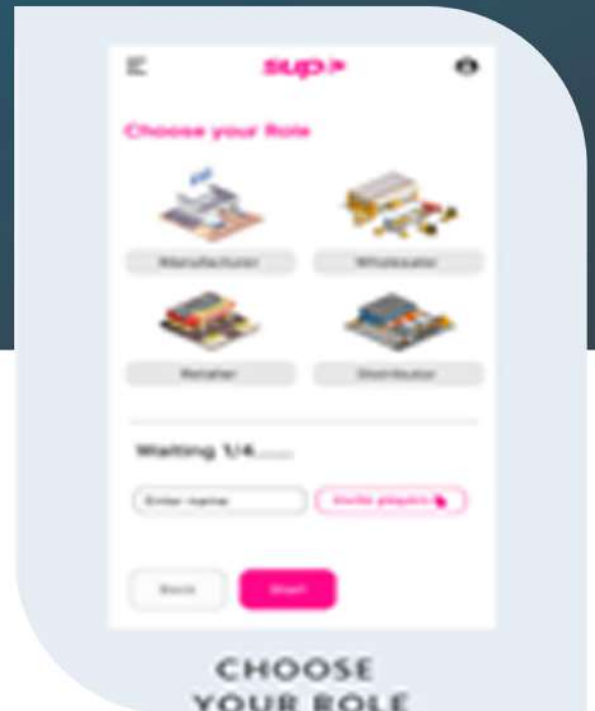


## TECHNOLOGY DEVELOPMENT PROGRAM EDUTECH



### Supply chain simulator

A web-based game to mitigate the bullwhip effect & understand the concept of supply chain management

#### Issue Being Addressed

- ▶ Carbon emission through various sources
- ▶ Equilibrium of the supply chain

#### Key Feature of the Technology/Product /App Which is Being Developed

- ▶ Web-based simulation game
- ▶ Mitigate the bullwhip effect, which creates inventory wastage and monetary losses
- ▶ Primary aim is to optimize the supply chain of carbon emission

#### CPS Relevance

- ▶ Web-based simulations bring real business into classrooms through games, promoting active student engagement, problem diagnosis, information analysis, and implementation planning

#### Impact & Benefits

- ▶ Technology is one of the creative ways to create awareness among students about the working of the supply chain and mitigate the bullwhip effect which is responsible for creating inventory wastage and monetary losses
- ▶ Supply chain simulator with its primary aim is to optimize the supply chain which in turn would result in optimized usage of resources like transportation and manufacturing, subsequently will reduce carbon emissions

#### Team

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- Shiv Nadar Institute of Eminence
- ▶ PI: Divya Srivastava  
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#### Targeted Customers & End Users

- ▶ Students studying supply chain management
- ▶ Researchers, and professionals in the field who want to learn and apply strategies to mitigate the bullwhip effect

#### Commercialization Status

- ▶ NCERT has approached DRISHTI to use such games as a part of their curriculum delivery
- ▶ Part of DRISHTI's iShiksha Simulator Platform

**CHANAKYA UG Fellowship**