## Project Details

### Project Title
Strategy management and policy related to Semiconductor Manufacturing Ecosystem in India

### Project Summary
The semiconductors are integral part of modern human civilization and is the backbone of electronics, communication and information industries. Currently due to shortfall of semiconductor chips, geopolitical reasons and supply chain issues, semiconductors have attained huge attention from the strategic and commercial viewpoints. In India also, the government has realized the importance of establishing a robust and reliable semiconductor manufacturing ecosystem within the country. For that the GoI has announced a USD 10 billion initiative for supporting semiconductor companies in India, and a dedicated Indian Semiconductor Mission (ISM) has been announced under MeitY. Hence it will be of great importance to study the policies that could possibly enable a viable and dynamic semiconductor manufacturing ecosystem in India, and also to define the strategies and management techniques to make it possible keeping in mind the local conditions prevailing in India as far as the semiconductor situation is concerned.

## PhD Supervisors

<table>
<thead>
<tr>
<th>Role</th>
<th>Faculty</th>
<th>Academic Unit in IITD/Institute/University</th>
<th>Email ID (Official)</th>
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</thead>
<tbody>
<tr>
<td>Supervisor 1</td>
<td>Prof. Rajendra Singh</td>
<td>Physics/ EE</td>
<td><a href="mailto:rsingh@physics.iitd.ac.in">rsingh@physics.iitd.ac.in</a></td>
</tr>
<tr>
<td>Supervisor 2</td>
<td>Prof. Sanjay Dhir</td>
<td>Deptt of Mangement Studies</td>
<td><a href="mailto:sanjaydhir@dms.iitd.ac.in">sanjaydhir@dms.iitd.ac.in</a></td>
</tr>
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## Project requirements (Student publications, experience required, etc)

**Qualification:**
B Tech/ BS or M.Sc. in Electrical/Electronics/Physics or related discipline (1st division)

**Experience required**
1. Experience in the management and policy formulation in the area of electronics/semiconductors/device manufacturing etc.

## Source of fellowship/funding
( CSIR/UGC/DBT/ICMR/ICAR/NEET-PG/DST-INSPIRE/IRD/FITT Project details, if any)

Part time PhD student
**Role of Faculty Members involved:**

**Supervisor-1:** Prof. Rajendra Singh – Technical aspects related to Semiconductor technology and manufacturing  
**Supervisor-2:** Prof. Sanjay Dhir – Strategic management and policy studies pertaining to Semiconductor technology and manufacturing