

LAND USE ANALYSIS, SLIET, LONGOWAL

LOCATION

- SLIET is located 19 kilometres (12 miles) east of Sangrur. It is situated on 447 acres (183 Ha) of land provided by the Punjab government. The property is landscaped and well maintained to provide for an aesthetically pleasing environment.
- Longowal is a town with municipal council in Sangrur district in the Indian state of Punjab. Longowal is unique in the history of East Punjab. Longowal is located at (Location: 30°21'67" N AND 75°69'33" E). It has average elevation of 232 meter.

CAMPUS AREA

- The college has a sprawling pollution-free campus spread over 447 acres of land. Located in the region known as Malwa in agricultural state of Punjab.

(BUILT-UP AREA ANALYSIS)

The total area of SLIET, Longowal is 18,09,000 m² (447 Acres) out of which the built up area (including roads) is 14.3 % (i.e. 2,58,308.64 m²) and plantation area is 85.7 % (i.e. 15,50,691.36 m²).

<i>CATEGORIES OF LAND USE</i>	<i>AREA (m²) (%)</i>
PLANTATION AREA	15,50,691.36 (85.70)
BUILT UP AREA (INCLUDING ROADS)	2,58,308.64 (14.30)
TOTAL AREA	18,09,009.00 (100.00)

TABLE-1 AREA OCCUPIED BY VARIOUS BUILDINGS AT SLIET, LONGOWAL

SR. NO	NAME OF BUILDING	NUMBER OF FLOORS	AREA (M2)
1.	Administrative Block (Main building)	03	2,710.00
2.	Academic Block	03	54,148.64
3.	Auditorium	01	2,375.00
4.	Hostel Buildings	03	62,064.15
5.	Residential Buildings	03	38,995.37
6.	Other Buildings	03	7,015.48
7.	Roads	01	91,000.00
		TOTAL AREA	2,58,308.64

ESTABLISHMENT OF UNIVERSITY

Sant Longowal Institute of Engineering & Technology (SLIET) has been established by the Government of India and it is Centrally Funded Technical Institute (CFTI), which provides technical education in emerging areas of Engineering & Technology. The institute was set up in 1989 under Rajiv Gandhi-Longowal accord with an aim to fulfil the cherished dreams of Late Sant Harchand Singh Longowal. However, the Institute has acquired the status of DEEMED- TO- BE - UNIVERSITY in the year 2007 (Notification No.F.9-42/2001-U.3).



Infrastructure Details – Academic Buildings

Breakup details of Smart Class Rooms in Academic Buildings at SLIET, Longowal					
Name of Building	Smart Class Room	Building wise smart class room	Size (in mtrs.)	Total Area (in sqm.)	Remarks
Science Block	Hall-I	6	9.30 x 5.77	53.66	
	Hall-III		9.30 x 5.77	53.66	
	Hall-V		9.30 x 5.77	53.66	
	Hall -IV		8.90 x 9.24	82.24	
	Hall -VI		8.90 x 9.24	82.24	
	Hall-VIII		8.90 x 9.24	82.24	
Mechanical Block	LM-6	2	6.95 x 11.15	77.49	
	M-310		8.85 x 9.19	81.33	
Food & Chemical Block	LCF-IV	4	8.15 x 8.85	72.12	
	LCF-I		8.70 x 8.15	70.90	
	LCF-V		8.80 x 8.15	71.72	
	Hall-III		8.15 x 8.75	71.31	
Computer Block	LC-VI	2	8.72 x 9.20	80.22	
	LC-V		8.68 x 8.70	75.51	
ECE Block (Old)	E-333	2	9.00 x 9.30	83.7	
	E-329		8.88 x 9.27	82.31	
ECE/EIE (New)	EE-104, EE-105, EE-106, EE-125, EE-126, EE-128, EE-204, EE-225, EE-226, EE-228	10	12.6 x 10	1260	
Total Smart Class Room		26			

