



ANSHUMAT

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SANT LONGOWAL INSTITUTE OF
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(Deemed to be a university, Established by Ministry of Human Resources, Govt. of India)

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Institute Activities

Director, SLIET attended the Conference of VCs/Directors

Director, SLIET Dr. Shailendra Jain attended the Conference of VCs/Directors for implementation of National Schemes held on 16/09/2019 under the Chairmanship of Hon'ble Governor of Punjab at Chandigarh. The institute took an opportunity to present the activities undertaken by the institute during

last one year, with few important institutes of the Punjab State, which were appreciated by all. Still there exists huge potential to motivate the youth/budding technocrats towards our social responsibilities, through Institute Faculty & Staff to promote Flagship programmes of Government.



**लाइफ
मंत्रा**

शिक्षा की जरूरत

जीवन सफल बनाने के लिए शिक्षा जरूरी है, डिग्री नहीं। हमारी डिग्री है हमारा सेवा भाव, हमारी नम्रता, जीवन की सरलता। इसके बिना कागज की डिग्री व्यर्थ है।

-प्रेमचंद

विनय का महत्व

जिस प्रकार बिना जल के धान नहीं उगता, बिल्कुल उसी प्रकार बिना विनय के प्राप्त की गई विद्या भी फलदायी नहीं होती।

-भगवान महावीर

प्रेक्टिस, कड़ी मेहनत और धैर्य ही आपके सबसे बड़े टैलेंट हैं।

-अभिनव बिंद्रा

संत लौंगोवाल अभियांत्रिकी एवम् प्रौद्योगिकी संस्थान लौंगोवाल



Some of the activities to be considered for future planning:

1. Implementation of two-credit course to students.
2. Awareness programme on digital initiatives such as promotion of BHIM, Digi Locker, UMANG, Cashless transactions etc.
3. Career Counselling, awareness about scientific and engineering facts to school students of adopted villages.
4. Awareness about cleanliness, social evils, water & energy conservation, stone/wall painting etc.
5. Provision of sports/fitness and awareness about "Fit India Movement".
6. Conduction of training programmes for mess, horticulture, sanitation work etc.
7. Precision agriculture and organic farming.

Central Computing Facility In Mechanical Engineering Block Inaugurated By Shri Jagdish Rai Singal, Honorable Chairman, Board Of Management, SLIET

The Central Computing Facility in Mechanical Engineering block was inaugurated by honourable Shri Jagdish Rai Singal, Chairman, Board of Management, SLIET Longowal on 30th September 2019. Prof. Shailendra Jain, Director, Prof. A.S. Arora, Dean (Academics), Prof. Harish Kumar, Dean (P&D), and

Acting Registrar), Prof. Rajesh Kumar, HoD (Mech. Engg.), Prof. Jagtar Singh, Coordinator TEQIP-III and others dignitaries were present on the occasion. The facility developed under TEQIP-III has 108 computing systems.



Chairman BOM SLIET inaugurated the WAR ROOM

Honourable Chairman BOM SLIET Sh. Jagdish Rai Singal inaugurated the WAR ROOM dated on 30th September 2019 and interacted with the team. To focus on outcome based education and NIRF ranking in SLIET the institute has initiated a new horizon (WAR ROOM CONCEPT) in the institute, which is strengthening the

various areas /activities in the institute under six pillars namely: 1. Branding and Perception, 2. Outreach and inclusivity, 3. Infrastructure creation, 4. Research and Professional Practice, 5. Graduation outcome and 6. Financial Parameters.

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Expert lecture on Fundamentals of IPR and Patent Filing

Dr. Deepa Tikku, Patent Attorney at M/s K & S Partners, Gurgaon, delivered an expert lecture entitled “Fundamentals of IPR and Patent Filing” on 18 Sept., 2019. Faculty and research scholars of the Institute attended it. The invited expert apprised the audience

about the different types of intellectual properties and their significance. She also dwelt upon the IPs that are more relevant to an educational institution. She briefly discussed the aspects that make an invention patentable and the process of obtaining a patent.



