database for research data, hindering data-driven decision-making and collaboration.
- ▼ **Project Management:**  
Inconsistent project management practices across various research initiatives.
- ▼ **Collaboration:**  
Limited platforms for researchers, industries, and government bodies to collaborate effectively.

## Business **Solution**

The Office of the PSA chose NSEIT to develop the Manthan platform - an integrated ecosystem designed to promote collaboration and innovation. The Manthan platform enhances large-scale collaboration between industry and the scientific research and development community, supporting India's national targets and the United Nations' Sustainable Development Goals (SDGs).



The aim of the platform is to empower various stakeholders to scale up the interactions with researchers/innovators and facilitate R&D/innovation, share challenges focused on emerging

technologies, other scientific interventions, as well as those with a social impact. It also provides an overview of the social impact of science, and technology-based solutions.

Manthan platform is built on 4 pillars:

**Pillar-1:** Opportunity creation that includes a call for early-stage innovation, market-ready innovation, implementation projects, COE, Fellowships, etc.

**Pillar-2:** Submitting proposals for collaboration, R&D and proposals submission against opportunities.

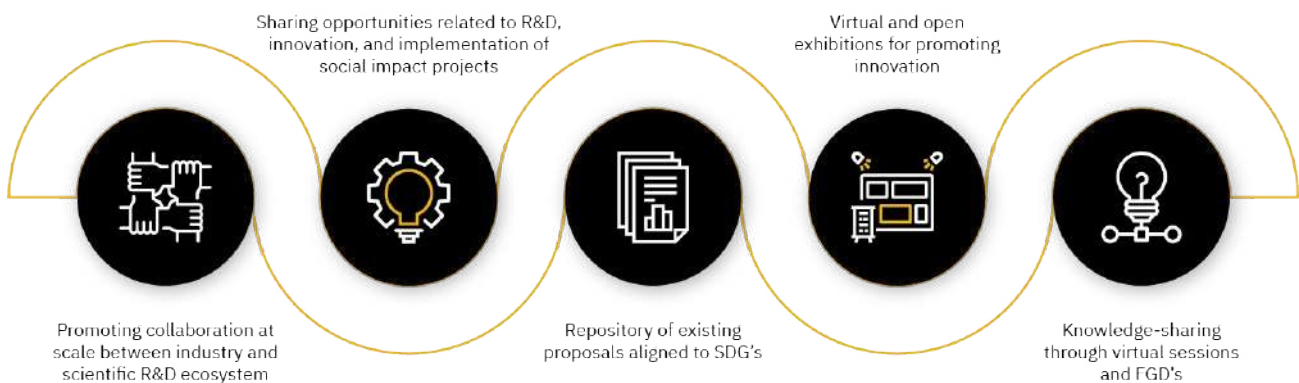
**Pillar-3:** Innovation Exhibition—showcasing innovations like a virtual expo; partners can organise an exhibition.

**Pillar-4:** Conference/Meeting Facility—providing a space for collaboration using virtual meeting rooms for organizing webinars, conferences, stakeholder consultations, etc.

# Key Objectives of **Manthan**

NSEIT Limited is a digital native technology company that engineers world-class solutions to help our global customers accelerate their digital transformation journeys. Our key service pillars are Application Modernization, Business Transformation, Data Analytics, Infrastructure & Cloud Services, and

Cybersecurity, through which we create intuitive digital experiences and tangible business impact. For over two decades, our innate drive for excellence has made us the partner of choice for global organizations. At NSEIT, we fuel digital progress.



# Key Features of **Manthan**

- ▶ **Centralized Platform:** A single platform that integrates various stakeholders, enabling seamless collaboration.
- ▶ **Resource Management:** Efficient management of research resources and funding through a centralized system.
- ▶ **Data Integration:** Integration of research data from various sources to create a centralized database.
- ▶ **Project Management Tools:** Advanced project management tools to standardize and streamline research projects.
- ▶ **Collaboration Tools:** Features such as forums, chat rooms, and collaborative workspaces to enhance interaction among researchers, industries, and government bodies.

