

Sudarshana Semiconductors

Deep-Tech Semiconductor & Machine-Learning Systems

Sector: Semiconductors · AI Hardware

Sudarshana Semiconductors builds precision architecture that spans silicon design to machine-learning deployment. The company is deep-tech validated and currently incubated at IIT Madras and IIM Lucknow.

Technical Focus

- semiconductor architecture and digital/ mixed-signal design
- Machine-learning integration at the edge and in compute fabrics
- Design-for-manufacturing and yield-aware methodology

Gonagoor Support Provided

- Seed funding for technology maturation
- Technology foundations and system architecture
- Mathematical concepts for signal integrity and ML performance
- Prototyping, emulation and silicon validation
- Market access and customer-development support
- Grant and funding support for deep-tech programs
- Product development and go-to-market support

Impact & Outcomes

- Validated core semiconductor concept through modelling and review
- Engaged with IIT Madras and IIM Lucknow incubator networks
- Prepared roadmap from architecture to customer pilots

Prepared by Gonagoor Technologies — Where research meets engineering.