Awareness Programme under Unnat Bharat Abhiyan

Unnat Bharat Abhiyan team of SLIET visited to Village JHARON under the aegis of Unnat Bharat Abhiyan a flagship programme of the Ministry of Human Resource Development. The programme is inspired by the vision of transformational change and a step forward towards inclusive India and an endeavour to improve and enrich the lives of Rural India. Dr Pardeep Kumar Jain along with Madan Mohan Kumar and other social workers of Longowal Village visited the village on 4th July, 2019. Jharon Village is one of the seven adopted villages by the Institute. The Programme was organised by the

Ashirwad Day Boarding School Management in the school Premises. Approximately 100 students attended the programme which lasted for two hours. The students were apprised of their rights and duties towards the nation. Also they were made aware of the various Govt's policies of Social Welfare. Various career opportunities and advantages of being an Entrepreneur were also discussed. The students were extremely motivated. Students were also given various tips of life skills. It has been decided to cover all the seven villages where such programmes will be organised.

Induction Program 2019-20

To introduce the newly admitted 2019 batch with SLIET fraternity, the Orientation Programme was organised at the institute premises during 11th -24th July 2019. The 15 day event was lined up with the diversity of lectures, performances and presentations conducted along its way.

The event started with the major object of the programme, i.e to make the students aware about the academic journey by Dean Acad. Prof. Ajat Shatru Arora, of which they are going to be a part for the upcoming years. The students were introduced with the counselling system by Chief Counsellor, Prof. M.M.

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Sinha. The students were introduced to their class counsellor by Course Counsellor. The departmental visits were managed by concerned class counsellor to familiar the students with the campus life. In evening session, Prof. Shailendra Jain, Director SLIET, Longowal, inspired the new-comers to make the best of the new beginning in their lives with dedication and hard work. He motivated the student to follow healthy lifestyle and overall personality development and also encouraged students to become reliable citizen.

Embracing the roots of our praising the environment, the third day event started with a vibrant morning with tree plantation in hostel premises. In evening the students visit was arranged to nearby village, Longowal.

On 15/7/19 Prof. D.C. Saxena, Dean Student Welfare and Dr. Surita Maini, Chief Warden, Girls Hostel briefed the gathering about the hostel system and do and don'ts in the institute and ensured that they don't feel away from home. Prof. Guha, Chairman Sports introduced students with variety of sports and other curricular activities provided by the institution, followed by the visits to various sports facilities and sports ground.

A motivational lecture was organized under Student Induction program on 16th July, 2019. The key note speaker Sh. Vivek Atray was an Indian author, TEDx speaker and ex- Indian Administrative Service officer. He interacted with students and told them the benefits of keeping calm and positive in life. He motivated students to follow his/her passion and creative interests. In the presence of Prof. D. C. Saxena Prof., the students were familiarised with supporting departments of SLIET. In evening special Bhangra classes were arranged for newly admitted students in which students participated enthusiastically.

As a confidence building measure and to integrate the young students and girls in society to fight against atrocities with unity, Workshop on self Defence for Girls and Boys SLIET has organised on 17th July 2019. The workshop was organised in collaboration with Dr. Sandeep Kumar Garg, IPS, SSP Sangrur. The training

was imparted for five police official. They taught the students various techniques of self defence by hand on experience. Almost one hundred and seventy five students participated with full vigour and zeal and took advantage of this training.

On 18th July Prof. S. S. Verma, Chairman Mentor Mentee Scheme, introduced the freshers with Student Mentorship Program which aims at building community shaped for the welfare of freshers. Later students were introduced to anti ragging, Security of college and different clubs viz.: NSS, Happy Club, Persona and SLIT Electoral club by their respective Faculty incharges.

On 19th students were introduced to all literary clubs, Library, student activity and health centre, cultural committee, Spic Macay, SLIET art and decoration society with interactive presentations. On 20th students cared for their plants planted by them and a tour to Gurudwara Mastuana Shaib.

On 22nd students were familiarised with SLIET robotics and automation society, Science club, SVIESA club, SLIET software and development club, SAE India Collegiate club, Endeavour society, ISTE chapter, and IEI followed by another bhangra session for students.

A general aptitude test was conducted on 23rd to make them aware about the current and important events in the country, followed by interaction of professional counsellor Dr. Dhawal Modi, CEO of Round Glass. Cultural Auditions were made by Chairman Cultural Committee, Dr. Damanjeet Singh.

On the final day, the students were again introduced with the counselling system by Chief Counsellor, and hostel system. In the evening freshly admitted students presented a vibrant cultural evening, which gripped the attention with their breath-taking performances.

Through 15 day induction program, the students were made to realise their inner potentials and transform knowledge into achievements. The students are motivated to create a better future, nurture their potentials, develop a mind-set and deliver the best for the society.



