

# JANSONS INSTITUTE OF TECHNOLOGY

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COIMBATORE - 641 659, TAMIL NADU, INDIA  
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## DEPARTMENT OF MECHANICAL ENGINEERING



*Technical Talk on*

# INSIGHT INTO THE SEMICONDUCTOR MANUFACTURING



**Arjun Saravanabhavan**  
Process Engineer at Samsung  
Austin Semiconductor,  
Texas, United States



10 March 2023  
11:00 AM -12:00 PM



Seminar Hall

# Exclusively for Mechanical Engineers



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Coimbatore, Tamil Nadu – 641659  
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## Department of Mechanical Engineering

organises

Technical Talk on

### "Insight into the Semiconductor Manufacturing"

on 10-03-2023

#### AGENDA

10:30 AM	<b>Welcome Address</b> Mr. P. Vignesh, Second Year Mechanical Engineering
10:35 AM	<b>Guest Profile</b> Mr. Dandu Ismail, Second Year Mechanical Engineering
10:40 AM	<b>Keynote Address</b> Mr. Arjun Saravanabhavan, Process Engineer at Samsung Austin Semiconductor, Texas, United States
11:05 AM	<b>Discussion Session</b> Participants of the Session
11:10 PM	<b>Feedback Session</b> Participants of the Session
11:15 PM	<b>Vote of Thanks</b> Mr. P. Vignesh, Second Year Mechanical Engineering

**Student Coordinator**  
(Mr. P. Vignesh, II Mech)

**Faculty Coordinator**  
(Mr.F.Alexander AP/Mech)



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## Event Report

**Title** : Technical Talk on "Insight into the Semiconductor Manufacturing"  
**Date (on)** : 10.03.2023 **Time (from & to)** : 10.30 AM – 11.15 PM  
**Venue** : Seminar Hall  
**Organised by** : Department of Mechanical Engineering  
**Student Activity** : Yes / No

	<a href="https://www.instagram.com/p/CpmGeAkrPo7/">https://www.instagram.com/p/CpmGeAkrPo7/</a>
	<a href="https://twitter.com/JIT_Offll/status/1634051509477310466/photo/1">https://twitter.com/JIT_Offll/status/1634051509477310466/photo/1</a>

## Speaker Details

**Name** : Mr. Arjun Saravanabhavan  
**Designation** : Process Engineer  
**Affiliation** : Samsung Austin Semiconductor, Texas, United States  
**Topic** : Insight into the Semiconductor Manufacturing



## Event Objective

The objective of the event is to provide awareness different opportunities in the field of mechanical engineering and various global insights in the Manufacturing Industry.

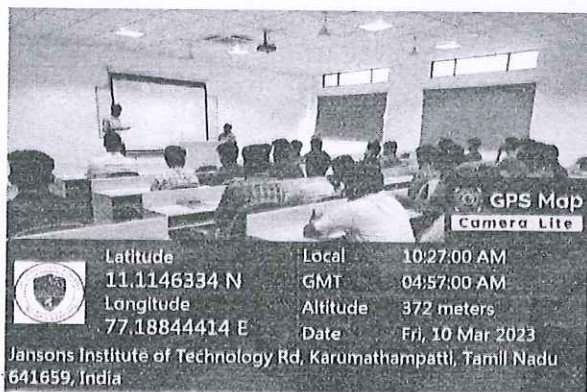
## Event Summary

Semiconductor devices are built up in a series of nanofabrication processes performed on the surface of substrates (wafers) made from highly pure single crystal silicon. To provide the different application of manufacturing and its process, a Technical Talk on "Insight into the Semiconductor Manufacturing" was conducted for the students of Mechanical Engineering, Jansons Institute of Technology on 10.03.2023. Mr. Arjun Saravanabhavan Alumni (2015 Batch), Presently working as a Process Engineer at Samsung Austin Semiconductor, Texas, United States was acted as a resource person for the session and the event was organized by Department of Mechanical Engineering. The session was started with a welcome address delivered by Mr.P.Vignesh of Second year Mechanical Engineering. Mr. Dandu Ismail of Second year Mechanical Engineering unveiled the guest profile to the participants. The Session was felicitated by the resource person and his presentation was focused on Semiconductor Manufacturing. How chips are made that power the laptop and cell phones, Real-time Applications, Manufacturing process were elaborated clearly. Further, he explained about Overview and Roadmap of chips with the wafers structure, Flow and Applications of chips and fabs facilities in Abroad and India. Participants clarified their doubts related to the topic and shared their feedback about the session, which was interesting and ignited the technical knowledge of manufacturing towards the global perspective.