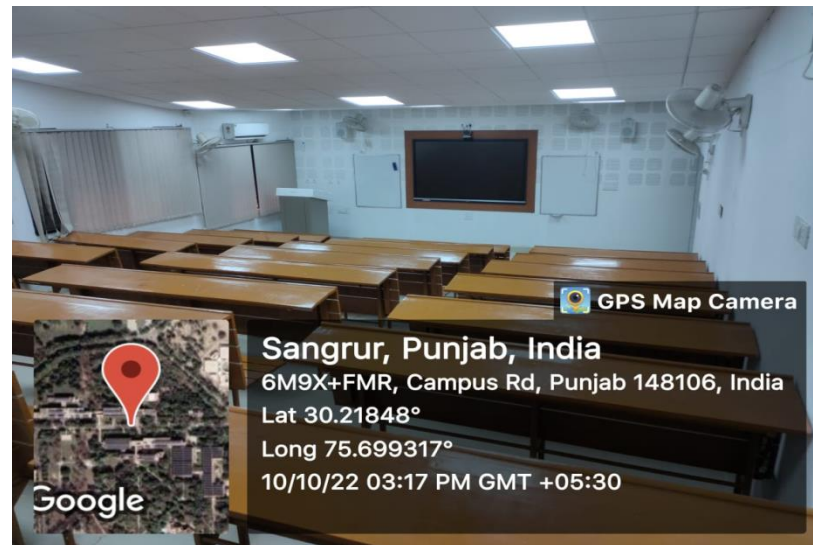
SMART CLASS ROOM (EIE)/(ECE)



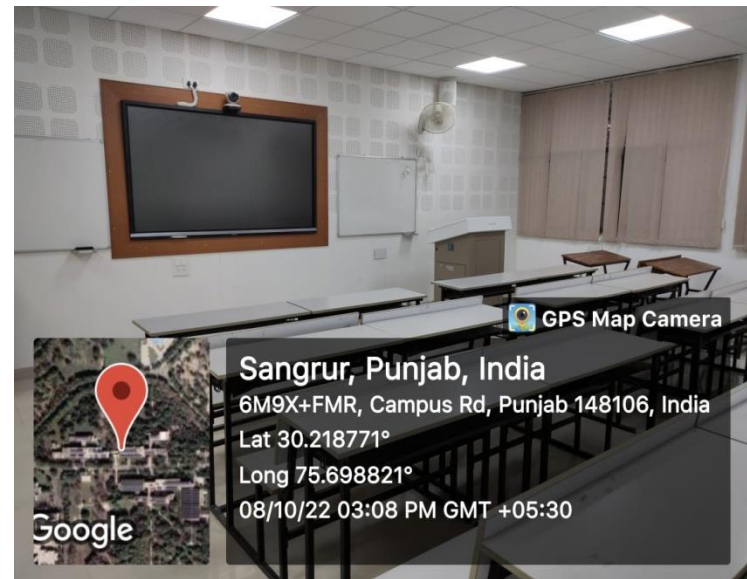
SMART CLASS ROOM (NEW EIE)