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Hindustani Shehnai Vaadan under SPICMACAY

Sant Longowal Institute of Engineering and Technology, Deemed to be University, Longowal, Sangrur Punjab, hosted a Shehnai Vaadan event under Spic Macay by Sanjeev & Ashwani Shankar on 6th August, 2019. Artists born in a family of musicians of Banaras gharana in which Shehnai & flute are played for the last 450 years and over. Sanjeev & Ashwani Shankar was accorded a traditional welcome and the programme commenced with the lighting of the ceremonial lamp by Director Prof. Shailender Jain, Dean (SW) Prof. D. C. Saxena, Dean (Acad) and Prof. A. S. Arora.

Everyone was of a referential listener because the music was smoothing and brought our mind to peaceful

thoughts. Hailed as one of the foremost and serious young musicians in the country today who is carrying the 300 years of old family tradition and the art of Shehnai playing forward to a new level Sanjeev and Ashwani's music represents and unparallel blend of traditional classical music with modern approach.

At the end of the event, both brothers interacted with the students and satiated their queries by sharing interesting facts & valuable inputs. The performers were applauded and a token of gratitude was given to them by the Director. After the performance Dr. Surita Maini paid gratitude to Spic Macay and artists for their delightful performance.



STTP ON "MATERIALS CHARACTERISATION AND ANALYTICAL TECHNIQUES FOR RESEARCH APPLICATION (MCATRA-2019)

Department of Physics, Chemistry and Mechanical Engineering of SLIET Longowal and NIT Uttarakhand is jointly organising one week STTP on "Materials Characterisation and Analytical Techniques for Research Application (MCATRA-2019)" during 1-5 July 2019 at SLIET Longowal. The STTP was sponsored under twinning programme of TEQIP-III of SLIET Longowal and NIT Uttarakhand. Fifty participants from different part of the country have attended this STTP. The organising committee of MCATRA-2019 comprises

of Dr. M MSinha HOD (Physics) and Dr. Rajesh Kumar HOD (ME) as Chairmen, Er. Anil Single AsP (ME) as Coordinator and Dr. Damanjeet Singh HOD (Chy) and Dr. A.S Shahi Prof. (ME) as organising secretaries The participants very much appreciated that all the speakers were knowledgeable and experts in their respective fields. One-day visit of participants to Nanoscale Research Facility (NRF) at IIT Delhi was planned on 3rd July 2019. The participants mentioned that visit to Nanoscale Research facility at IIT Delhi was very

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informative and fruitful for the research purpose. However, many of the participants insisted on more hands on training sessions in the in their feedback. Candidates got exposure to different characterisation techniques after attending this program. One-day visit to Nanoscale Research facility at IIT Delhi was very

helpful to get the demonstration of different state of the art equipment's use for material characterisation these days. A visit to the central facility at SLIET was also arranged, which helped candidates from outside the SLIET to get knowledge about the research activities and opportunities at SLIET.



Motivational Talk By TEDx Speaker Mr. Vivek Atray

A motivational lecture was organized under Student Induction program on 16th July, 2019. The key note speaker Sh. Vivek Atray is an Indian author, TEDx speaker and ex- Indian Administrative Service officer. He is the author of two books titled "Move on Bunny!" and "Dubey Ji Bounces Back" . After working in the civil services for 25 years, he took a voluntary retirement to pursue his passion for speaking and writing as a full-time profession.

Being an engineer himself he made the environment really comfortable for the students. He enlightened the

students about the needs of staying positive and happy in life. He interacted with students and told them the benefits of keeping calm and positive in life. He motivated students to follow his/her passion and creative interests. These creative skills, passion for life and passion for self is what makes the student life a great success. The session was really interactive. The lecture was followed by questions from the students where they asked their queries. Students enjoyed discussing their problems with him and got really motivating solutions.

