

# JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY WAKNAGHAT, P.O. – WAKNAGHAT,

TEHSIL - KANDAGHAT, DISTRICT - SOLAN (H.P.) PIN - 173234 (INDIA) Phone Number- +91-1792-257999



(Established by H.P. State Legislature vide Act No. 14 of 2002)

# 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:

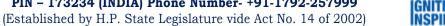






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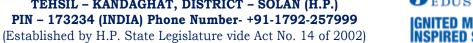
The list of students who attended this industrial visit is as follows:

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



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10	241040000	UTKARSH	UG
10	241040008	+	
11		ABHINANDIT	UG
	241041002	SINGH	
12	241041003	SAUNKHLA AADITYA	UG
12	241041006	DUDEJA	UG
13	241041000	ASTIK	UG
13	241041004	PAREEK	UG
14	241041004	VANSH	UG
14	241041005	THAKUR	UG
15	241041003	AKSHAT	UG
13	241041009	DUBEY	UG
16	241041009	KANAK	UG
10	241041007	SHARMA	UG
17	241042002	RISHAV RAJ	UG
18	Z41U4ZUUZ	ADITYA	UG
10		NARAYAN	UG
	241042003	SINGH	
19	241042003	RAHUL	UG
19	241042001	KUMAR	UG
20	231042001	Prakhar	UG
20	231042001	Kulshrestha	OG
21	231040001	Aaryan Sharma	UG
22	221040001	Sambhay	UG
22	221040001	Thakur	OG
23	221040004	Rishabh	PG
23	221040004	Thakur	10
24	221040005	Parth Gupta	PG
25	235042001	Tanishk	PG
	200012001	Thakur	. 0
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		Manish	PG
	245040005	Sahjehta	
32	246001	Shilpa Kaushal	PG
33	246002	Anmol	PG
34	236001	Shalini Bhickta	PG
35	236002	Ritika Rattan	PG
	223002		