

**Attendance for MoE/SICI Sponsored 2-Day Workshop on
"Nanoelectronics & VLSI"**

Sno	Regno	Student	PROGRAM Type	2/11/2021	2/12/2021
1	1740621	SHUBHI SHARMA	UG	Present	Present
2	1740622	APURVA AKRITI	UG	Present	Present
3	1740627	NAVNEET KUMAR RATNAKAR	UG	Present	Present
4	1740630	MD. REYAZUDDIN	UG	Present	Absent
5	1740632	SUJAY KUMAR	UG	Present	Present
6	1740633	SACHIN KUMAR	UG	Present	Absent
7	1830281	UTKARSHA KUMARI	UG	Absent	Present
8	1830282	PRITY KUMARI	UG	Present	Present
9	1830283	MALVIKA ROY	UG	Present	Present
10	1830284	SNEHA JHA	UG	Absent	Absent
11	1830285	PRIYA PALLAVI	UG	Present	Present
12	1830286	MADHU KUMARI	UG	Present	Present
13	1830287	DEEP MALA	UG	Present	Present
14	1830288	SHARDA KUMARI	UG	Present	Present
15	1830289	SHUBHAM SINHA	UG	Present	Present
16	1830290	AJAY KUMAR	UG	Present	Present
17	1830291	HARSH RAJ	UG	Present	Absent
18	1830293	ATUL MOHAN JHA	UG	Present	Present
19	1830294	VIKARSH KUMAR RAO	UG	Present	Present
20	1830295	ABHIRAJ VERMA	UG	Present	Present
21	1830296	SATYAM KUMAR	UG	Present	Present
22	1830297	SOUJANYA KALITA	UG	Present	Present
23	1830298	PRANJAL GUPTA	UG	Present	Present
24	1830299	MANISH KUMAR JHA	UG	Present	Present
25	1830300	PRERNA	UG	Absent	Present
26	1830301	ADARSH SHUBHAM	UG	Present	Present
27	1830302	HARSH CHAURASIA	UG	Present	Present
28	1830303	ANKIT KUMAR	UG	Present	Present
29	1830304	ADARSH KARN	UG	Present	Present
30	1830305	BITTU KUMAR	UG	Present	Present
31	1830306	ANKIT KUMAR	UG	Present	Absent
32	1830307	PRAKALP SHARMA	UG	Present	Present
33	1830308	NITISH SURYAN	UG	Present	Present
34	1830310	NISHAR TIWARI	UG	Present	Present
35	1830389	SHER KHAN	UG	Present	Present
36	1830394	MD SALMAN	UG	Present	Present
37	1830851	NIDHI JHA	UG	Present	Present
38	1840074	N V RAGHAVENDRA	UG	Present	Present
39	1930074	SHUBHAM	UG	Present	Present
40	1930078	BHAVESH SINGH JADON	UG	Present	Present

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41	1931501	SAKSHAM GOPAL SINGH	UG	Present	Present
42	1931502	SHWETANK RAMAN	UG	Present	Present
43	1931503	ALOK KUMAR	UG	Present	Present
44	1931504	ANSHU KUMAR	UG	Present	Present
45	1931505	SONU KUMAR	UG	Present	Present
46	1931506	RICHA RAI	UG	Present	Present
47	1931507	POOJA RANI	UG	Present	Present
48	1931508	VISHAL ANAND	UG	Present	Present
49	1931509	NIKHIL KUMAR CHAUDHARY	UG	Present	Present
50	1931510	SURUCHI	UG	Present	Present
51	1931511	SUVRADIP PAUL	UG	Present	Present
52	1931512	KUMAR SAURAV	UG	Present	Present
53	1931513	AVINASH	UG	Present	Present
54	1931514	SHREYA JHA	UG	Present	Present
55	1931515	RUPESH KUMAR THAKUR	UG	Present	Present
56	1931516	APARNA SHIVANI	UG	Present	Present
57	1931517	PRACHI JHA	UG	Present	Present
58	1931518	SALONI RANJAN	UG	Present	Present
59	1931519	SUMIT KUMAR	UG	Present	Present
60	1931520	SHIVANI JHA	UG	Present	Present
61	1931521	ANISH RAJ	UG	Present	Absent
62	1931522	SAUMYA SHREE	UG	Present	Present
63	1931523	GAURAV KUMAR	UG	Present	Present
64	1931525	PRACHI KUMARI	UG	Present	Present
65	1931526	DEEKSHA SHARMA	UG	Present	Present
66	1931527	MANPREET KAUR	UG	Present	Present
67	1931528	SUBHASH KUMAR	UG	Present	Present
68	1931529	AYUSH KUMAR SRIVASTAVA	UG	Present	Present
69	1931530	GOPAL SINGH SOLANKI	UG	Present	Present
70	1931531	AKSHAY KUMAR	UG	Present	Present
71	1931534	VIKAS KUMAR	UG	Present	Present
72	1840051	PRADHYUMAN JOSHI	UG	Present	Present
73	1840054	PRASHANT KUMAR	UG	Present	Present
74	1840059	UTKARSH YADAV	UG	Absent	Present
75	1840061	DHANESH KUMAR	UG	Present	Present
76	2050301	MOHAMMAD SALIM	PG	Present	Present
77	2050305	SUMIT KUMAR	PG	Present	Present
78	2050306	SHWETA KUMARI	PG	Present	Absent
79	1950053	VIVEK KUMAR	PG	Present	Present
80	1950054	ANCHAL	PG	Absent	Present
81	1840068	RAHUL CHAUDARY	UG	Present	Present
82	1840069	SAHARSH KUMAR	UG	Absent	Present
83	1840070	SAMEER RAJ	UG	Present	Present
84	1840071	PANKAJ KUMAR	UG	Present	Present
85	1840072	PRAVIN KUMAR	UG	Present	Present
86	1840073	AMRESH KUMAR	UG	Present	Absent