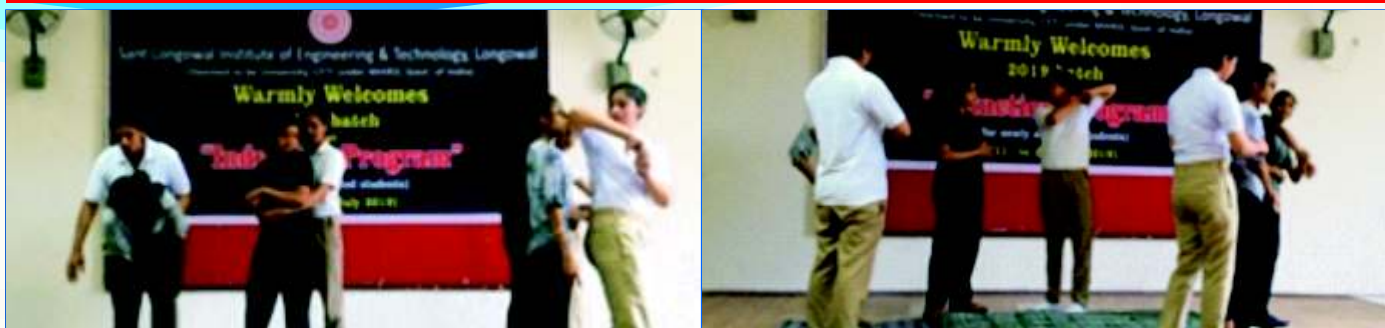


Self Defence Workshop Held for Boys & Girls

As a confidence building measure and to integrate the young students and girls in society to fight against atrocities with unity, SLIET has organised Workshop on Self Defence for Girls and Boys under Student Induction program on 17th July 2019. The primary goal of the Workshop was to expose students to the basics of self-defence and to help students to develop an interest in self-defence and/or martial arts. It has been learned that Self-defence classes have many benefits apart from just safety. They sharpen your reflexes, keep you fit, reduce

stress, raise self-awareness, and also teach you discipline – skills that can help every student to lead a happy and safe life. The workshop was organised in collaboration with Dr. Sandeep Kumar Garg, IPS, SSP Sangrur. The training was imparted for five police official. They taught the students various techniques of Self Defence by hand on experience. Almost one hundred and seventy five students participated with full vigour and zeal and took advantage of this training.

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One-day workshop under Equity Action Plan of TEQIP-III

One-day workshop was organized for female faculty/staff and girl students of the institute on 19.07.2019 under Equity Action Plan of TEQIP-III. Dr. Indraj Singh, Coordinator EAP TEQIP-III and Dr. Payal Malik, Member TEQIP-III organized the activity under Equity action plan of TEQIP-III. 50 girl students and female faculty/staff members attended the said workshop. Dr. Shavinder Kaur, Retd. (Prof.) Govt. Ranbir College Sangrur delivered the expert talk on topic “Economic

Independence and Women Empowerment” and Dr. Kiranjot Kaur Bali, Retd. Civil Surgeon Sangrur delivered the expert talk on topic “Female reproductive health and menstrual hygiene”. Prof. Shailendra Jain, Director SLIET Longowal inaugurated the workshop. Mrs. Shobna Jain, Special invitee was also attending the expert talk.

Prof. Jagtar Singh, Coordinator TEQIP-III, Prof. V.K. Kukreja, Coordinator (Proc.) TEQIP-III and Anil Singla, Nodal Officer (TNA) grace the occasion.



Independent Day celebrated at SLIET with patriotic fervour

73rd Independence Day was celebrated on the campus of Sant Longowal Institute of Engineering and Technology with patriotic fervour and zeal. Prof. Shilendra Jain, Director, SLIET hoisted the National Flag delivered a speech to the SLIET fraternity. Students performed cultural program on the auspicious occasion. NCC Cadets conducted ceremonial parade on Independence Day, after that they were deputed in discipline duty in auditorium. Sweets were distributed to all present.



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Research and Consultancy Achievements

Recently Sanctioned Externally Funded Projects to SLIET faculty are

Sr. No.	Title of Sanctioned Project	Name of Principal Investigator/ Co-PI/Supervisor	Name of Funding Agency	Particulars of Sanction order & Grant
1.	Setting up Secondary Agricultural Entrepreneurial Network in Punjab	PI: Prof. P. S. Panesar of FET Department	Punjab State Council for Science and Technology (PSCST), Chandigarh with the support of Biotechnology Industry Research Assistance Council (BIRAC), DBT- GOI	Ref. No. PSCST/1353 dated: 15/07/2019 for a period of six months. Budget Rs. 1, 80, 000/-
2.	Biorefining of Kinnow mandarin waste for the extraction of bioactive compounds for the development of novel functional foods using green technologies	PI: Prof. P. S. Panesar, FET Department and Co PI: Prof. Harish Chopra of Chemistry Department	CSIR	Sanction No. 38 (1491)/19/EMR-II dated: 31/07/2019 Project budget Rs. 28, 27,000/- Project of 03 years
3.	Grant under Share & Mentor Institutions (Margdarshan) Scheme	Chief Coordinator: Prof. Ajat Shatru Arora of EIE Department Co-investigator - Dr. Surita Maini and Dr. R K Saxena	AICTE	Sanction F. No. 58 14/RIFD/Margdarshan/2019-20 dated: 06/09/2019 for Rs. 25,00,000/- for 3 years
4.	Entrepreneurship Development Programme (DBT Skill Vigyan Programme)	Dr. R.K. Mishra	Ministry of Science and Technology, Department of Biotechnology	Sanction: BT/HRD/01/05/2018 (Ministry of Science and Technology, Department of Biotechnology) for Rs. 94,50,000/-