## Tech Stack

Web Technologies:



Data Integration:



User Interface:



# Project **Differentiator**

The Manthan platform stands out for its comprehensive integration of stakeholders and resources in the research ecosystem. Its real-time data integration and

collaborative tools set a new benchmark for research management and innovation facilitation in India.

## Business **Impact**

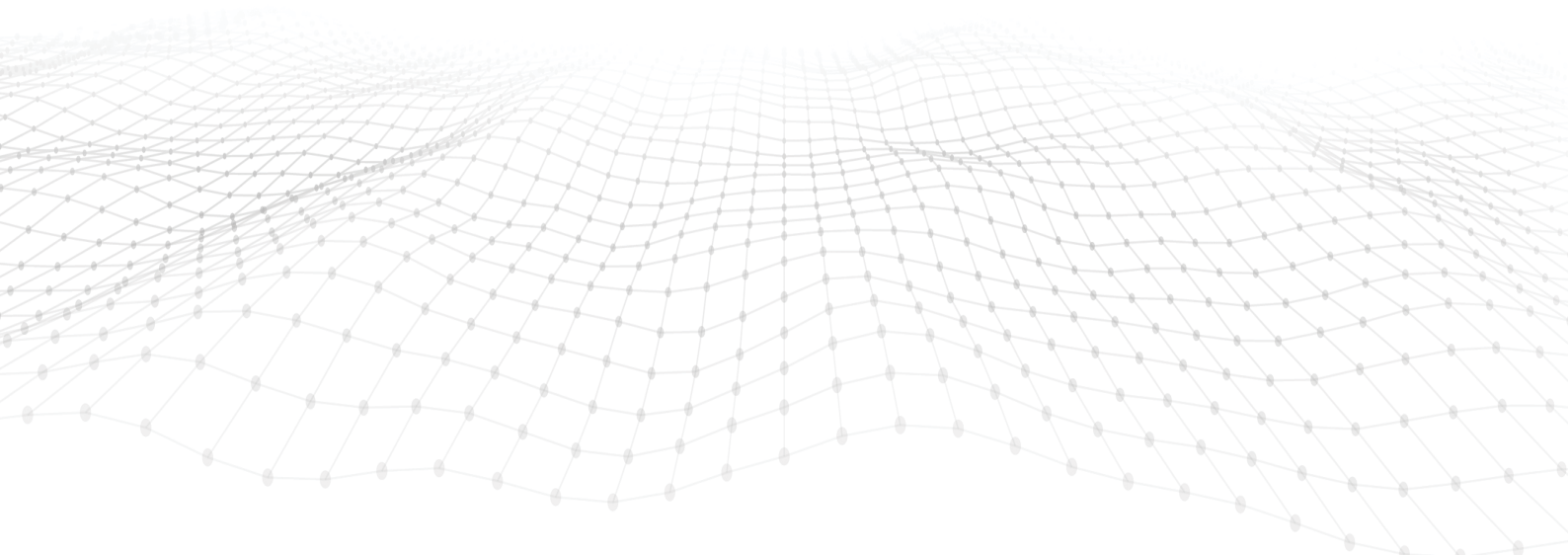
- ▼ **Enhanced Collaboration:**  
Increased collaboration between researchers, industries, and government bodies, leading to more innovative solutions.
- ▼ **Efficient Resource Utilization:**  
Better allocation and utilization of research resources, maximizing the impact of funding and resources.
- ▼ **Data-Driven Decisions:**  
Improved decision-making through access to a centralized database of research data.
- ▼ **Standardized Project Management:**  
Consistent project management practices across research initiatives, enhancing efficiency.
- ▼ **Improved Research Outcomes:**  
Accelerated the pace of research and innovation, contributing to India's scientific and technological advancements.



# Why **NSEIT**?

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