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**list of registered students for MoE/SICI Sponsored
2-Day Workshop on "Nanoelectronics & VLSI"**

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MoE/SICI Sponsored
(Online)
WORKSHOP
ON
Nanoelectronics & VLSI
(February 11- 12, 2021)



ORGANIZED BY

Sant Longowal Institute of Engineering & Technology

(Deemed to be University under MHRD, Govt. of India)

**Longowal, Distt. Sangrur-148106
Punjab (India).**

Course Coordinator

Pankaj Kumar Das
Electronics & Communication Engg.
Department,
Sant Longowal Institute of Engg. & Tech.,
Longowal.
Deemed to be University (Established by
Govt. of India)
District: Sangrur (Punjab) 148106, India.

INSTITUTE

Sant Longowal Institute of Engineering & Technology (SLIET), Deemed to be University, has been established and funded by MHRD, Government of India in 1991, to provide technical education in emerging areas of Engineering and Technology. The institute caters to the technical manpower requirements at various levels by adopting a concept of a modular system in imparting professional education with an emphasis on practical training in the industry. The study programmes include various courses at Integrated Certificate and Diploma, Degree, M.Tech & Ph.D levels in 11 departments of Engineering, Science and Technology. The Institute has come up beautifully in a sprawling green area of 451 acres, with many topographically featured picturesque landscape and presents spectacle of harmony and natural beauty, embedded with all the amenities required for a complete township.

LOCATION AND WEATHER

The Institute is located at Longowal village and is connected by road with Sangrur (18 km), Sunam (18 km), Barnala (30 km), Patiala (80 km), Ludhiana (110 km) and Chandigarh (150 km). The nearest railway stations are Sangrur (18 km), Sunam (18 km), Barnala (30 km) and Dhuri (35 km). The nearest airport is at Chandigarh. The month of February is winter season and temperature ranges from 20°C to 22°C.

SHASTRI INDO-CANADIAN INSTITUTE

The Shastri Indo-Canadian Institute is a binational organization that promotes understanding between India and Canada through academic activities and exchanges. The institute support the creation of binational links between academia, government, the business community and civil society organizations by funding research and hosting seminars. The Shastri Institute is funded by and partners closely with government bodies in both India and Canada. The Institute aims to achieve gender equality and reduce poverty by focusing programming on sustainable development and other United Nations Millennium Development Goals.

ABOUT THE WORKSHOP

Semiconductor devices are the basic building blocks of integrated chips (ICs). Due to the rapid development of semiconductor technology, the dimensions of the electronic devices are shrinking and the density of transistors have increased in the ICs which enables multiple features and functionalities in the electronic gadgets where energy, power, speed and area are the important design metrics. The proportionate change in the device dimensions in the nanometer regime also faces several challenges, worldwide. The nanoscale devices need quantum mechanics in order to model and understand the device behavior. Hence, this workshop will focus on various aspects of Nano-electronic devices and the possibility of circuits and system design.

EXPECTED OUTCOMES

In the current era of Nanoelectronics & VLSI semiconductor devices have been developed along with manufacturing technologies to improve the yield of semiconductor devices. The proposed workshop is planned for UG & PG students of the institute. After attending this workshop students have the broad exposure about the various aspect of Nano-electronics & VLSI Design from device level to low-power circuits & systems. Further, students can aware about the latest trends and dimensions in nano-electronics such as spintronics, GaN and SiC devices. Enabled the participants in the field of Electronics and Communication Engineering to introspect and learn techniques that help them for active and successful participants in a knowledge society. Enhanced the PG students' effectiveness in research and learning in the field of nano-electronics & VLSI design, modeling and simulation of device and circuits.

RESOURCE PERSONS

- 1) **Dr. Pankaj Kumar Pal**, Assistant Professor
Department of ECE, NIT Utrakhnad
- 2) **Dr. Praveen Prajapati**, Associate Professor,
Department of ECE, A. D. Patel Institute of
Technology, Gujarat
- 3) **Er. Pankaj Kumar Das**, Assistant Professor
Department of ECE, SLIET Longowal
- 4) **Er. Swapnil Gaul**, Founder and Director
Numergion Technology (OPC) PVT LTD,
PUNE Maharashtra-411014Praveen

REGISTRATION

The registration will be done online using the following link. The link is also available at <http://sliet.ac.in/>

Link for Registration:

<https://forms.gle/qff7QAvcM9BZ7Aof6>

No registration fees for the students from Indo-Canadian Institutes.

