



**Report of Industrial Visit to ‘SCL Mohali’ organized by ECE department of JUIT on 14 May**

**2025**

The department of Electronics & Communication Engineering (ECE), JUIT Waknaghat organized an industrial visit to Semiconductors Limited (SCL) Laboratory situated at Mohali (Punjab) for UG/PG/Phd students of ECE discipline on 14-05-2025. This activity has been coordinated by Prof. Rajiv Kumar (HoD, ECE), Dr. Naveen Jaglan (Associate Professor, ECE) and Dr. Pardeep Garg (Assistant Professor, ECE). 35 students studying in UG/PG/Phd programmes of ECE department got the opportunity for this industrial visit. Also, Dr. Ajay Kumar Singh (Sr. Lab Engg. of ECE department) became the part of this useful industrial visit.

The visit was started by the SCL officials with welcoming of the JUIT team and showcasing a presentation of SCL in their auditorium in which they discussed the whole functioning of SCL, the plant layout etc. Also, they told that SCL is an autonomous society under the Ministry of Electronics and Information Technology (MeitY) with more than 40 years of experience as a semiconductor Integrated Device Manufacturer (IDM). SCL currently operates 2 wafer fabrication lines – 8” CMOS at 180 nm node and 6” MEMS with a combined capacity of approximate 750 Wafer Starts per Month (WSPM). Over 200 of types of CMOS devices can be made by SCL's wafer fabrication facilities. SCL undertakes activities pertaining to design, fabrication, assembly & packaging, testing and quality assurance of silicon CMOS and MEMS devices for various applications. In addition, it also has a compound semiconductor research facility. SCL also houses design capabilities spanning across Analog, Logic, Power Management, Opto-Electronics, Data Converters, Sensors, Radiation Hardening and other devices. It also has a fully functioning ceramic line Testing, Assembly & Packaging unit, adhering to MIL standards, and includes capabilities such as multi-chip packaging, MEMS packaging and fine pitch bonding. SCL makes products for ISRO, DRDO, BARC, BAL etc.

Then, SCL officials took JUIT team to the plant visit and showed the functioning of Post Fabrication unit (Dicing unit, Testing unit etc.) and Fabrication unit for VLSI chips & MEMS devices. The JUIT team discussed the probable Internships, placement opportunity for their ECE students. This visit gave a wonderful exposure to JUIT team in the emerging area of



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Semiconductors/VLSI field. The JUIT team thanked the company officials, their HR Manager for the visit.

A few glimpses of the visit are as follows:







The list of students who attended this industrial visit is as follows:

S. No.	Enrolment Number	Name of the Student	Degree
1	241040013	SHIKHAR GUPTA	UG
2	241040012	T KUMAR YASH	UG
3	241040010	DHANISTHA SHARMA	UG
4	241040003	ANANT TIWARI	UG
5	241040011	SUGANDHA NAMDEV	UG
6	241040002	PRIYANJALI	UG
7	241040004	ASHUTOSH SAKLANI	UG
8	241040006	RUDRAKSH	UG
9	241040014	ARYAN	UG



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10	241040008	UTKARSH	UG
11	241041003	ABHINANDIT SINGH SAUNKHLA	UG
12	241041006	AADITYA DUDEJA	UG
13	241041004	ASTIK PAREEK	UG
14	241041005	VANSH THAKUR	UG
15	241041009	AKSHAT DUBEY	UG
16	241041007	KANAK SHARMA	UG
17	241042002	RISHAV RAJ	UG
18	241042003	ADITYA NARAYAN SINGH	UG
19	241042001	RAHUL KUMAR	UG
20	231042001	Prakhar Kulshrestha	UG
21	231040001	Aaryan Sharma	UG
22	221040001	Sambhav Thakur	UG
23	221040004	Rishabh Thakur	PG
24	221040005	Parth Gupta	PG
25	235042001	Tanishk Thakur	PG
26	235042002	Naresh Rana	PG
27	235042003	Rishika Goel	PG
28	245040001	Amit Kumar	PG
29	245040002	Superb Rialch	PG
30	245040004	Sahil Sharma	PG
31	245040005	Manish Sahjehta	PG
32	246001	Shilpa Kaushal	PG
33	246002	Anmol	PG
34	236001	Shalini Bhickta	PG
35	236002	Ritika Rattan	PG