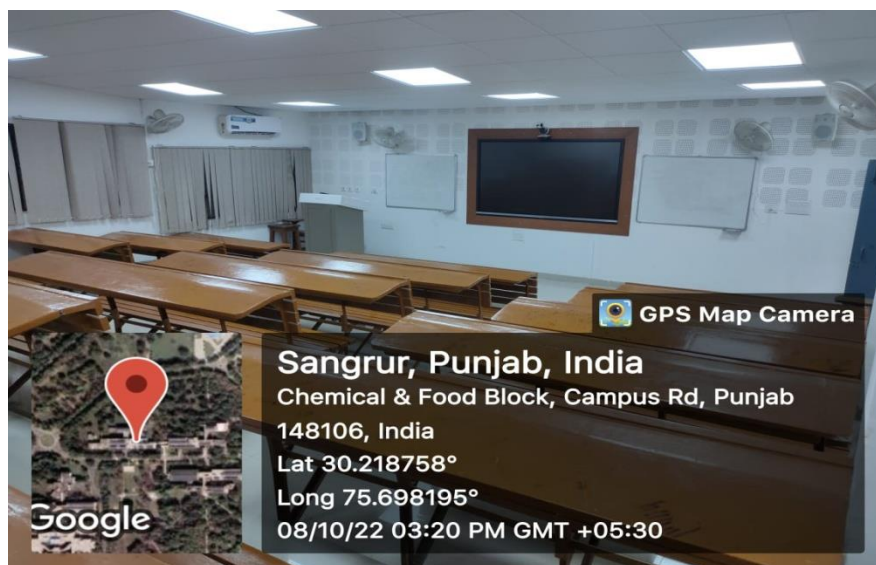
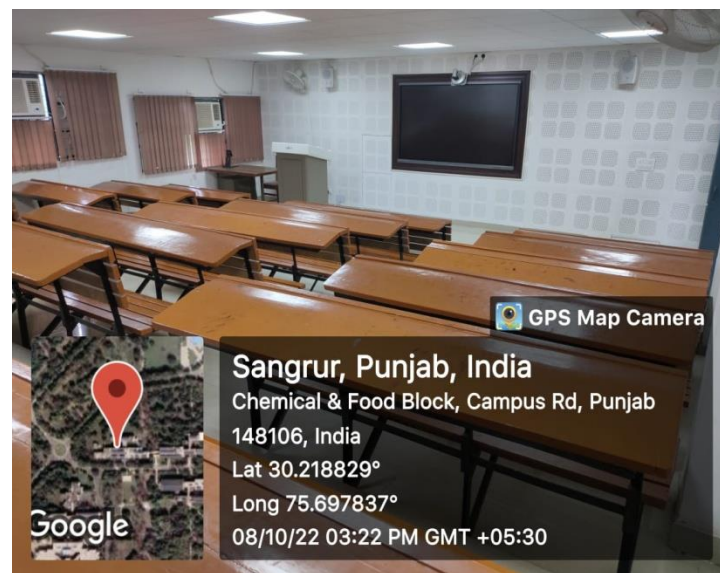
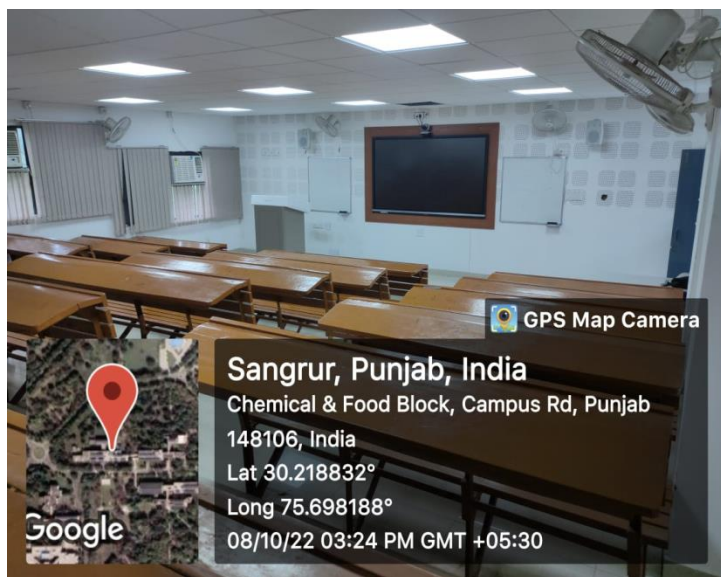
SMART CLASS ROOM (MECH BLOCK)



SMART CLASS ROOM (SCIENCE BLOCK)



SMART CLASS ROOM (CHEMICAL BLOCK)



SMART CLASS ROOM (CSE BLOCK)



SMART CLASS ROOM (T&P)