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## Event Photographs



Welcome address delivered by Mr. P.Vignesh, Second year Mechanical Engineering



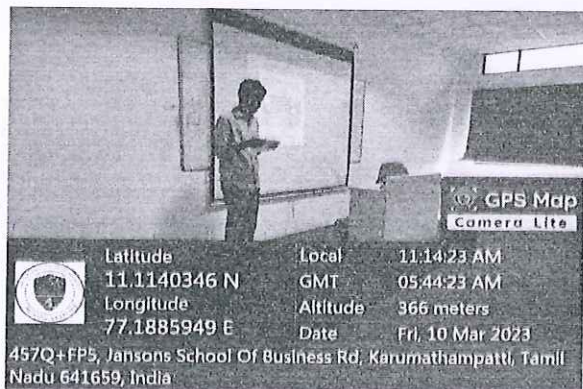
Presentation by the Guest on the topic : Insight into the Semiconductor Manufacturing



Explanation to the doubts asked by the participants of the session



Participants of the Technical Talk Session



Vote of Thanks delivered by Mr. P.Vignesh, Second year Mechanical Engineering




Feedback about the Technical Talk after the presentation by the guest

## Event Outcomes

Students will be aware of the global opportunities and enhance the skills towards the Industrial need in the field of manufacturing.



  
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### Event Feedback


How would you rate the event in terms of preparation, flow, and content?	<p>Excellent  78.80%</p> <p>Very Good  16.02%</p> <p>Good  5%</p> <p>Fair </p>
The event planning and execution related to the topic?	<p>Strongly Agree  63.80%</p> <p>Agree  32.50%</p> <p>Neutral  3.70%</p> <p>Disagree </p>
The content and activities of the event has increased my knowledge.	<p>Strongly Agree  57%</p> <p>Agree  40.50%</p> <p>Neutral  2.50%</p> <p>Disagree </p>
Overall experience of the event.	<p>Very Satisfied  77.50%</p> <p>Satisfied  21.30%</p> <p>Neutral  1.20%</p> <p>Dissatisfied </p>
Suggestion for Improvements (If any)	-

### No. of Participants / Benefices

Total (Participants / Benefices)	Students	Teaching Faculty	Students (Outside institution)	Teaching Faculty (Outside institution)
30	26	04	-	-

Date of report submission: 11.03.2023

  
**Student Coordinator**  
 (Mr. P. Vignesh, II Mech)

  
**Faculty Coordinator**  
 (Alexander AP/Mech)

  
**Head of Department**  
 (Dr.M.Muthukumar)

  
**Principal**



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Technical Talk on

## "Insight into the Semiconductor Manufacturing"

on 10-03-2023

### PARTICIPANTS ATTENDANCE

The following students and teaching faculties participated in the Technical Talk on "Insight into the Semiconductor Manufacturing"

Sl. No.	Register No.	Name	Year & Department	Attendance
1	71120114307	VIGNESH P	II / MECH	
2	71120114025	SHATHRAK.K	III - MECH	
3	71120114029	Vishal.SK	III - Mecht	
4	71120114301	T.K.V. AKASH	III - Mech	
5	71120114202	J. Jeyan Arun	III - Mech	
6	71120114001	A Sai babu	III - Mech	
7	71120114005	E. Naveen	III - Mech	
8	71120114030	Y. C. V. Mahendra	III - Mech	
9	71120114024	S. Suleman	III - Mech	
10	71120114002	A. Sudheer	III - mech	
11	71120114012	P. Ganesh Naik	III - mech	
12	71120114303	P. Karthick	III - mech	
13	71120114006	GOKUL KRISHNA.V	III - mech	
14	71120114007	Gr. sethobala sai srinivas Reddy	III - mech	
15	71120114004	D. Balaji Ganesh Varma	III - mech	
16	71120114029	V. Vishlesh	III - mech	
17	71120114005	G. Vinay	III mech	
18	71120114004	D. Imail	II mech	
19	71120114012	R. Bharath Yadav	II mech	
20	71120114009	K. Harisavardhan Reddy	II Mech	
21	71120114016	P. Chethanya Kumar Reddy	III - mech	

Faculty Coordinator  
(Mr. F. Alexander AP/Mech)



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