



**KAMARAJ IAS ACADEMY**  
Only IAS Academy by Grandson of "Perunthalaivar Kamarajar"

# Semiconductor Manufacturing Boost in India

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Prime Minister Narendra Modi inaugurated the Kaynes Semicon Plant at Sanand in Gujarat, marking a significant step in strengthening India's semiconductor ecosystem and advancing self-reliance in critical technologies.

The facility enables India to become a reliable player in the global semiconductor supply chain and supports sectors like electric vehicles, AI, defence, and electronics.

The initiative is part of the India Semiconductor Mission (2021), under which multiple projects worth over ₹1.6 lakh crore are being implemented across several states.

## Key Highlights

Semiconductor plant inaugurated at Sanand (Gujarat)

Strengthens Make in India, Make for the World initiative

Focus on Intelligent Power Modules (used in EVs & industry)

Part of India Semiconductor Mission (2021)

India aims to become a global semiconductor hub

Semiconductor market expected to grow from \$50 billion to \$100 billion by decade-end

## Additional Facts:

India Semiconductor Mission (ISM) launched in 2021 to promote chip manufacturing and design ecosystem

## Kamaraj IAS Academy

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**Semiconductors are essential for:**

Electronics (mobiles, laptops)

Defence systems

Artificial Intelligence

Electric vehicles

**India is working on Semiconductor Mission 2.0 to develop:**

Semiconductor equipment manufacturing

Raw material ecosystem

Indigenous chip development: “Dhruv-64 microprocessor” for secure applications