Name of Department	Laboratories	The link for additional information
Computer Science and Engineering Department	Information Technology (IT) Lab	http://cs.sliet.ac.in/laboratories/information-technology-lab/
	Edusat Lab	http://cs.sliet.ac.in/laboratories/
	Software Engineering & Programming-I	http://cs.sliet.ac.in/laboratories/software-engineering-and-programming-lab/
	Software Engineering & Programming-II	http://cs.sliet.ac.in/laboratories/
	Emerging Technologies Lab	http://cs.sliet.ac.in/laboratories/emerging-technology-lab/
	Networking Lab	http://cs.sliet.ac.in/laboratories/networking-lab/
	Desktop Publishing Lab	http://cs.sliet.ac.in/laboratories/desktop-publishing-lab/
	Linux Lab	http://cs.sliet.ac.in/laboratories/linux-lab/
	Microprocessor Lab	http://cs.sliet.ac.in/laboratories/microprocessor-lab/
	Windows Lab	http://cs.sliet.ac.in/laboratories/windows-lab/
	Hardware Lab	http://cs.sliet.ac.in/laboratories/hardware-lab/
	Advanced Information Technology (AIT) Lab	http://cs.sliet.ac.in/laboratories/ait-lab/
	Post Graduation Lab	http://cs.sliet.ac.in/laboratories/post-graduation-lab/

Name of Department	Laboratories	The link for additional information
Chemical Engineering Department	Computer Lab.	http://ct.sliet.ac.in/laboratories/computer-lab/
	Chemical Technology Lab	http://ct.sliet.ac.in/laboratories/chemical-technology-lab/
	CRE and Thermodynamics Lab.	http://ct.sliet.ac.in/laboratories/cre-and-thermodynamics-lab/
	Energy Technology Lab	http://ct.sliet.ac.in/laboratories/energy-technology-lab/
	Environmental Engg. Lab/Research Lab-II	http://ct.sliet.ac.in/laboratories/environmental-engg-lab-research-lab-ii/
	Fluid & Particle Mechanics Lab	http://ct.sliet.ac.in/laboratories/fluid-particle-mechanics-lab/
	Heat and Mass Transfer Lab.	http://ct.sliet.ac.in/laboratories/heat-and-mass-transfer-lab/
	Paper Technology Lab	http://ct.sliet.ac.in/laboratories/paper-technology-lab/
	Polymer Processing Lab.	http://ct.sliet.ac.in/laboratories/polymer-processing-lab/
	Polymer Testing Lab	http://ct.sliet.ac.in/laboratories/polymer-testing-lab/
	Process Dynamics and Control Lab.	http://ct.sliet.ac.in/laboratories/process-dynamics-and-control-lab/
	Research Lab-I	http://ct.sliet.ac.in/laboratories/research-lab-i/
	Research Lab-III	http://ct.sliet.ac.in/laboratories/research-lab-iii-2/
	Research Lab-IV (Pilot Plant)	http://ct.sliet.ac.in/laboratories/research-lab-iv/

Name of Department	Laboratories	The link for additional information
Civil Engineering Department	Building Materials Lab	http://cen.sliet.ac.in/laboratories/
	Surveying- I	http://cen.sliet.ac.in/laboratories/
	Chain surveying:	http://cen.sliet.ac.in/laboratories/
	Compass Surveying:	http://cen.sliet.ac.in/laboratories/
	Levelling:	http://cen.sliet.ac.in/laboratories/
	Plane Table Surveying:	http://cen.sliet.ac.in/laboratories/
	Concrete Technology Lab	http://cen.sliet.ac.in/laboratories/
Name of Department	Laboratories	The link for additional information
Electronics & Communication Department	Advance Communication System Laboratory	http://ece.sliet.ac.in/laboratories/advance-communication-system-laboratory/
	Basic Electronics	http://ece.sliet.ac.in/laboratories/basic-electronics/
	Broadband Photonics Communication Lab	http://ece.sliet.ac.in/laboratories/broadband-and-photonics-communication-lab/
	Computer/PhD. Research Laboratory	http://ece.sliet.ac.in/computer-phd-research-laboratory/
	Digital System Design Laboratory	http://ece.sliet.ac.in/digital-system-design-laboratory/
	Digital Signal Processing Laboratory	http://ece.sliet.ac.in/digital-signal-processing-laboratory/

