

# Smart Multi-Purpose Tractor

Innovation for Modern Farming

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# Problem Statement

- Farmers need multiple machines for farming tasks
- High cost, time, and labor required
- Electricity shortage in rural areas
- Need for ONE affordable solution

# Our Innovation

We designed a single tractor that can:

- Plough land
- Sow seeds
- Irrigate crops
- Generate electricity

# Key Features

- All-in-One Farm Machine
- Power Generation while Farming
- Easy maintenance & controls
- Farmer Friendly | Cost Effective

# Benefits for Farmers

- ✓ Saves time & labor
- ✓ Reduces cost of farming
- ✓ Provides electricity at farm/home
- ✓ Increases crop efficiency & yield
- ✓ Eco-friendly, sustainable farming

# Technical Highlights

- Dual engine operation: Diesel + Electric
- Optional Solar Integration
- Smart hydro system for irrigation
- Low power consumption

# Social & Economic Impact

- Empowers small & marginal farmers
- Increases income & productivity
- Supports rural electrification
- Boosts Atmanirbhar Krishi vision

# Future Scope

- AI integration for crop monitoring
- GPS-enabled precision farming
- Drone connectivity
- Smart IoT sensors for soil health



# Showcase of Our Work

- Prototype in action
- Farmer feedback
- Exhibitions / Events
- Awards & Milestones

# Thank You

“Empowering Farmers → Empowering Nation”

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