Two-day expert talk under Equity Action Plan of TEQIP-III

Two-day expert talk was organized for 1st year UG students of the institute on 16.07.2019 & 17.07.2019 in ISTE Hall under Equity Action Plan of TEQIP-III. Dr. Indraj Singh, Coordinator EAP TEQIP-III and Prof. Surita Maini, Nodal Officer (Student Activity) TEQIP-III organized the activity under Equity action plan of TEQIP-III. 75 UG students attended the said workshop. Mr. Vivek Atray, Ex-IAS delivered the expert lecture on

topic "Motivational talk" and Ms. Gurpreet Kaur, S.I. Amargarh, delivered the expert lecture on topic "Self-defense" respectively. Prof. Shailendra Jain, Director SLIET Longowal also attended the event.

Prof. D.C. Saxena, Dean (SW), Prof. Jagtar Singh, Coordinator TEQIP-III, Prof. V.K. Kukreja, Coordinator (Proc.) TEQIP-III and Anil Singla, Nodal Officer (TNA) grace the occasion.



Department Activities

DEPARTMENT OF MANAGEMENT AND HUMANITIES

Plantation Drive by Department Of Management and Humanities

Faculty and staff of Department Of Management and Humanities carried out tree plantation drive keeping in view the MHRD campaign of "One student ,One tree" on 8th August, 2019. Head of the department Prof.

Parveen Kaur Khanna along with Dr. Sanjeev Kumar Garg, Dr. Mandeep Ghai, Ms. Vibha and Sh. Gurnam Singh planted trees in the campus near Mechanical Block along with students of MBA .



One day conference on Organic Farming

One day conference on Organic Farming titled "Path of Sustainable Development and Food Security" was organised by the Department of Management and Humanities on 16.07.2019. Prof. Pardeep Kumar Jain, Prof. Parveen Kaur Khanna and Prof. JapPreet Kaur Bhangu were the Co-ordinators of the conference. The event was organised under Idea Generation, Evaluation and Action Plan for Institutional development.

Sh. Mohan Singh Ahluwalia, Former State Commissioner Disabilities, Government of Haryana was the Guest of honour on this occasion. Many other dignitaries and Progressive Farmers involved and Propagating organic farming shared their valuable experiences. Prof.

Shailendra Jain, Chief Guest of the conference also highlighted the importance and sustainability of organic farming in the context of increasing use of pesticides and their harmful effects on health of the individuals One day conference on Organic Farming titled "Path of Sustainable Development and Food Security" was organised by the Department of Management and Humanities on 16.07.2019. Prof. Pardeep Kumar Jain, Prof. Parveen Kaur Khanna and Prof. JapPreet Kaur Bhangu were the Co-ordinators of the conference. The event was organised under Idea Generation, Evaluation and Action Plan for Institutional development.



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Workshop On Opportunities In Canada

One day work shop on “ Opportunities and Challenges in Canada” for students was organised by the Department of Management and Humanities on 16.07.2019. Prof Parveen Kaur Gill and Prof. Kalpana Pareek from Humber College, Toronto provided the information on the various education avenues for students in Canada. Prof. Pushpinder Singh Gill,

Professor in Business Management from Punjabi University Patiala also shared his views on the grit and hard work students require to be successful in their careers. Prof. Pardeep Kumar Jain and Prof. Parveen Kaur Khanna were the Co-ordinators of the workshop. Prof. Shailendra Jain, Director, SLIET, graced the occasion as Chief Guest of the workshop.



Workshop on Entrepreneurship

A Workshop on Entrepreneurship was organised on 2-3 August 2019 under TEQIP in the interest of the students, with the following objectives:

- to promote entrepreneurship among the students
- to encourage them to build a business idea and develop it

A students' team actively engaged itself in the activity in order to make arrangements and publicize the event. A notice to this effect was also displayed on all the notice boards. On the first day of the workshop on 2nd August 2019 Shri Vijay Arora, DGM, NITCON Limited, Chandigarh held an interactive session with the students on developing small business ideas and taking them to

larger heights. Dr P.K. Dhiman interacted with students on Entrepreneurship. Around 65 students attended the session. On the second day of the workshop on 3rd of August 2019 Shri Balbir Singh, Advisor, Regional Centre for Entrepreneurship held an interactive session with the students and urged them to take up entrepreneurship rather than focusing on jobs. Dr Sanjeev Bansal discussed with students on start ups. Prof Shailendra Jain, Director SLIET blessed the students with his benign presence while exhorting them to become entrepreneurs. Around 75 students attended the session.