	Electromagnetic Measurement and Testing Lab	http://ece.sliet.ac.in/laboratories/electromagnetic-measurement-and-testing-lab/
	Microprocessor & Microcontroller Laboratory	http://ece.sliet.ac.in/microprocessor-microcontroller-laboratory/
	Microwave Engineering Laboratory	http://ece.sliet.ac.in/antenna-and-microwave-laboratory/
	Printed Circuit Board Laboratory	http://ece.sliet.ac.in/printed-circuit-board-laboratory/
	Servicing & Maintenance/Industrial Electronics Laboratory	http://ece.sliet.ac.in/servicing-maintenance-industrial-electronics-laboratory/
	Television Engineering Laboratory	http://ece.sliet.ac.in/television-engineering-laboratory/
	U.G. Project Lab	http://ece.sliet.ac.in/project-lab/
	Machine Vision and Motion Control Lab	http://ece.sliet.ac.in/machine-vision-and-motion-control-lab/
Name of Department	Laboratories	The link for additional information
Electrical & Instrumentation Engineering Department	Analytical Lab	http://eie.sliet.ac.in/laboratories/analytical-instrumentation-lab/
	Basic Electrical Engineering Laboratory	http://eie.sliet.ac.in/laboratories/basic-electrical-engineering-lab/
	Biomedical Laboratory	http://eie.sliet.ac.in/laboratories/biomedical-laboratory-e-102/
	Computational Laboratory	http://eie.sliet.ac.in/laboratories/computational-lab/
	Control Engineering Laboratory	http://eie.sliet.ac.in/laboratories/process-control-engineering-lab/

	Data Acquisition and Virtual Instrumentation Laboratory	http://eie.sliet.ac.in/laboratories/virtual-instrumentation-laboratory/
	Digital Electronics Laboratory	http://eie.sliet.ac.in/laboratories/microprocessormicro-cobtroller-lab/
	Digital Signal Processing Laboratory	http://eie.sliet.ac.in/digital-signal-processing-laboratory/
	Electrical Machine Laboratory	http://eie.sliet.ac.in/laboratories/electrical-machine-lab/
	Electrical Workshop	http://eie.sliet.ac.in/laboratories/electrical-workshop/
	Instrumentation Workshop	http://eie.sliet.ac.in/laboratories/instrumentation-workshop/
	Measurement Laboratory	http://eie.sliet.ac.in/measurement-laboratory-2/
	Microprocessor Laboratory	http://eie.sliet.ac.in/microprocessor-laboratory/
	Micro-controller Laboratory	http://eie.sliet.ac.in/micro-controller-laboratory/
	Power System Laboratory	http://eie.sliet.ac.in/measurement-laboratory/
	Power Electronics Laboratory	http://eie.sliet.ac.in/laboratories/power-electronics-lab/
	Process Control Laboratory/ Hydraulic and Pneumatic Laboratory	http://eie.sliet.ac.in/laboratories/process-control-laboratory-hydraulic-and-pneumatic-laboratory-instrumentation-centre/
	Project Laboratory	http://eie.sliet.ac.in/laboratories/project-laboratory/
	Research Laboratory	http://eie.sliet.ac.in/laboratories/research-laboratory/
	Transducer Laboratory	http://eie.sliet.ac.in/transducer-laboratory/