Course Contents

- Basics About Nanoelectronics
- Carbon Nanotubes Interconnect Design
- Nano antenna Design
- Challenges in Electronic System Design
- Recent Issues in VLSI Design
- Importance of Interconnects in System Design
- Importance and effective communication of e-Resources.

ELIGIBILITY:

The workshop is open to Degree and PG Students of the institute/ Indo-Canadian Institute.

The number of participants for the course is limited to sixty (60) on a first-come, first-serve basis.

MODE OF CONDUCTION

The workshop will be conducted on a suitable online platform. All the participants who will attend all the workshop will be issued e-certificates post successful verification of the attendance.

REGISTRATION

The registration will be done online using the following link. The link is also available at <http://sliet.ac.in/>

Link for Registration:

<https://forms.gle/qff7QAvcM9BZ7Aof6>

No registration fees for the students from Indo-Canadian Institutes.

IMPORTANT DATES

Last date for registration: February 10, 2021

Notification of selection: February 10, 2021

ADVISORY COMMITTEE

**Chief Patron: Prof. Shailendra Jain, Director
SLIET Longowal**

**Patron: Prof. Prachi Kaul, Director, SICI
Prof. A. S Arora, Dean (Academics)**

**Chairman: Prof. Surinder Singh,
HOD(ECE), SLIET Longowal**

**SICI Member Representative: Prof. Surita
Maini, SLIET Longowal**

**Coordinator: Er. Pankaj Kumar Das, SLIET
Longowal**

Address for correspondence

Coordinator:

Er. Pankaj Kumar Das, A.P. (ECE)

**Sant Longowal Institute of Engineering and
Technology, Longowal, Sangrur, Punjab-
148106**

Ph. No. 9478214936, 9463122255

E-mail.: pankajkdas@sliet.ac.in



*The Department of Electronics & Communication Engineering
Sant Longowal Institute of Engineering & Technology, Longowal*

*Solicit your benign presence on the occasion of
Inaugural Ceremony of the
MoE/SICI Sponsored Two Days Online Workshop
on*

Nanoelectronics & VLSI

*Prof. Shailendra Jain, Director, SLIET Longowal
has kindly consented to be the Chief Guest of the function*

R.S.V.P

Organizing Committee of the Programme

Inaugural Ceremony, February 11, 2021

<i>10:00-10:05 AM</i>	<i>Initiation of the inaugural ceremony of the online workshop, by Er. Pankaj Kumar Das, Programme Coordinator, SLIET, Longowal</i>
<i>10:05-10:10 AM</i>	<i>Welcome address by Prof. Surinder Singh, Chairman (Workshop), SLIET, Longowal</i>
<i>10:10-10:20 AM</i>	<i>Address by SICI Member representative</i>
<i>10:20-10:30 AM</i>	<i>Address by Dean (Academics) SLIET Longowal</i>
<i>10:30-10:40 AM</i>	<i>Address by Sponsor, Director, SICI</i>
<i>10:40-10:50 AM</i>	<i>Inaugural Address by the Chief Guest</i>
<i>10:50-10:55 AM</i>	<i>Vote of thanks by Er Pankaj Kumar Das, Coordinator (Workshop), SLIET, Longowal</i>

The event will be compered by Er Pankaj Kumar Das, AP (ECE).



MoE/SICI Sponsored

Two Days Online Workshop

on

Nanoelectronics & VLSI

February 11th -12th, 2021

Organized by

***Department of Electronics & Communication Engineering,
SLIET Longowal***

Programme Schedule

<i>February 11th, 2021</i>	
<i>10:00 AM to 10:55 AM</i>	<i>Inauguration</i>
<i>11:00 AM to 01:00 PM</i>	<i>Speaker: Dr. Praveen Prajapati</i> <i>Associate Professor, Department of ECE, A. D. Patel Institute of Technology, Gujarat</i> <i>Topic: Basics of Design of Nano Antennas</i>
<i>02:00 PM to 04:00 PM</i>	<i>Speaker: Dr. Pankaj Kumar Pal, Assistant Professor Department of ECE, NIT Uttrakhand</i> <i>Topic: Basics of Nanoelectronics and VLSI Design</i>
<i>February 12th, 2021</i>	
<i>10:00AM to 11:00AM</i>	<i>Speaker: Er. Pankaj Kumar Das</i> <i>Assistant Professor, Department of Electronics & Communication Engineering, SLIET Longowal</i> <i>Topic: Carbon Nanotube as Global VLSI Interconnects</i>
<i>11:00AM to 01:00 PM</i>	<i>Speaker: Er. Swapnil Gaul,</i> <i>Founder and Director Numergion Technology (OPC) PVT LTD, PUNE Maharashtra-411014</i> <i>Topic: Advanced simulation based virtual lab: MyTaraNG Cloud</i>
<i>01:00 PM to 01:30 PM</i>	<i>Feedback and Vaedictory</i>