Workshop On Happiness And Wellbeing

The three day workshop on Happiness and well being was held in the department from 5th August to 7th August, 2019 by department of Management and Humanities for students of Sant Longowal Institute of

Engineering and Technology. Prof. Pardeep Kumar Jain, Prof. Parveen Kaur Khanna, Prof. Manoj Sachan and Mr. O.P Setia interacted with the students and conducted a happiness sessions for them.

Every Interaction is an opportunity to learn, only if we are interested in "Improving" rather than "Proving"

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Training Program on "Office Automation and System Management"

A training program "Office Automation and system management " (OASM-2019) was organized from June 10th-14th 2019 for non-teaching staff by the Department of Computer Science & Engineering. Er. Rahul Gautam (Asst. Professor) and Er. Jaspal Singh

(Asst. Professor) were the coordinators of the program. There were 23 participants in the training program from different departments/Sections of the institute. Certificate distribution ceremony was organized on July 18th, 2019.



DEPARTMENT OF TRAINING AND PLACEMENT ACTIVITIES

In-house industrial training program

On Successful conduct of In-house industrial training program conducted by team Truneek during 23-05-2019 to 05-07-2019. On the occasion as Valedictory Ceremony Prof. (Dr.) Shailendra Jain, Director, SLIET, Prof. (Dr.) A.S. Arora, Dean (Academics), Prof. (Dr.)

R.K. Mishra, Head (T&P) alongwith concerned Head of departments distributed certificates to the successful students. Following few pictures witnessing the moments.



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Campus Placements At Sliet

The department of training and placement had successfully conducted the hiring process of following Day-I Sharing Corporates.

- ISGEC HEAVY ENGINEERING LTD.
- CAPGEMINI TECHNOLOGY SERVICES INDIA LIMITED
- TATA CONSULTANCY SERVICES (through online mode)
- HINDUSTAN UNILEVER LIMITED

• INFOSYS LIMITED

Good number of our students got placed in the above-mentioned companies. Head (T&P) expressed his thanks to all concerned especially Training and Placement Officers, Faculty Placement Coordinators, Student Placement Representatives & staff deputed during hiring process. Following few pictures witnessing the moments.



Thanks to Our Recruiters ISGEC



Students Placed In Capgemini Technology Services India Limited

Campus to Corporate-2019 (C2C)

The department of Training and Placement believe that one of the important source of knowledge is Experience. Keeping this in mind to strengthen the training and placement activities of the institute, first time the department of training and placement had conducted the Campus to Corporate-2019 (C2C) activities. In this C2C program about 25 corporates experts from following industries have participated:

- Federal Mogul, Patiala
- Creative Vision, Noida
- Vista Processed foods Pvt. Ltd
- Trident Group, Barnala
- Mahindra & Mahindra
- Infogain India Pvt. Ltd.
- Satyam Auto Components Ltd., Ludhiana

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- ARCON Engg
- Swaraj Division, Mahindra & Mahindra
- My Career, Bathinda

The valedictory ceremony was conducted on 31st August 2019, where Prof. (Dr.) M.K. Jha, Director,

ABVGIET, Pragatinagar (Gumma), Kotkhai, Shimla (HP) have preside over the function as Chief Guest of the event alongwith Director SLIET, Dean (Academics) & Head(T&P). Following few pictures witnessing the moments.



Workshop on “MATLAB and Simulink for Process Engineers”

A workshop on MATLAB and Simulink for process engineers (25- 26 April 2019) organized by Chemical engineering department of Sant Longowal Institute of Engineering and Technology and sponsored by TEQIP-III. The coordinators of the conference were Dr. Nikhil Prakash, AP & Dr. Amit Rai, AP of the Chemical Engg Deptt.

A total no. of 152 participants from different departments of SLIET attended the workshop. Dr Nikhil Prakash & Dr Amit Rai from SLIET Longowal and Dr

Pratik N. Sheth & Dr Amit Jain from BITS Pilani (Rajasthan) were the expert resource persons of the workshop.

Prof. J. S. Dillon, Director in-charge SLIET was the chief guest and Prof. A. S. Arora, Dean (Academics), was the Guest of honour of the occasion. Prof. P K Singh, Dean (R&C), Dr Avinash Thakur, HOD (Chemical Engineering, faculty members and staff of Chemical Engineering Department were also present during the valedictory function of the workshop.