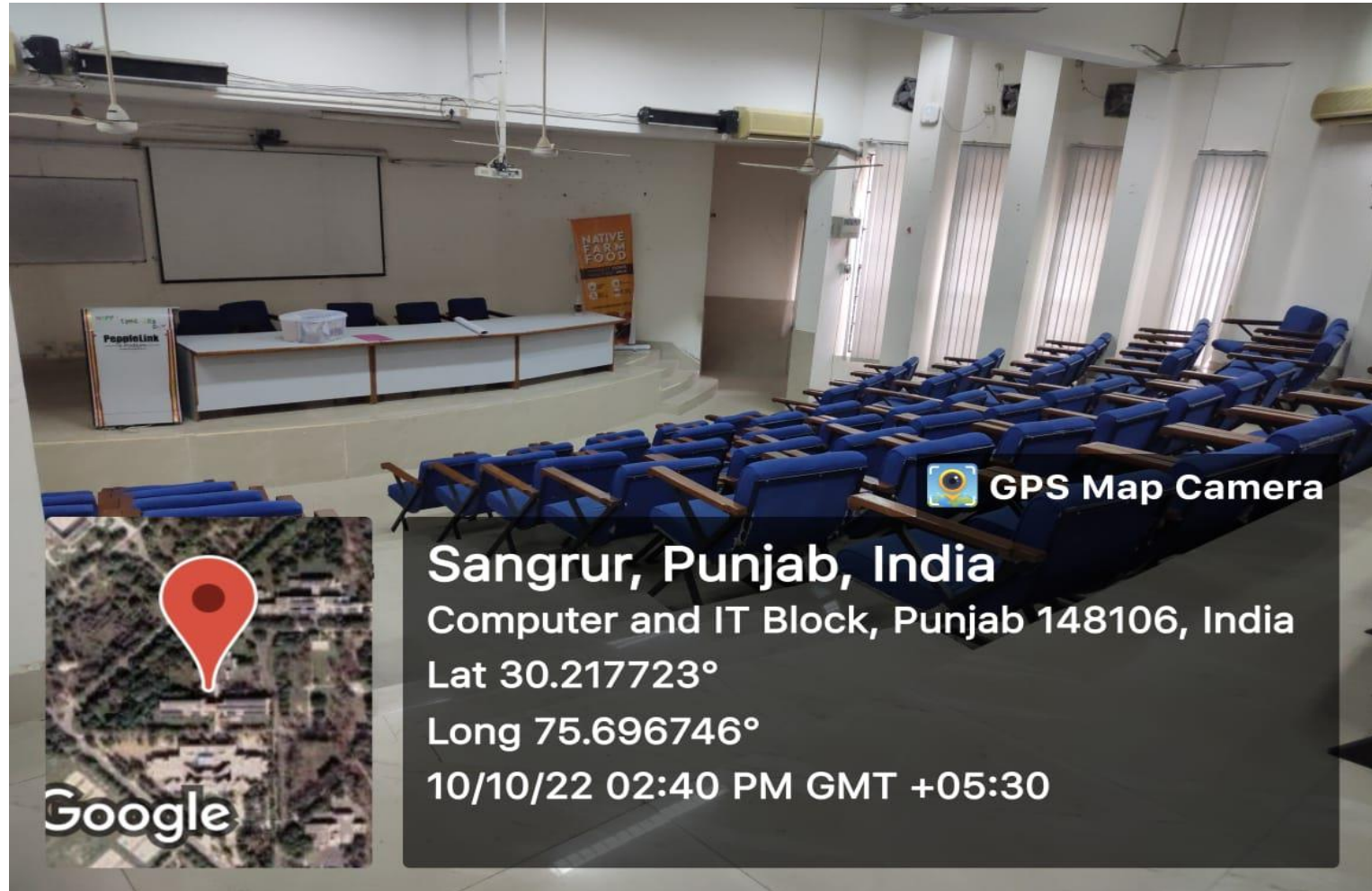
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Food Engineering & Technology Department	Advanced Quality Control Lab	http://fet.sliet.ac.in/laboratories/
	Bakery & Confectionary Lab	http://fet.sliet.ac.in/laboratories/
	Rheology Lab	http://fet.sliet.ac.in/laboratories/
	Food Engineering Lab	http://fet.sliet.ac.in/laboratories/
	Food Biotechnology Lab	http://fet.sliet.ac.in/laboratories/
	Packaging and Storage lab	http://fet.sliet.ac.in/laboratories/
	Quality Control Lab	http://fet.sliet.ac.in/laboratories/
	Unit Operation Lab	http://fet.sliet.ac.in/laboratories/
	Fruits & Vegetable Lab	http://fet.sliet.ac.in/laboratories/
	Dairy Technology Lab	http://fet.sliet.ac.in/laboratories/
	Pilot Plant	http://fet.sliet.ac.in/laboratories/
Name of Department	Laboratories	The link for additional information
Mechanical Department	Advance Casting Lab	http://mech.sliet.ac.in/advance-casting-lab/
	Advance Machine Lab	http://mech.sliet.ac.in/advance-machining-lab/
	Advance Welding Lab	http://mech.sliet.ac.in/advance-welding-lab/

