

# India's Demographic Edge: A Race Against Time

## Problem Statement

**Demographic Opportunity & Risk:** India has a large youth population that can drive economic growth if properly harnessed, but neglecting investment could lead to a demographic disaster.

### Key Challenges:

- Gaps in education quality and skill development.
- Limited employment opportunities.
- Inadequate healthcare and infrastructure.

### Potential Consequences (if no action is taken):

- Rising unemployment and economic stagnation.
- Social instability and increased burden on welfare systems.
- Loss of global competitiveness.

**What strategic actions must India take to effectively utilize its youth population and prevent it from becoming a liability in the next 50 years?**

## Objective

- **Identify Key Investment Areas:** Focus on education, skill development, healthcare, and infrastructure to maximize youth potential.
- **Analyze Policy Impacts:** Use system dynamics modeling to study long-term effects of different investment strategies.
- **Highlight Risks & Opportunities:** Show the consequences of inaction and the benefits of timely intervention.
- **Recommend Actionable Solutions:** Provide evidence-based strategies for the government to ensure youth contribute to economic growth.
- **Ensure Sustainable Development:** Create a roadmap for transforming India's youth into a productive workforce, avoiding a demographic crisis.

## Doubts

- How should we introduce a balancing loop?
- How should we relate infrastructure investment with the number of companies?
- How should I include the healthcare investment portion in my model?  
According to research papers investment in healthcare would improve productivity but how do I measure it?
- Currently I plan on using government revenue as a way to show the country's development and prosperity but is there any other factor in which I can show?