DEPARTMENT OF ELECTRICAL & INSTRUMENTATION ENGINEERING

Expert Talk on OBE by Prof. N. C. Shivprakash, Indian Institute of Science, Bangalore



The one day workshop on OBE (outcome Based Education) was organized by Department of Electrical & Instrumentation Engineering on 3rd August, 2019 in Smart Room E-329. Prof. N.C. Shivaprakash, Chief Research Scientist, IISc, Bangalore conducted two sessions for the faculty of the institute. He emphasized that the OBE is student centric teaching and learning methodology in which the course delivery and assessment are planned to achieve stated objectives and outcomes despite colander defined constraints and attendance regulations.

The Director SLIET desired to practice of OBE in true sprit at SLIET. The faculty members of various department of SLIET attended the workshop and the delivery contents were appreciated by all.

संत लौंगोवाल अभियांत्रिकी एवम् प्रौद्योगिकी संस्थान लौंगोवाल



The IEI- SLIET Students' Chapter (Diploma)

The Institution of Engineers (India)- SLIET Diploma chapter organized the following events to promote a co-curriculum activity for ICD students.

S.No.	Name of Events Organised	Dated
1.	Technical Quiz	19-08-2019
2.	Cultural Event	05-09-2019
3.	Cross The Hurdles Event	21-09-2019
4.	Annual General Meeting (AGM) of Chapter	21-09-2019

In the first event 400 students participated in the Technical Quiz. The winner were presented awards.

In the cultural event Dr. A. S. Arora, Dean (Academic) motivated the students and distributed the certificates to the participants and winner students in association with Rakesh Kumar, Faculty Advisor, IEI (India) and Dr. Rajesh Kumar, HOD(ME).

The cross the hurdles event was organized to evaluate

the performance of students. The winners were presented awards.

In the AGM more then 75 students participated and discussed the roles of Institution of Engineers (India) chapter in the personal growth of engineering students and sharing information to members about the previous and future activities to be performed under the chapter.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

TEQIP-III Sponsored Two Day Workshop

Department of Electronics and Communication Engineering, organized a TEQIP-III sponsored two day workshop on "Low Frequency (LF) and High Frequency (HF) Design using Tarang: 19" at SLIET Longowal, during 5-6 October 2019, for the undergraduate students of the institute. The event was coordinated by Er. Kuldeep Singh and Er. Vivek Harshey, under the guidance of Prof. J.S. Ubhi. Er. Swapnil Narhari Gaul, Founder and Director, NUMEREGION, was the resource person for the workshop. Around 40 students participated in the

workshop. First day of the workshop covered the insight on circuit simulations, whereas on the second day, need of 3D software for the design of electronics systems, problem of signal crosstalk, issues of electromagnetic interference/electromagnetic compatibility, modeling and simulation of Antenna and need of S parameters analysis at higher frequency was discussed. Valedictory ceremony was graced by Prof. DC Saxena, Dean (SW), SLIET, Longowal.



DEPARTMENT OF MECHANICAL ENGINEERING

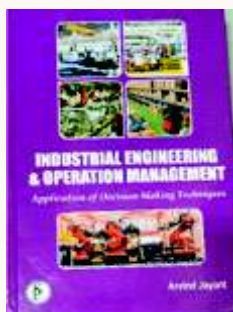
1. Department of Mechanical Engineering, Physics and Chemistry of Sant Longowal Institute of Engineering and Technology in collaboration with NIT Uttarakhand has organized TEQIP-III sponsored One week Short term training programme (STTP) on "Material Characterization & Analytical Techniques for Research Applications (MCATRA-2019) during 1-5 July, 2019 at Sant Longowal Institute of Engineering and Technology, Longowal (Punjab).
2. An expert lecture on "Computational Fluid Dynamics" was delivered by Dr. Arun K. Saha, Department of Mechanical Engineering, IIT Kanpur on 17th July 2019.
3. The SLIET team 'JUNKYARD WARRIORS' participated in the Virtual Baja SAE India at Chitkara University, Chandigarh during 12th – 13th July 2019. Around 281 teams participated from across the nation including IITs, NITs and other premier institutes, to qualify for the main events. The SLIET team has been shortlisted and qualified for main Baja (mBAJA) to be held in 2020.
4. The Institution of Engineers (India)- SLIET Diploma chapter had organized Technical Quiz, Cultural Event, and Cross The Hurdles Event to promote a co-curriculum activity for ICD students during 19 August 2019 to 21 September 2019. The Annual

General Meeting (AGM) of Chapter was held on 21 September 2019.