	Additive Manufacturing Lab	http://mech.sliet.ac.in/additive-manufacturing-lab/
	Auto Farming & Automobile Lab	http://mech.sliet.ac.in/auto-farming-automobile-lab/
	CAD/CAM Lab	http://mech.sliet.ac.in/laboratories/cadcam-lab/
	Computing Facility	http://mech.sliet.ac.in/central-computing-facility-lab/
	Fluid Mechanics Lab	http://mech.sliet.ac.in/fluid-mechanics-lab/
	Industrial Engineering and Maintenance Lab	http://mech.sliet.ac.in/laboratories/industrial-engineering-and-maintenance-lab/
	Precision Metrology & Measurement Lab	http://mech.sliet.ac.in/laboratories/precision-metrology-measurement-lab/
	Simulation-1, Industrial Automation and Techtronic Lab	http://mech.sliet.ac.in/simulation-1-industrial-automation-and-mechatronic-lab/
	Simulation and Project-2, Material Testing, Characterisation & Research Lab	http://mech.sliet.ac.in/laboratories/simulation-and-project-2-material-testing-characterisation-research-lab/
	SOM Lab	http://mech.sliet.ac.in/laboratories/som-lab/
	Student Project & Innovation Lab	http://mech.sliet.ac.in/student-project-innovation-lab/
	I.C. Engine & Thermal Engg. Lab	http://mech.sliet.ac.in/laboratories/i-c-engine-lab-thermal-engg-lab/
	TOM/Mechanics Lab	http://mech.sliet.ac.in/laboratories/tom-mechanics-lab/
	Virtual Laboratory	http://mech.sliet.ac.in/virtual-laboratory/
	Welding Metallurgy Lab	http://mech.sliet.ac.in/laboratories/welding-metallurgy-lab/

Name of Department	Laboratories	The link for additional information
Chemistry Department	Chemistry Lab-I	http://chm.sliet.ac.in/laboratories/
	Chemistry Lab-II	http://chm.sliet.ac.in/laboratories/
	Chemistry Lab-III	http://chm.sliet.ac.in/laboratories/
	Research Laboratory-I	http://chm.sliet.ac.in/laboratories/
	Research Laboratory-II	http://chm.sliet.ac.in/laboratories/
Name of Department	Laboratories	The link for additional information
Mathematics Department	Numerical Methods & Computational Lab	http://maths.sliet.ac.in/laboratory/numerical-methods-computational-laboratory/
Name of Department	Laboratories	The link for additional information
Physics Department	Well-equipped ICD Labs	http://phy.sliet.ac.in/laboratories/
	Diploma Lab	http://phy.sliet.ac.in/laboratories/
	Applied Physics Lab	http://phy.sliet.ac.in/laboratories/
	Physics of Material Lab	http://phy.sliet.ac.in/laboratories/
	M.Sc. Physics Lab	http://phy.sliet.ac.in/laboratories/
	Computational Physics Lab	http://phy.sliet.ac.in/laboratories/
	Dark Room (For Optics experiment)	http://phy.sliet.ac.in/laboratories/

	Research Lab-I (Material Synthesis Lab.)	http://phy.sliet.ac.in/laboratories/
	Research Lab-I (Material Synthesis Lab.)	http://phy.sliet.ac.in/laboratories/
	Research Lab-II (Radiation and Nuclear Physics Lab.)	http://phy.sliet.ac.in/laboratories/
	Research Lab-III (EM-Wave Interaction Lab.)	http://phy.sliet.ac.in/laboratories/
	Computational Material Science Lab	http://phy.sliet.ac.in/laboratories/

MINI AUDITORIUM (CSE DEPTT.)



SEMINAR HALL (FET & MECH BLOCK)