In the cultural event Dr. A. S. Arora, Dean (Academic) motivated the students and distributed the certificates to the participants and winner students in association with Rakesh Kumar, Faculty Advisor, IEI (India) and Dr. Rajesh Kumar, HOD (ME).

5. SLIET Mechanical Engineering Society has organized a Departmental Quiz on 27th August 2019 for ICD and B. Tech students of all branches.
6. As per information received from Department of Training and Placement, around 80% of eligible and interested students of Mechanical Engineering Department were placed in various industries like Hindustan Unilever Limited, Gurugram, Infosys Limited, Byju's, Godrej and Boyce Mfg. Co. Ltd, Mumbai, Welspun Corp. Ltd, Torrent group, Vardhman Group, Mahindra and Mahindra Ltd., Jindal steel and Power Ltd., Eastman Cast and Forge Ltd, Ludhiana, Sattyam Auto, Ludhiana etc. in the year 2018-19. The median salary package of 4 lac and highest salary package of 10.5 lac per annum was offered to the students.

Faculty & Staff Achievements



• Dr. Arvind Jayant, Associate Professor of Mechanical Engineering Department has been selected as Evaluator (EVAL02454) for assessing proposals under AQIS schemes of AICTE (2019-2020).

• Dr. Arvind Jayant has published a book titled "Industrial Engineering & Operation Management". The book will be used as a reference for

undergraduate or graduate level courses in engineering, mathematics, economics, management, business, statistics, or industrial engineering. There is no pre-course required to start reading the book, except a basic and elementary knowledge of mathematics and computer.

• Paper published in International Journal of Science of Food and Agriculture, Sakshi Sukhija, Sukhcharn Singh, Charanjit S Riar (2019). Development and

characterization of biodegradable films from whey protein concentrate, psyllium husk and oxidized, cross-linked, dual modified lotus rhizome starch composite, Scopus, Volume 99, Issue 7, May 2019, Pages 3398-3409 (Impact factor: 2.422)

• Paper published in International Journal of Food Chemistry, Farhan Mohiuddin Bhat, Charanjit Singh Riar (2019). Effect of composition, granular morphology and crystalline structure on the pasting, textural, thermal and sensory characteristics of traditional rice cultivars, Volume 280, 15 May 2019, Pages 303-309 (Impact factor: 5.488)

• Paper published in International Journal of Food hydrocolloids, Nisar A. Mir, Charanjit S. Riar, Sukhcharn Singh (2019). Physicochemical, molecular and thermal properties of high-intensity ultrasound (HIUS) treated protein isolates from album (Chenopodium album) seed, 96, 433-441 (Impact factor: 5.839)

'JUNKYARD WARRIORS' Qualified For Main Baja

The SLIET team 'JUNKYARD WARRIORS' participated in the Virtual Baja SAE India at Chitkara University, Chandigarh during 12th – 13th July 2019. Around 281 teams participated from across the nation including IITs, NITs and other premier institutes, to qualify for the main events. The SLIET team has been shortlisted and

• Three NCC second year cadets; Harish Bhatti (PBI8SDA193953), Ramanpreet Kaur (PBI8SWA 193980), and Parshotam Singh (PBI 8SDA193951) have attended the ATC-II 14 held at ASRA Group of Institution, Patiala from 12th June to 21st June, 2019.

qualified for main Baja (mBAJA) to be held in 2020. Dr. Shankar Singh, Prof. (Mechanical Engineering), Prof. Rajesh Kumar (HOD, Mech. Engg.) and Prof. Shailendra Jain, Director, SLIET congratulated the students of 'JUNKYARD WARRIORS' on this achievement.

• NCC farewell party was organized by SLIET NCC cadets on 1st May, 2019 in evening time, for passing out batch 2019. Honorable Director Dr. Shailendra Jain, Dean SW, CSO Col. (Retd) Mahesh Arora, ANO Lt Vinod Kumar Meena have attended the event.

सुविचार

आप अपने काम की जिम्मेदारी लेने को जितने तैयार रहते हैं, उतने ही विश्वसनीय बनते हैं।

जिसके पास सेहत है उसके पास उम्मीद है, और जिसके पास उम्मीद है उसके पास सब कुछ है।

हर प्रयत्न में सफलता शायद न मिल पाए, लेकिन हर सफलता का कारण प्रयत्न ही होता है!!

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